

 **HAYWARD**<sup>®</sup>  
We Build Better.

July 2025 Buyer's  
Guide & Parts List  
Featuring Expert Line<sup>®</sup> Products



 **HAYWARD**<sup>®</sup> | **100** ←

S I N C E 1 9 2 5

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Effective January 1st, 2025

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SINCE 1925



**CELEBRATING**  
**A CENTURY.**



With the pool as the centerpiece of the rapidly growing Outdoor Living market, Hayward is prioritizing innovation, efficiency and comfort. We build better so that you can backyard better. Everything we do is guided by our mission to deliver exceptional products, outstanding service, and innovative technology to transform the experience of water.

This year we proudly celebrate our 100-year anniversary. A momentous and rare milestone, we want to take the opportunity to review our past to better inform our future.

Most recently:

- » We engineered more products with category-leading efficiency, including our No.1 rated ultra-high efficiency pumps, and our unbelievably efficient HeatPro® VS.
- » We invested in our proprietary Omni® connected automation and control technologies, giving end users greater flexibility when they build and update their outdoor living spaces.
- » We added a new suite of stunning lighting and water features and improved engineering across our suite of equipment to run more quietly.
- » We expanded our reach beyond the backyard, with our Commercial Aquatics division offering its most versatile and efficient lineup of products yet.

We are helping pool owners spend less time worrying about maintenance and energy bills, and more time enjoying their outdoor oasis. From creating energy-efficient, environmentally sustainable products to advocating for pool safety, we are proud to be a global company that is driving meaningful impact. We look forward to the next 100 years and are committed to building better—one backyard at a time.



## BETTER THAN EVER [CA.HAYWARD.COM](https://www.ca.hayward.com)

Explore our cutting-edge products, informative articles, and helpful resources—all in one place. Scan the QR code or visit [www.ca.hayward.com](https://www.ca.hayward.com) now and experience the Hayward difference firsthand.

EXPERT LINE\*



NOT SOLD ONLINE



3+ YEAR PARTS WARRANTIES\*

\*When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply—visit [hayward.com](https://www.hayward.com) for details.

# 2025 NEW PRODUCTS

Featuring Expert Line®

# PERFECT DEGREE OF COMFORT.

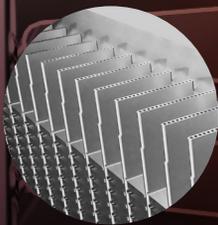
## HEATPRO® MCHX SERIES: HEAT AND HEAT+CHILL PUMPS

Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature.

If you are looking to warm your water to extend swim season, cool your water in warm or arid climate conditions, or chill your water down to 40°F for a cold plunge, we have the ideal lineup including three heat only options and three heat+chill options.

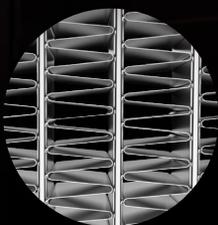


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to learn more about  
Better Heating



### **BEST-IN-CLASS CORROSION RESISTANCE.**

TCP coating developed by Naval Air Command for durability in the harshest climates.



### **ROBUST COIL STRUCTURE.**

Protects against fin damage during installation and outdoor impacts.



### **CHILLS DOWN TO 40°F FOR COLD PLUNGES**

Chills to low temperatures so you can get all the benefits out of your next cold plunge.\*



### **COOLS FOR PERFECT TEMPERATURE**

Ideal for warm or desert climates with 30% increased cooling capacity compared to competitive technology.\*



### **WARMS TO EXTEND SWIM SEASON**

Extend swim season with improved heating capacity below 50°F using our patent pending defrost algorithm.

\*Only available on Heat+Chill models.

# UNWIND BETTER.

Scan the QR code  
to learn more about  
Better Water Features



## COLORLOGIC® VINYL & FIBERGLASS BUBBLER: BUBBLING WITH FEATURES

ColorLogic Vinyl & Fiberglass Bubbler creates a cascading column of water and ensures the ultimate backyard ambiance when paired with Hayward's ColorLogic lighting. Simple to install with a minimal required foot-print and flush-to-surface design.

- » Compatible with Vinyl and Fiberglass applications.
- » Seamlessly integrates into the pool floor.
- » Multiple nozzles offer easily adjustable water heights and widths.
- » Multiple Color Trim Options Available (White, Light Gray & Dark Gray).



# BETTER AMBIANCE.

## UNIVERSAL COLORLOGIC® 2.0 LED POOL & SPA LIGHTING

Universal ColorLogic LED (UCL) Pool & Spa Lights will transform your pool or spa with vibrant color. These energy-efficient lights retrofit virtually any existing pool and spa. With 10 fixed colors and 7 color-changing light shows, UCL Lights also use up to 86% less energy than incandescent lights and last 10X longer. Our UCL Lights are now easier to install and more reliable than ever!

New pool features include:

- » Detachable cord for ease of service.
- » Adjustable lower catch to overcome variations in plaster depth.
- » Easily adjust to angled niches using the rotatable mounting flange.
- » Stainless steel trim options.



## UNLOCK EVEN MORE FEATURES WITH HAYWARD OMNI.®

With the addition of OmniDirect Mode™, Hayward LED pool bulbs are optimized for use with Omni automation systems, providing more control than ever.



Scan the QR code to learn more about Better Lighting



MAXFLO® VS 500

SUPER PUMP® VS 700

# MEET THE HAYWARD ENERGY STAR® CERTIFIED LINEUP.



**OUR COMPLETE LINEUP OF VARIABLE-SPEED PUMPS WITH ENERGY STAR CERTIFICATION.**

Hayward offers broadest range of energy efficient variable-speed pumps in the industry. On average, ENERGY STAR certified pool pumps are 65% more efficient than conventional models, and can, depending on region, save pool owners several hundreds of dollars in annual operating costs.



TRISTAR® XL

TRISTAR® VS 900 & 950



Programmable to optimize energy efficiency without compromising performance.



Quieter operation, better filtration & lower hydraulic stress on other pool pad products.



Dynamic control of pump speed in harmony with water features can produce dramatic backyard effects adding to the ambiance of the pool & backyard living space.



Complete variable-speed lineup is eligible for local utility rebates through ENERGY STAR's rebate program (where applicable).

Scan the QR code  
to learn more about  
Better Pumps



# UNLOCK OMNI<sup>®</sup> FROM ANYWHERE.

Scan the QR code  
to learn more about  
Hayward ProApp

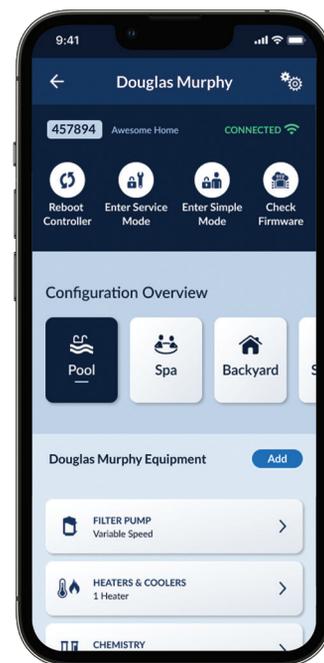


## PROAPP REMOTE CONFIGURATION TOOL

The ProApp is designed for pool professionals to support remote access to Omni systems. Take back hours each week by configuring controls, creating from saved templates and troubleshooting from **ANYWHERE**.

Long gone are the days of standing outside in the blistering heat to setup Omni Controls at a pool pad. The ProApp gives you the freedom to work from your truck, home, or office. Maximize your response time by servicing additional customers or enjoy more moments with your family. The ProApp is here to help you enhance your business!

Mobile phone not included.



# INDUSTRY-FIRST TRUE 3-INCH VALVE.

## 3-WAY, 2-WAY & CHECK VALVES

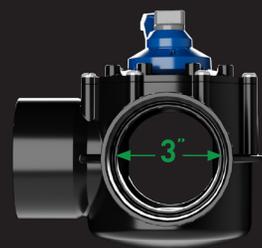
Introducing the ultimate solution for efficient flow control. Engineered to minimize headloss while delivering impressive flow rates of up to 230 gpm, these valves are designed to set new standards in performance and reliability. This family of diverter valves delivers 3-way, 2-way, and check valve options for flexibility across projects.

- » Robust ergonomically-designed handle with adjustable common with clear closed port indication.
- » Eliminating couplings, it reduces cost along with the number of glue joints for less failure points and a cleaner installation overall.
- » All components are made of corrosion resistant materials allowing for proper function over an extended life.



### Industry-first family of 3"

diverter valves to cover all of your needs.



### Lower Headloss

up to 230gpm vs. Jandy at 170gpm\*.



### Industrial, High-Performance Seal

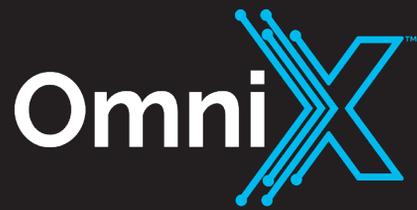
for superior chemical resistance for long-term durability.



### Clear Closed Port Indication

for easy-to-identify flow management.

\*Based on independent third party testing data.



# THE FUTURE OF POOL & SPA **AUTOMATION.**

## HAYWARD® OMNIX PUMPS.

Hayward continues its position as the industry-leader in innovation with the introduction of the Hayward 800, 600, and 400 VS Series pumps with on-board automation using the all new Hayward OmniX mobile app. This lineup is the best drop-in replacement with an elevated experience through improved feature set and usability.



TRISTAR® VS 800



SUPER PUMP VS 600



MAXFLO VS 400

- » Simple and intuitive Bluetooth connectivity for complete control
- » Fully configurable including time-of-day based schedules, true variable speed operation, and water temperature monitoring
- » Control from anywhere when used with the optional OmniX Gateway accessory (sold separately)
- » Backed by Hayward's 3-year warranty\*
- » OmniX equipment ecosystem connects compatible devices seamlessly without a centralized controller
- » Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- » Agency listings include: ENERGY STAR, NSF and UL

Scan the QR code  
to learn more about  
OmniX Pumps



# ONBOARD AUTOMATION FOR WIRELESS CONTROL.



## ADD-ON: OMNIX GATEWAY

The OmniX Gateway gives you the option to take control of your OmniX enabled pool equipment from anywhere. With remote access to the OmniX app, you can easily manage and monitor your system, making it a valuable tool for both pool owners and service professionals.

- » Optional in-home Gateway connects pool equipment to your home network
- » Enables away-from-home control and monitoring
- » Powerful sub-GHz link provides robust connectivity





Scan the QR code  
to learn more about  
Better Commercial



LAMINATED

BOBBIN WOUND

## HCF COMMERCIAL SAND FILTERS: HIGH-PERFORMANCE FILTRATION ENGINEERED TO STAND THE TEST OF TIME.

Built for efficiency and durability, our commercial sand filters are available in two finishes and seven different sizes.

Laminated Sand Filters are available in 30, 34 and 36 inch options and feature UV-protected gel coat. Bobbin Wound Sand Filters are available in 42, 48, 55 and 63 inch options and are manufactured from heavy-duty filament wound fiberglass. Hayward commercial filters are backed by a powerful 5 year warranty.



## INNOVATION MADE EASY.

Hayward Commercial Aquatics offers a full range of industry-leading innovative products designed to work together as one total system to help every commercial pool perform at its absolute best. Our products set the technological standard while providing unmatched performance, efficiency, reliability, versatility and ease of operation.

To see our innovation in action, look no further than the superior energy efficiency of a number of our flagship products that reduces power consumption, extend operational lifespan and delivers significant savings for your commercial operation. Or, consider our leading chemistry control and sanitization systems with intuitive salt and UV secondary and supplemental sanitization solutions that provide optimal water quality and safety for pools of all shapes and sizes—and optimal peace of mind for those who manage them.

Speaking of peace of mind, we know that superior products don't mean much without superior service. Our Commercial Aquatics team is dedicated to providing builders, servicers and designers with the tools and support they need to stay at the forefront of commercial pool technology.

## INDUSTRY'S MOST ADVANCED AUTOMATED WATER QUALITY SOLUTION.

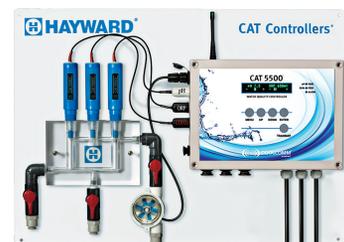
The absolute best water quality solution is the combination of the HydroRite® UV, the Saline C® series salt chlorine generator and the CAT 5500® controller. The combination will not only provide the most efficient, cleanest and safest pool water, it will reduce operational costs and make operating a commercial pool as maintenance free as possible.



HYDRORITE® UV



SALINE C® 6.0



CAT 5500®

# WE MAKE BACKYARDS BETTER.

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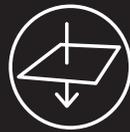
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LITNP25C



# 2025 FINISHED GOODS



# UPCOMING NRCAN REGULATORY CHANGES

## WHAT YOU NEED TO KNOW ABOUT WEIGHTED ENERGY FACTOR (WEF)

### 1. What is Weighted Energy Factor (WEF)?

A: The Weighted Energy Factor (WEF) is a measure of a pool pump's energy efficiency established by Natural Resources Canada (NRCAN). A higher WEF rating means the pump is more energy-efficient.

### 2. Why was WEF created?

A: WEF was introduced as part of broader NRCAN regulations aimed at reducing energy usage. These regulations promote higher efficiency standards, helping consumers save money on energy bills.

### 3. When do the new NRCAN regulations for pool pumps take effect?

A: Starting January 1, 2026, all pool pumps manufactured must meet WEF energy-efficiency standards and be labeled with their WEF rating.

### 4. Who is responsible for ensuring pool pumps comply with the new regulations?

A: Manufacturers are responsible for compliance. After January 1, 2026, they can only produce pool pumps that meet the WEF efficiency and labeling requirements. These pumps will also be subject to third-party testing.

### 5. Which pool pumps are affected by the NRCAN regulatory changes?

A: The changes apply to most dedicated-purpose pool pumps, specifically residential in-ground and above-ground pumps rated over 1 HP and up to 2.5 hydraulic horsepower, manufactured after January 1, 2026.

### 6. How does WEF compare to other energy-efficiency metrics?

A: WEF is similar to other energy-efficiency metrics, such as: Miles Per Gallon (MPG) for cars and Coefficient of Performance (COP) for heat pumps. Just like those metrics, a higher WEF indicates greater efficiency.

### 7. Which manufacturer offers the most NRCAN-compliant pool pump options?

A: Hayward currently offers the broadest range of NRCAN-compliant pool pump models, making it a leading choice for consumers seeking efficient, regulation-ready options.

### 8. What are the potential benefits of switching to a variable-speed (VS) pump?

A: Switching from a single-speed to a Hayward variable-speed pump can result in up to 90% savings in energy costs. You'll reduce your annual energy consumption and lower utility bills.

## NRCAN-COMPLIANT REPLACEMENTS

CATEGORY	PUMP	COMPLIANT SKU	CATEGORY	PUMP	COMPLIANT SKU
Above Ground Pumps	Turbo Flo II	SP5710	In-Ground Pumps (cont.)	OmniX Variable Speed	VSP23415
		SP5715			VSP23420
		SP57152			VSP26615
		SP57152ET			VSP26620
	Ultra-Pro	SP2290			VSP32810
		SP56152			VSP32815
Matrix	SP56152ET	VSP32820			
	Variable Speed	SP2670020VSP	SP2605X7		
SP23520VSP		W3SP2605X7			
SP32900VSP		SP2607X10			
SP32950VSP		W3SP2607X10			
HCP3020VSP		SP2670007X10 (TEFC)			
In-Ground Pumps		In-Ground Pumps (cont.)	Super Pump Single Speed		

# UPCOMING NRCAN REGULATORY CHANGES

## EFFECTIVE JANUARY 1ST, 2026

Natural Resources of Canada (NRCAN) has developed new energy-efficiency standards for pool pumps manufactured on or after January 1<sup>st</sup>, 2026. For more information, visit [ca.hayward.com/regulations](http://ca.hayward.com/regulations). Below is a list of SKUs that will not meet the NRCAN requirements and their recommended replacement. Recommendations are based on the closest match for performance (flow) where possible and may not match exactly.\*

NON NRCAN COMPLIANT PUMPS		NRCAN-COMPLIANT PUMPS		NON NRCAN COMPLIANT PUMPS		NRCAN-COMPLIANT PUMPS	
PUMP NAME	NON-COMPLIANT SKU	COMPLIANT SKU	PUMP NAME	PUMP NAME	NON-COMPLIANT SKU	COMPLIANT SKU	PUMP NAME
Matrix	SP5610	SP56152	PowerFlo Matrix	Super Pump	SP2621X25A	VSP26615	Super Pump VS 615 with OmniX
	SP5610ET						
	SP5615						
	SP5615ET						
Turbo Inj	SP33152B	SP57152	TurboFlo II		W3SP2621X25A		
	SP33152BW						
	SP33152ET						
	SP33152ETB	SP57152ET			W3SP2605X7A		
	SP33152ETBW						
	SP3315B						
Ultra Max	SP2910	SP57152	TurboFlo II		W3SP2607X10A		
	SP2910ET						
	SP2915						
	SP29152ET	SP57152ET			W3SP2605X7A		
	SP2915ET						
	SP29152ET						
Ultra Pro	SP2295	SP56152	PowerFlo Matrix	SP2607X10A			
	SP22952						
	SP22952ET						
Max Flo	SP2810X15A	VSP23420	MaxFlo VS 420 with OmniX	SP2615X20A			
	SP2807X10A						
	SP2805X7A						
Super II	SP3015X20A	VSP32820	TriStar VS 420 with OmniX	SP2610X15A			
	SP3010X15V						
	SP3010X152S						
	SP3007X10V						
	SP3005X7A						
TriStar	SP3230EE	SP32950VSP	TriStar	SP2610X152ET			
	SP3220EE						
	SP3215EE						
	SP3210EE	SP3200X10		SP2610X152S			
	SP3207EE						
	SP3205EE						
	SP3205EE						

\*List subject to change. All models may not be listed.  
For more information, contact your Hayward sales representative.

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# TriStar VS 800 Series OmniX®

FULL VARIABLE SPEED WITH BUILT-IN OMNIX COMPATIBILITY

**EXPERT LINE**

Pumps



TriStar VS 800 Series With OmniX

Experience the future of pool automation with OmniX Pumps. Designed for both new and existing pools, OmniX enables seamless, wireless control of your entire pool pad—one device at a time. With onboard automation and mobile connectivity via Bluetooth, you can manage equipment, schedule operations, and monitor water temperature directly from your smartphone. Add the OmniX Gateway to access your system from anywhere. Featuring an industry-first wireless mesh network, OmniX eliminates the need for control panels, creating a connected, intelligent ecosystem that's simple to install and effortless to use.

## TriStar VS 800 Series Specifications

Model Number	Total H.P.	WEF	Speed Range	Voltage at 60 Hz	Amp Rating	Ctn. Qty.	Ctn. Weight
VSP32810	1.25	9.3/9.3	18-100%	230/115	8.7/15.2	1	39 lbs.
VSP32815	1.85	8.5/8.4	18-100%	230/115	10.9/19.9	1	41.8 lbs.
VSP32820	2.25	7.2/8.7	18-100%	230/115	14.2/19.9	1	42 lbs.

### Applications

- In-ground pools
- In-ground spas

### Features

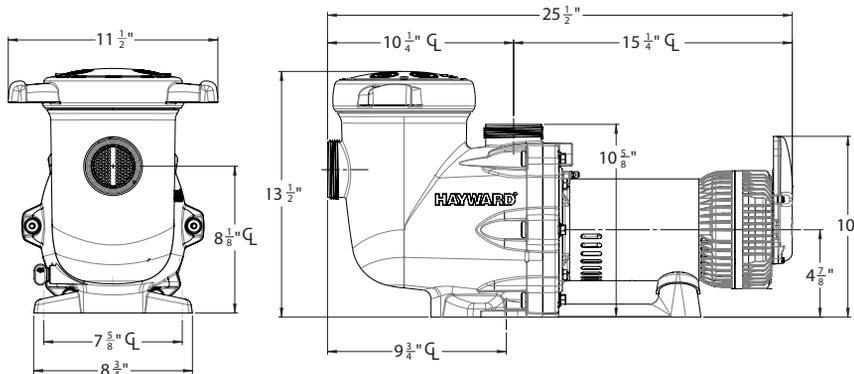
- Simple and intuitive Bluetooth connectivity for complete control.
- Fully configurable time-of-day based schedules, true variable-speed operation, and water temperature monitoring.
- Control from anywhere when used with the optional OmniX Gateway accessory (sold separately).
- OmniX equipment ecosystem connects compatible devices seamlessly without a centralized controller (additional equipment coming soon).
- Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- ENERGY STAR approved – may be eligible for local utility rebates
- 3-year limited warranty
- The OmniX Module comes standard with every TriStar VS 800 Series pump.

## Accessories Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
W3GATEWAYX1	OmniX Gateway Remote Control Device	10	7.2 lbs.
VSPOMNIX*	OmniX Module	5	5.2 lbs.

**NOTE:** \*OmniX Module can upgrade existing TriStar XE pumps into OmniX capabilities.

## Overall Dimensions (inches)



## Performance Data

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)						
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft
VSP32810	103	93	81	68	50	—	—
VSP32815	131	124	112	98	81	57	—
VSP32820	148	144	137	123	106	86	55

**NOTE:** For complete pump performance curves see page 23.

### Powerful Design. Versatile Performance.

The TriStar XL is a game changer for large residential pools, feature-rich pools or complex pool pad configurations. Engineered for performance and versatility, the TriStar XL delivers increased flow from extra-large 3" unions, the removable strainer housing allows for more adaptable pump configurations, and the oversized strainer basket reduces cleaning and maintenance.

#### Applications

- In-ground pools
- In-ground spas

#### Features

- Versatile strainer housing and motor can be plumbed separate for complex pool pad configurations\*
- Removable, oversized strainer basket for reduced cleaning and maintenance
- Increased flow from included 3" unions
- 2.5" x 3" unions for easy drop-in replacement
- WEF 9.9 rating that blows the competition out of the water
- Easy pump control from digital touchscreen interface
- Remote pump control with Omni® automation to manage speed, scheduling and more
- Digital control interface that can be rotated or wall-mounted
- Totally enclosed fan-cooled (TEFC) motor maximizes energy efficiency
- Chemical-resistant Viton® shaft seal for long-term durability
- ENERGY STAR approved – may be eligible for local utility rebates

\*Flange Kit sold separately



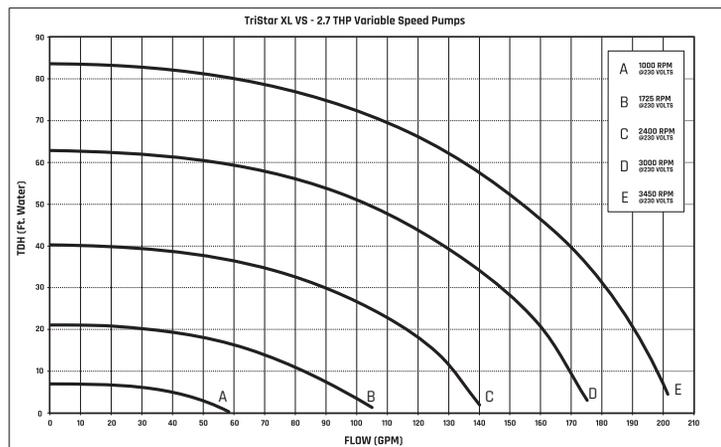
TriStar XL Pump and Strainer Basket

### TriStar XL Pump Buying Guide

Model Number	Total H.P.	WEF	Union Connections	Voltage at 60 Hz	Ctn. Qty.	Ctn. Weight
HCP3020VSP✓	2.7	7.2/9.9	2.5" x 3"	230/115	1	75 lbs.

**NOTE:** ✓NRCan Compliant

### Performance Data - TriStar XL VS

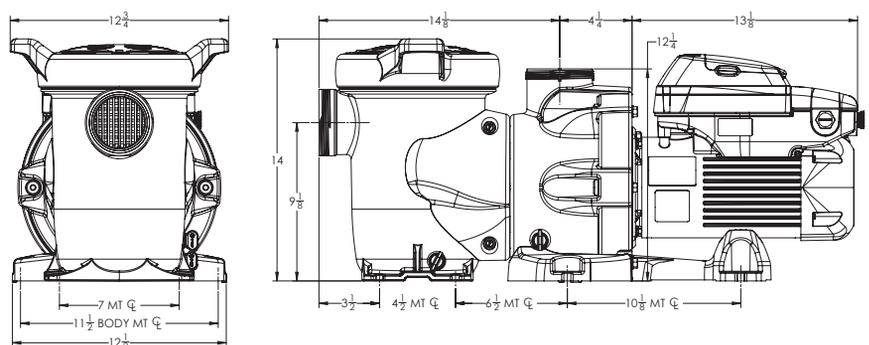


### Performance Data – HCP3020VSP\*✓

RPM	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft
3450	182	170	151	133	109	51
3000	160	128	104	49	—	—
2400	90	21	—	—	—	—

**NOTES:** \*For 230V  
✓NRCan Compliant

### Overall Dimensions (inches)



# TriStar® VS 900/950 Omni®

ULTRA-HIGH EFFICIENCY PUMPS WITH SMART POOL CONTROL

**EXPERT LINE**

Pumps



TriStar VS 900 Omni and TriStar VS 950 Omni Ultra-High Efficiency Pumps

Hayward® VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control including booster pumps, cleaner, backyard lighting, and water features.

TriStar VS 900/950 VS Omni pumps are the ideal combination of energy efficiency and smart pool control. They feature a Viton® shaft seal for long-lasting performance.

## TriStar VS 900/950 Omni Specifications

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Union Connections	Ctn. Qty.	Ctn. Weight
<b>TriStar VS 900</b>							
HL32900VSP	1.85	8.3/12.9	600–3450	230/115	2" x 2 1/2"	1	70 lbs.
<b>TriStar VS 950</b>							
HL32950VSP	2.70	7.3/10.1	600–3450	230/115	2" x 2 1/2"	1	83 lbs.

### Applications

- In-ground pools
- In-ground spas

### Features

- Fast and easy installation for both existing and new pools
- Provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options
- The most energy efficient pumps of any leading brand – saves up to \$1500 in energy costs each year\*
- Advanced, chemical-resistant Viton® shaft seal enhances durability in all environments
- An additional base is included to allow simple retrofit upgrades for Pentair® WhisperFlo® models

\*Savings compared to a single speed pump running 12 hours per day, on a 20,000 gallon pool, at an average electrical rate of \$0.15/kWh. Actual savings may vary.

### Performance Data – TriStar VS 900 Omni\*

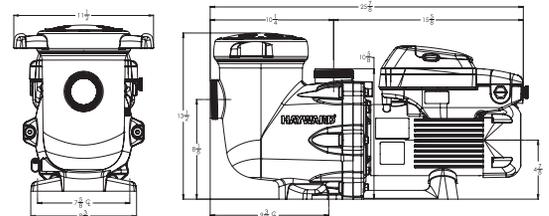
RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)						
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
1375	40%	29	—	—	—	—	—	—
1725	50%	55	—	—	—	—	—	—
2075	60%	76	52	—	—	—	—	—
2425	70%	94	77	54	—	—	—	—
2750	80%	111	97	80	58	—	—	—
3100	90%	128	116	103	87	67	34	—
3450	100%	145	134	123	110	96	78	54

### Performance Data – TriStar VS 950 Omni\*

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)							
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft
1375	40%	51	—	—	—	—	—	—	—
1725	50%	80	42	—	—	—	—	—	—
2075	60%	100	82	41	—	—	—	—	—
2425	70%	117	110	90	56	—	—	—	—
2750	80%	133	133	118	100	73	—	—	—
3100	90%	149	149	144	130	117	91	36	—
3450	100%	194	184	172	160	146	130	110	84

NOTE: \*For 230V

### Overall Dimensions (inches) TriStar VS 900/950 Omni



For replacement parts see page 151.

# EXPERT LINE

# TriStar® VS 900 & TriStar® VS 950

ULTRA-HIGH EFFICIENCY PUMPS

Hayward® TriStar VS ultra-high efficiency pool pumps are the most efficient pumps in their class. The 900 and 950 models go even further, offering unique features such as a Viton® shaft seal and extended warranties. Tests prove they can save pool owners up to 90% on energy costs compared to single-speed pumps.

### Applications

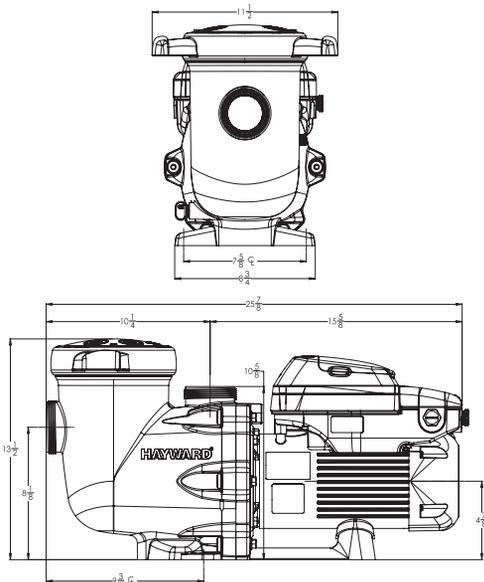
- In-ground pools
- In-ground spas

### Features

- Extended-life Viton® shaft seal for improved resistance against chemical imbalances
- Best-in-class energy efficiency via industry leading hydraulic design plus super-efficient permanent magnet motor saves up to \$1,500\* in energy costs year after year
- Easily installed in all applications: in standalone mode, with Hayward automation systems or with competitors' systems via relay control
- Fully programmable and rotatable digital interface with up to 8 custom timer functions
- Second base included to align with Pentair® WhisperFlo® for simple retrofit upgrades
- A separate base is also available (SPX3200SR) to align with Sta-Rite®, Max-E-Pro®, Max-E-Glas® or Dura-Glas®.

\*Savings compared to a single speed pump running 12 hours per day, on a 20,000 gallon pool, at an average electrical rate of \$0.15/kWh. Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

### Overall Dimensions (inches)



For replacement parts see page 152.



TriStar VS 900 and TriStar VS 950 Ultra-High Efficiency Pumps

## TriStar VS 900 and TriStar VS 950 Buying Guide

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Union Connections	Ctn. Qty.	Ctn. Weight
<b>TriStar VS 900</b>							
SP32900VSP✓	1.85	8.3/12.9	600-3450	230/115	2" x 2 1/2"	1	52 lbs.
<b>TriStar VS 950</b>							
SP32950VSP✓	2.70	7.3/10.1	600-3450	230/115	2" x 2 1/2"	1	65 lbs.

NOTE: ✓NRCan Compliant

### Performance Data – TriStar VS 900\*

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)						
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
1375	40%	29	—	—	—	—	—	—
1725	50%	55	—	—	—	—	—	—
2075	60%	76	52	—	—	—	—	—
2425	70%	94	77	54	—	—	—	—
2750	80%	111	97	80	58	—	—	—
3100	90%	128	116	103	87	67	34	—
3450	100%	145	134	123	110	96	78	54

### Performance Data – TriStar VS 950\*

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)							
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft
1375	40%	51	—	—	—	—	—	—	—
1725	50%	80	42	—	—	—	—	—	—
2075	60%	100	82	41	—	—	—	—	—
2425	70%	117	110	90	56	—	—	—	—
2750	80%	133	133	118	100	73	—	—	—
3100	90%	149	149	144	130	117	91	36	—
3450	100%	194	184	172	160	146	130	110	84

NOTE: \*For 230V



TriStar Pump

The TriStar Pump from Hayward features the industry's most energy efficient hydraulics. Easy to install, service and maintain, TriStar outperforms the competition when it comes to flow, efficiency and value. It's the first to feature a large, no-rib strainer basket design that's quick and easy to clean.

**Applications**

- In-ground pools of all types and sizes (including in-floor cleaning systems, solar heating systems, water features)
- In-ground spas or in-ground pool/spa combinations
- Fountains

**Features**

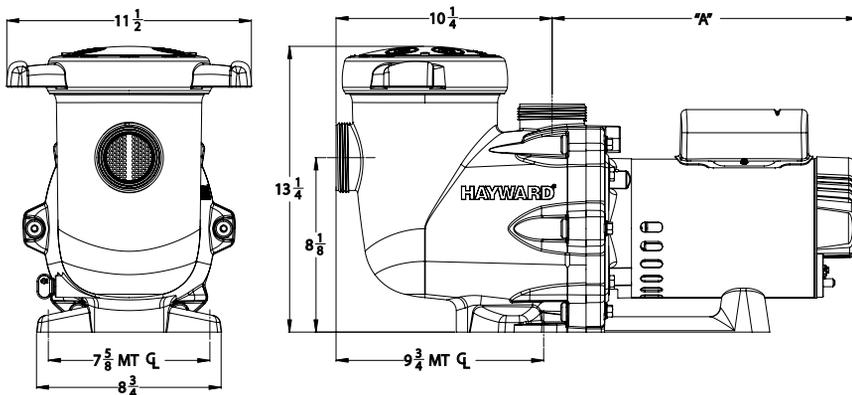
- Higher flow rates can allow for stepping down in pump horsepower compared to less efficient pump models
- 2" x 2 1/2" union connections make installation and servicing fast and easy
- No-rib basket design insures easy debris removal. Extra leaf-holding capacity extends time between cleanings
- Pressure testable to 50 psi maximum
- Self-priming (suction lift up to 10' above water level)

**TriStar Buying Guide**

Model Number	Total H.P.	WEF	Service Factor	Voltage at 60 Hz	Union Connections	Dim. "A"	Ctn. Qty.	Ctn. Weight
<b>Energy Efficient Full Rated Single-Speed</b>								
SP3205EE*	0.99	—	1.98	115/208-230	2" x 2 1/2"	13 5/8"	1	42 lbs.
SP3207EE*	1.39	—	1.85	115/208-230	2" x 2 1/2"	13 7/8"	1	44 lbs.
SP3210EE*	1.85	—	1.85	115/208-230	2" x 2 1/2"	14 3/8"	1	47 lbs.
SP3215EE*	2.40	—	1.60	115/208-230	2" x 2 1/2"	14 7/8"	1	51 lbs.
SP3220EE*	2.70	—	1.35	208-230	2" x 2 1/2"	14 7/8"	1	51 lbs.
SP3230EE*	3	—	1.20	208-230	2" x 2 1/2"	15	1	65 lbs.
SP3250EE	5.0	1.7	1.00	208-230	2" x 2 1/2"	17 1/8"	1	66 lbs.

**NOTE:** \* This product is not NRCan compliant, it will remain available only while supplies last.

**Overall Dimensions (inches)**



**Performance Data**

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)								
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft	100 ft
<b>Energy Efficient Full Rated</b>									
SP3205EE*	87	76	62	45	8	—	—	—	—
SP3207EE*	104	94	83	70	54	22	—	—	—
SP3210EE*	132	121	110	97	81	60	—	—	—
SP3215EE*	159	149	137	125	111	93	70	—	—
SP3220EE*	187	175	161	146	130	110	80	—	—
SP3230EE*	212	200	186	171	154	138	111	75	—
SP3250EE	240	227	213	193	182	168	150	118	80

Experience the future of pool automation with OmniX Pumps. Designed for both new and existing pools, OmniX enables seamless, wireless control of your entire pool pad—one device at a time. With onboard automation and mobile connectivity via Bluetooth, you can manage equipment, schedule operations, and monitor water temperature directly from your smartphone. Add the OmniX Gateway to access your system from anywhere. Featuring an industry-first wireless mesh network, OmniX eliminates the need for control panels, creating a connected, intelligent ecosystem that's simple to install and effortless to use.

**Applications**

- In-ground pools
- In-ground spas

**Features**

- Simple and intuitive Bluetooth connectivity for complete control.
- Fully configurable time-of-day based schedules, true variable-speed operation, and water temperature monitoring.
- Control from anywhere when used with the optional OmniX Gateway accessory (sold separately).
- OmniX equipment ecosystem connects compatible devices seamlessly without a centralized controller (additional equipment coming soon).
- Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- ENERGY STAR approved – may be eligible for local utility rebates
- 3-year limited warranty
- The OmniX Module come standard with every Super Pump VS 600 Series pump

**Performance Data**

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
VSP26615	102	91	79	65	44	—
VSP26620	120	110	98	85	69	46

**NOTE:** For complete pump performance curves see page 24.



Super Pump VS 600 Series With OmniX

**Super Pump VS 600 Series Specifications**

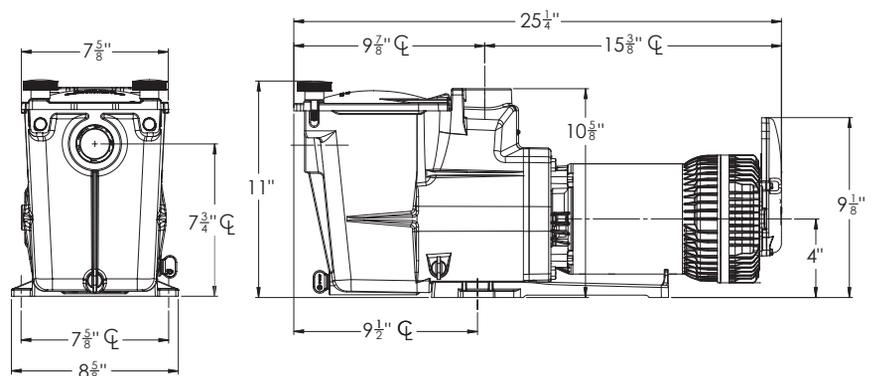
Model Number	Total H.P.	WEF	Speed Range	Voltage at 60 Hz	Amp Rating	Ctn. Qty.	Ctn. Weight
VSP26615	1.65	8.3/8.3	18-100%	115/230V	10.9/19.9	1	34 lbs.
VSP26620	2.25	8.0/7.9	18-100%	115/230V	14.2/19.9	1	34.5 lbs.

**Accessory Buying Guide**

Model Number	Description	Ctn. Qty.	Shipping Weight
W3GATEWAYX1	OmniX Gateway Remote Control Device	10	7.2 lbs.
VSPOMNIX*	OmniX Module	5	5.2 lbs.

**NOTE:** \*OmniX Module can upgrade existing Super Pump XE pumps into OmniX capabilities.

**Overall Dimensions (inches)**

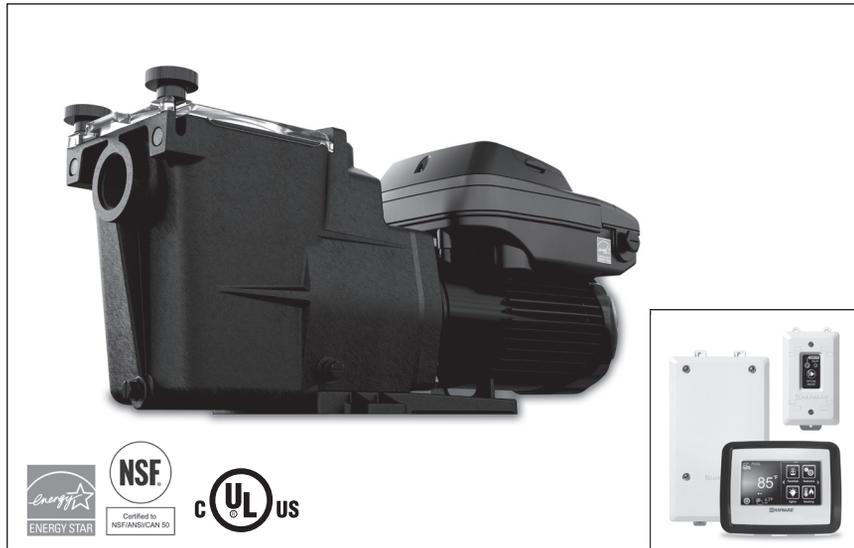


# Super Pump® VS 700 (Omni®)

ULTRA-HIGH EFFICIENCY PUMPS

EXPERT LINE

Pumps



Super Pump VS 700 Omni

Super Pump® VS 700 is a simple drop-in upgrade for Super Pump single-speed pumps up to 1.5 H.P. Built with dual voltage capability, it offers the savings of a VS pump without requiring costly rewiring. Built with a chemical-resistant Viton® shaft seal and accompanied by a 3-year extended warranty, Super Pump VS 700 offers powerful protection for years of reliable performance.

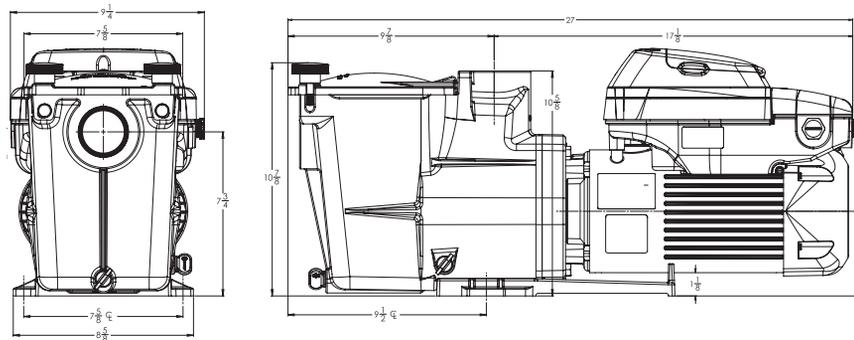
Hayward® VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control including booster pumps, cleaner, backyard lighting, and water features.

## Super Pump VS 700 Specifications

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Port Size	Smart Pool Control	Ctn. Qty.	Ctn. Weight
<b>Super Pump VS 700</b>								
SP2670020VSP✓	1.65	8.6/11.7	600-3450	230/115	2"	No	1	56 lbs.
<b>Super Pump VS 700 Omni</b>								
HL2670020VSP	1.65	8.6/11.7	600-3450	230/115	2"	Yes	1	63 lbs.

NOTE: ✓NRCan Compliant

## Overall Dimensions (inches)



## Applications

- In-ground pools
- In-ground spas

## Features

- Delivers up to 80% energy savings\*
- Fast and easy installation for both existing and new pools
- Dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton® shaft seal enhances durability in all environments
- VS Omni model provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options

\*Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

## Performance Data\*

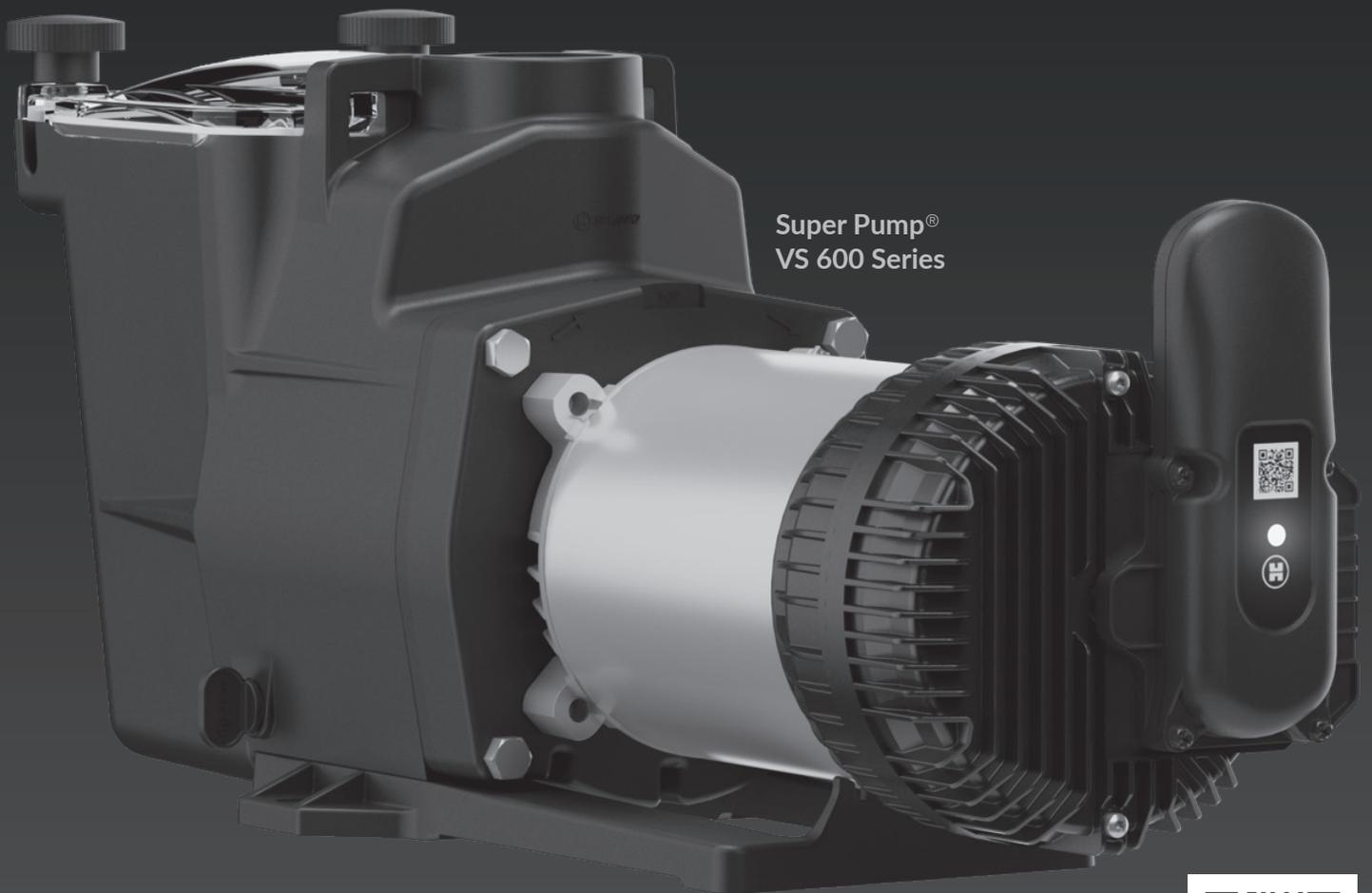
RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
		10 ft	20 ft	30 ft	40 ft	50 ft	60 ft
1725	50	39	—	—	—	—	—
2400	70	71	54	25	—	—	—
3000	87	95	83	70	52	—	—
3540	100	112	102	92	80	65	40

NOTE: \*230V

# AFTERMARKET AUTOMATION.

Transform your pool with OmniX—the effortless drop-in solution for wireless automation. Control equipment, set schedules, and monitor water temperature from your smartphone via Bluetooth or remotely with the optional OmniX Gateway.\*

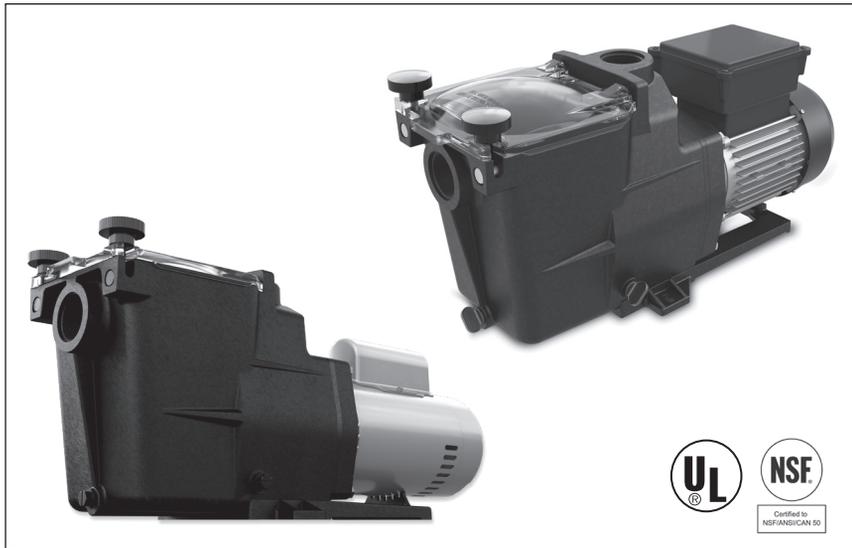
SIMPLE & INTUITIVE SETUP & OPERATION



Scan the code  
to learn more



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Super Pump (bottom)

Super Pump 700 (top)

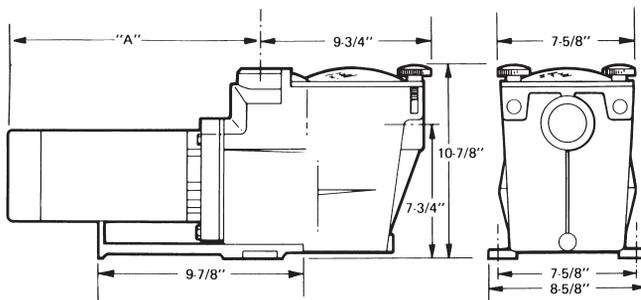
### Super Pump Buying Guide

Model Number	Total H.P.	WEF	Voltage at 60 Hz	Port Size	Dim. "A"	Ctn. Qty.	Ctn. Weight
<b>Super Pump 700 Single Speed</b>							
SP2670007X10C	1.1	3.4	230/115	2"	13 1/8"	1	35 lbs.
<b>Super Pump Single-Speed</b>							
SP2600X5A*	0.60	4.3	115	2"	14 1/4"	1	29 lbs.
SP2605X7A*	0.85	3.9	230/115	2"	14 1/4"	1	32 lbs.
SP2607X10A*	1.1	3.4	230/115	2"	14 1/2"	1	35 lbs.
SP2610X15A*	1.50	—	230/115	2"	15 3/8"	1	40 lbs.
SP2615X20A*	2.00	—	230	2"	15 7/8"	1	48 lbs.
SP2621X25A*	2.50	—	230	2"	16 3/8"	1	54 lbs.
<b>Super Pump Two-Speed</b>							
SP2607X102S*	1.0	—	230	2"	13 3/8"	1	39 lbs.
SP2610X152S*	1.50	—	230	2"	13 3/4"	1	43 lbs.

**NOTES:** Dual-speed pumps with "S" designation include "Hi/Lo" manual switch.

\* This product is not NRCAN compliant, it will remain available only while supplies last.

### Overall Dimensions (inches)



### Efficient. Dependable. Proven.

The Super Pump has all the quality features you expect from Hayward. For aftermarket and new pool installations, the Super Pump sets the standard of excellence and value.

Super Pump 700 is upgraded with an exclusive totally enclosed fan-cooled (TEFC) motor for added reliability. The updated design of the TEFC motor and the top-mount wiring compartment also provide up to 5 inches of extra space, making installation faster and easier than ever—especially in small pool pads.

### Applications

- In-ground pools
- In-ground spas

### Features

- Heavy-duty, high-performance motor for quieter, cooler operation
- Exclusive swing-away hand knobs for easier strainer cover removal: no tools required . . . no loose parts . . . no clamps
- 110-cubic-inch basket has extra leaf-holding capacity; load-extender ribbing ensures free flowing operation
- See-through strainer cover lets you see when the basket needs to be cleaned

### Performance Data

Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
SP2670007X10C	74	64	54	40	13	—

Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
SP2600X5A*	48	38	23	—	—	—
SP2605X7A*	61	52	41	25	—	—
SP2607X10A*	74	64	54	40	13	—
SP2610X15A*	83	74	64	52	36	—
SP2615X20A*	122	111	98	84	66	39
SP2621X25A*	117	108	97	86	73	58

Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	5 ft	10 ft	15 ft	20 ft	25 ft	30 ft
SP2607X102S*	44	31	5	—	—	—
SP2610X152S*	42	32	18	—	—	—

**NOTE:** \*This product is not NRCAN compliant, it will remain available only while supplies last.

**Super II is the proven design for both 1 1/2" and 2" high performance installations. Its hydraulic efficiency allows greater flow at lower operating costs. The additional riser base makes Super II a drop-in replacement for most aftermarket installations.**

### Applications

- In-ground pools of all types and sizes (including in-floor cleaning systems, solar heating systems, water features)
- In-ground spas or in-ground pool/spa combinations
- Fountains

### Features

- Full-flow hydraulics allow greater flow at a lower cost of operation
- Save electricity and money with high efficiency single-speed and two-speed models
- 155-cubic-inch basket has rigid construction including load-extender ribbing for free-flow operation
- See-through cover so pool owners know exactly when to empty the extra-large debris basket
- Second base included to align Super II with STA-RITE®, DURA-GLAS® and other pumps for easy retrofit installations
- Self-priming (suction lift up to 10' above water level)

### Performance Data

Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	40 ft	50 ft	60 ft	70 ft	80 ft	90 ft
SP3005X7A*	47	38	26	12	—	—
SP3007X10V*	63	55	46	32	—	—
SP3010X15V*	89	80	69	56	34	—
SP3015X20A*	112	102	90	75	56	—

### Performance Data – Low Speed

Max Rated Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	5 ft	10 ft	15 ft	20 ft	25 ft	30 ft
SP3010X152S*	56	46	34	13	—	—

**NOTE:** \*This product is not NRCan compliant, it will remain available only while supplies last.



**SP3015X20A\* 2 H.P. Super II Pump**

**NOTE:** \*This product is not NRCan compliant, it will remain available only while supplies last.

## Super II Pump Buying Guide

Model Number	Total H.P.	Rated H.P.	Service Factor	Voltage at 60 Hz	Port Size	Dim. "A"	Ctn. Qty.	Ctn. Weight
<b>Standard Efficient Max Rated Single-Speed</b>								
SP3005X7A*	0.75	¾	1.00	115/230	2"	14 1/8"	1	35 lbs.
SP3007X10V*,**	1.10	1	1.10	115/230	2"	14 1/2"	1	38 lbs.
SP3010X15V*,**	1.50	1 1/2	1.00	115/230	2"	15 5/8"	1	43 lbs.

### Energy Efficient Max Rated Dual-Speed

SP3010X152S*	1.50	1 1/2	1.00	230	2"	14"	1	46 lbs.
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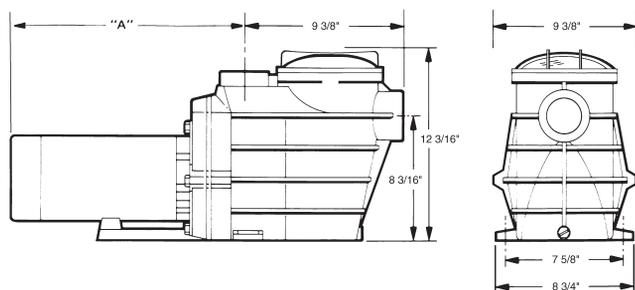
**NOTES:** \*This product is not NRCan compliant, it will remain available only while supplies last.

\*\*A standard seal, V Viton seal

## Accessory Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
SPX3100T	Pump Strainer Tool – For 6 1/2" cover/lid	25	14 lbs.
RSX750PAK1C	Unions Pack (set of 2)	1	2 lbs.

## Overall Dimensions (inches)



# MaxFlo VS 400 Series OmniX®

FULL VARIABLE SPEED WITH BUILT-IN OMNIX COMPATIBILITY

**EXPERT LINE**

Pumps



MaxFlo VS 400 Series With OmniX

## MaxFlo VS 400 Series Specifications

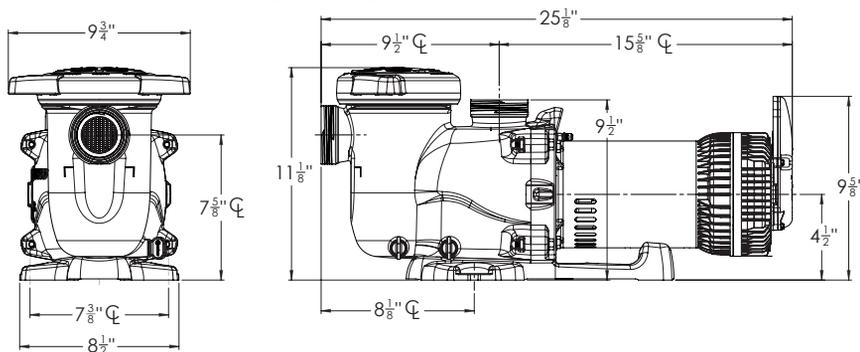
Model Number	Total H.P.	WEF	Speed Range	Voltage at 60 Hz	Amp Rating	Ctn. Qty.	Ctn. Weight
VSP23415	1.65	9.7/9.7	18-100%	230/115	10.9/19.9	1	34 lbs.
VSP23420	2.25	8.4/8.7	18-100%	230/115	14.2/19.9	1	34 lbs.

## Accessory Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
W3GATEWAYX1	OmniX Gateway Remote Control Device	10	7.2 lbs.
VSPOMNIX*	OmniX Module	5	5.2 lbs.

**NOTE:** \*OmniX Module can upgrade existing MaxFlo XE pumps into OmniX capabilities.

## Overall Dimensions (inches)



Experience the future of pool automation with OmniX Pumps. Designed for both new and existing pools, OmniX enables seamless, wireless control of your entire pool pad—one device at a time. With onboard automation and mobile connectivity via Bluetooth, you can manage equipment, schedule operations, and monitor water temperature directly from your smartphone. Add the OmniX Gateway to access your system from anywhere. Featuring an industry-first wireless mesh network, OmniX eliminates the need for control panels, creating a connected, intelligent ecosystem that's simple to install and effortless to use.

### Applications

- In-ground pools
- In-ground spas

### Features

- Simple and intuitive Bluetooth connectivity for complete control.
- Fully configurable time-of-day based schedules, true variable-speed operation, and water temperature monitoring.
- Control from anywhere when used with the optional OmniX Gateway accessory (sold separately).
- OmniX equipment ecosystem connects compatible devices seamlessly without a centralized controller (additional equipment coming soon).
- Convenient user & account management tools built into the OmniX app for homeowners and pool professionals
- ENERGY STAR approved – may be eligible for local utility rebates
- 3-year limited warranty
- The OmniX Module comes standard with every MaxFlo VS 400 Series pump.

### Performance Data

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)					
	20 ft	30 ft	40 ft	50 ft	60 ft	70 ft
VSP23415	81	69	55	34	—	—
VSP23420	107	95	81	63	35	—

**NOTE:** For complete pump performance curves see page 25.

MaxFlo VS 500 is a drop-in upgrade for MaxFlo models up to 1.5 H.P. It features a new upgraded dual-voltage motor drive that delivers significantly quieter high-speed operation while maintaining optimal operating efficiency with increased reliability and product longevity. Also, includes a Viton® shaft seal for long-lasting performance.

Hayward® VS Omni ultra-high efficiency pumps provide next generation energy efficiency plus smart control of the entire pad including pumps, heaters, lighting, salt systems, cleaners, water features, and spa settings. Each model is supplied with everything needed to install smart pool control: VS Control Pad, Hub, and a Smart Relay. Up to two additional Smart Relays can be purchased for even more control including booster pumps, cleaner, backyard lighting, and water features.

**Applications**

- In-ground pools
- In-ground spas

**Features**

- Delivers up to 80% energy savings\*
- Fast and easy installation for both existing and new pools
- Provides smartphone control for the entire pad
- Up to two additional Smart Relays (HLH485RELAY) can be added for even more control options
- New upgraded dual-voltage motor drive maintains optimal operating efficiency for long-lasting performance
- Advanced, chemical-resistant Viton® shaft seal enhances durability in all environments

\*Actual savings may vary based on comparison pump model, hours of operation, electrical rate and other hydraulic aspects such as plumbing size and length.

**Performance Data\***

RPM	Percent Output	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)				
		10 ft	20 ft	30 ft	40 ft	50 ft
1725	50	30	—	—	—	—
2400	70	59	40	—	—	—
3000	87	80	68	52	27	—
3450	100	96	85	73	59	40

NOTE: \*For 230V

For replacement parts see page 163.



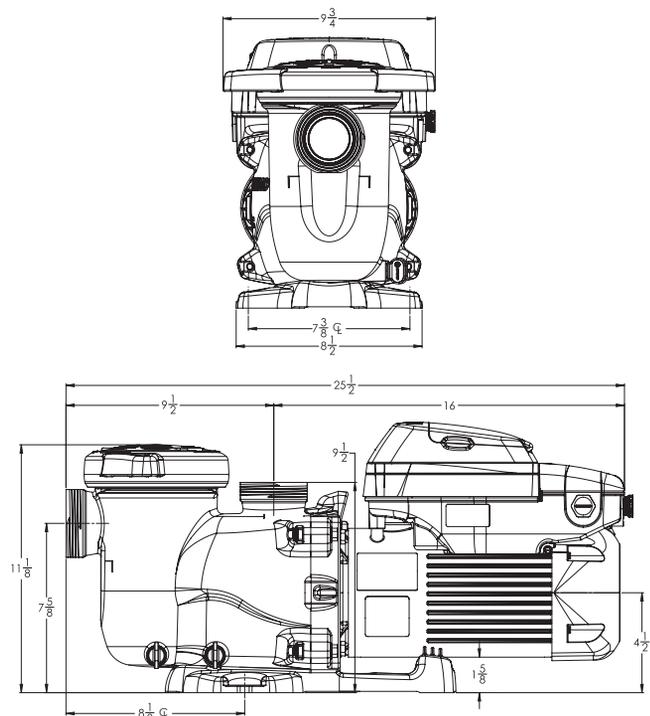
MaxFlo VS 500 Omni

**MaxFlo VS 500 Specifications**

Model Number	Total H.P.	WEF	Speed Range RPM	Voltage at 60 Hz	Port Size	Smart Pool Control	Ctn. Qty.	Ctn. Weight
<b>MaxFlo VS 500 Omni</b>								
HL2350020VSP	1.65	10.2/10.7	600-3450	230/115	1 1/2" x 2"	Yes	1	63 lbs.
<b>MaxFlo VS 500</b>								
SP23520VSP✓	1.65	10.2/10.7	600-3450	230/115	1 1/2" x 2"	No	1	51 lbs.

NOTE: ✓NRCan Compliant

**Overall Dimensions (inches)**



# PowerFlo Matrix® & PowerFlo II

ABOVE GROUND/ON GROUND PUMP SERIES

Pumps



SP5610\* 1HP PowerFlo Matrix Pump

## Performance Data in U.S. gallons

Model No.	Pump Output (GPM) vs. Total Resistance to Flow (Feet of Head)				
	10 ft	20 ft	30 ft	40 ft	50 ft
SP5610*	86	86	75	58	27
SP5615*	91	91	80	62	32

**NOTE:** \*This product is not NRCan compliant, it will remain available only while supplies last.

The PowerFlo Matrix has been engineered as a uniquely superior above-ground pool pump. With a single push of a button, this truly versatile pump changes from a vertical to a horizontal discharge and back again. It's large profile and integrated styling makes the PowerFlo Matrix a swimming pool pump like no other.

### Features

- On/Off switch
- Horizontal/vertical discharge feature—simply converts from vertical to horizontal discharge orientation with the press of a button
- Quick disconnect intake and discharge pipe connection
- C-Clip Connector allows for easy disengagement of strainer housing in a matter of seconds for hassle-free maintenance
- Heavy-duty, high performance motor with integrated automatic thermal overload protector for years of operation
- High quality Noryl impeller with wide openings to prevent clogging by leaves and debris
- Durable, corrosion-proof housing for years of dependable service and all-weather performance
- Heat-resistant, double-sized seal for long-lasting efficiency
- Energy-efficient, protected rear mounted switch
- Integral drain plug for easy winterization of pump
- Unions included
- Pre-wired with a 25' long linecord

## PowerFlo Matrix Pump Buying Guide EXPERT LINE®

Model Number	Description	H.P.	Voltage	Cord Pipe Size	Ctn. Qty.	Weight
SP5610*	Single Speed	1	115	1 1/2"	1	25 lbs.
SP5610ET*	Single Speed, Electric Timer	1	115	1 1/2"	1	25 lbs.
SP5615*	Single Speed	1.5	115	1 1/2"	1	25 lbs.
SP56152✓	2 Speed Pump	1.5	115	1 1/2"	1	25 lbs.

**NOTES:** \*This product is not NRCan compliant, it will remain available only while supplies last.

✓NRCan Compliant

**OPEN LINE**

### Optional Accessories

Model Number	Description	Ctn. Weight
SP1500UNPAK2	Set of two (2) quick connect unions	32 lbs.



VL2280 1HP PowerFlo II Pump

The PowerFlo II self priming pump has been quality built and engineered to give you many years of efficient performance, in entry level markets. The non-conductive, corrosion-proof motor housing provides protection from the elements and insulates the electrical motor parts from outside contact.

### Features

- Exclusive quarter turn hand knobs make strainer cover removal easy
- Lexan see-thru strainer cover lets you see when basket needs cleaning
- All components molded of corrosion proof PermaGlass XL and stainless steel for extra durability and long life
- Heavy-duty, high performance motor for quieter, cooler operation

## PowerFlo II Buying Guide

Model Number	Description	H.P.	Ctn. Qty.	Ctn. Weight
VL2280	Single Speed Pump	1	1	27 lbs.
VL2285	Single Speed Pump	1.5	1	27 lbs.

# TurboFlo II & Booster Pump 300

ABOVE-GROUND PUMP SERIES

The TurboFlo II has been designed to provide years of worry free operation and has been engineered as a uniquely superior swimming pool pump. The non-conductive, corrosion-proof motor housing provides protection from the elements and insulates the electrical motor parts from outside contact. The advanced design of the TurboFlo II reduces operation and maintenance to simple, common sense procedures. With self lubricating motor bearings and shaft seals, no lubrication is necessary.



SP57152 ✓ 1 H.P. TurboFlo II Pump

## Features

- Corrosion proof motor housing for years of worry free operation
- Super quiet motor operation
- Ergonomic handle for easy carrying
- Exclusive quad lock cover for easy cover removal and cleaning
- Large leaf holding capacity strainer basket which dramatically extends time between cleanings
- See through strainer cover lets you see when the strainer basket needs to be cleaned
- 115 Volt Plug (pre-wired with a 25' long linecord)

Engineered to provide the same quiet operation and reduced electricity requirements as our standard Booster Pump, the Booster Pump 300 also comes with a totally enclosed fan-cooled (TEFC) motor, hose kit, and a 2-year extended warranty for increased peace of mind.

## Features

- Suitable for all pressure cleaners requiring a booster pump
- TEFC motor delivers added reliability and easily accessible top-mount wiring compartment
- 3/4" retrofit hose kit included
- 3/4" hose barb union adapters allow for easy retrofit to existing installations using flexible hose for booster pump connections
- 1 1/2" plumbing union fittings improve performance and allows easy installation and removal

## TurboFlo II Pump Buying Guide

Model Number	H.P.	Ctn. Qty.	Ctn. Weight
SP5710 ✓	1	1	29 lbs.
SP5715 ✓	1.5	1	31 lbs.
SP57152 ✓ (2-speed)	1.5	1	32 lbs.
SP57152ET ✓ (2-speed with timer)	1.5	1	32 lbs.

**NOTE:** ✓NRCan Compliant



Booster Pump 300

## Booster Pump 300 Buying Guide

Model Number	Total H.P.	Rated H.P.	Service Factor	Voltage at 60 Hz	Ctn. Qty.	Ctn. Weight
HSP30060*	1.25	¾	1.67	115/208-230	1	31 lbs.

**NOTE:** \*Extended Warranty is 2 years

# UltraPro & UltraMax

ABOVE-GROUND PUMP SERIES

PUMPS



SP2290 ✓ 1 H.P. Ultra-Pro Pump

The UltraPro pump has been quality-built and engineered to give you many years of efficient, dependable service. The non-conductive, corrosion-proof motor housing provides protection from the elements and insulates the electrical motor parts from outside contact.

The advanced design reduces operation and maintenance to simple, common-sense procedures.

### Features

- Pre-wired with a 25' long linecord

### UltraPro Pump Buying Guide

Model Number	Description	H.P.	Pipe Voltage	Cord Size	Ctn. Size	Ctn. Qty.	Weight
<b>Max Rated Single-Speed</b>							
SP2290 ✓		1	115	1 ½"	25'	1	27 lbs.
SP2295*		1 ½	115	1 ½"	25'	1	30 lbs.
SP22952*	Two Speed	1 ½	115	1 ½"	25'	1	30 lbs.

**NOTE:** \*This product is not NRCan compliant, it will remain available only while supplies last.

✓NRCan Compliant



SP2910\* 1 H.P. UltraMax Pump

**NOTE:** \*This product is not NRCan compliant, it will remain available only while supplies last.

UltraMax self priming pump has been quality-built and engineered to give many years of efficient, dependable service. For above-ground and on-ground pools requiring quiet self-priming performance.

### Features

- Exclusive swing-aside hand knobs make strainer cover removal easy
- Lexan® see-through strainer cover lets you see when basket needs cleaning
- Strainer basket is 50% larger and incorporates an integral non-corrosive handle.
- Load extender ribbing ensures free flowing operation
- All components molded of corrosion proof PermaGlass XLTM for extra durability and long life
- Heavy-duty, high performance motor for quieter, cooler operation
- Service-ease design gives simple access to all internal parts
- Pre-wired with a 25' long linecord

### UltraMax Pump Buying Guide

Model Number	H.P.	Voltage	Pipe Size	Cord Size	Ctn. Qty.	Ctn. Weight
<b>Max Rated Single-Speed</b>						
SP2910*	1	115	1 ½"	25'	1	29 lbs.
SP2915*	1 ½	115	1 ½"	25'	1	30 lbs.

**NOTE:** \*This product is not NRCan compliant, it will remain available only while supplies last.

**Hydraulics is the study and understanding of the behavior of liquids at rest and in motion. We are concerned with water, and the following characteristics of our application:**

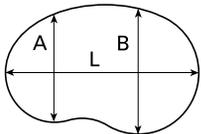
1. How much water do we have (Pool Capacity)?
2. How fast can we safely move the water (Turnover Rate and Water Velocity)?
3. How much resistance will this water meet while moving through the system (Friction Loss)?
4. How will we overcome this resistance (Pump/Filter Sizing)?

**Following are step-by-step instructions to answer these four questions and ultimately determine the proper size pump or filter for virtually any installation. Below each step is a calculation based on the following example: 16 ft by 32 ft rectangular pool, 3 ft to 8 ft deep, 2" suction side and return side plumbing. Existing 1 H.P. pump; filter gauge reads 10 PSI (clean).**

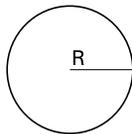
### 1. Pool Capacity

To determine total gallons, we must first calculate the surface area of the pool in square feet:

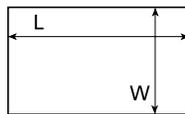
#### 1A. Surface Area



$$\text{Area} = (A+B) \times L \times .45$$



$$\text{Area} = R \times R \times 3.14$$



$$\text{Area} = L \times W$$

$$\underline{\hspace{2cm}} \text{ ft}^2$$

(surface area)

**Surface Area: 16 ft x 32 ft = 512 ft<sup>2</sup>**

Next, multiply the surface area by the average *depth* to determine the appropriate *volume* of the pool.

#### 1B. Average Depth

$$\left( \underline{\hspace{1cm}} \text{ ft} + \underline{\hspace{1cm}} \text{ ft} \right) \div 2 = \underline{\hspace{1cm}} \text{ ft}$$

(depth, shallow end) (depth, deep end) (average depth)

**Average Depth = (3 ft + 8 ft) ÷ 2 = 5.5 ft**

#### 1C. Volume

$$\underline{\hspace{2cm}} \text{ ft}^2 \times \underline{\hspace{2cm}} \text{ ft} = \underline{\hspace{2cm}} \text{ ft}^3$$

(surface area) (average depth) (volume)

**Volume = 512 ft<sup>2</sup> x 5.5 ft = 2,816 ft<sup>3</sup>**

Next, multiply the pool's volume in ft<sup>3</sup> by 7.5 to get the pool capacity in gallons:

### 1D. Pool Capacity

$$\underline{\hspace{2cm}} \text{ ft}^3 \times 7.5 \text{ gallons/ft}^3 = \underline{\hspace{2cm}} \text{ gallons}$$

(volume) (pool capacity)

**Pool Capacity = 2,816 ft<sup>3</sup> x 7.5 gallons/ft<sup>3</sup> = 21,120 gallons**

Some of the more common pool sizes are:

Above-Ground Size	Gallons*
15 ft Round	5,293
18 ft Round	7,622
21 ft Round	10,374
24 ft Round	13,550
12 ft x 24 ft Rectangle	8,626
27 ft Round	17,149
*Average Depth: 4 ft	

In-Ground Size	Gallons*
12 ft x 24 ft Rectangle	11,861
16 ft x 32 ft Rectangle	21,086
18 ft x 36 ft Rectangle	26,687
20 ft x 40 ft Rectangle	32,947
*Average Depth: 5.5 ft	

### 2. Flow Rate

While the actual flow rate of a pump is based on the total resistance of the system as described below, the desired flow rate must be calculated to verify it will satisfy Turnover Rate and Water Velocity requirements.

#### 2A. Turnover Rate

The turnover rate for a swimming pool is the amount of time required to circulate the entire volume of water through the system once to meet reasonably clean, safe water standards. Check with local regulations for the minimum required turnover rate.

Based on the pool's capacity and the desired turnover rate, the *minimum* rate at which the water must be circulated in Gallons Per Minute (GPM) is calculated as follows:

##### A. Minimum Flow in Gallons per Hour (GPH)

$$\underline{\hspace{2cm}} \text{ gallons} \div \underline{\hspace{2cm}} \text{ hours} = \underline{\hspace{2cm}} \text{ GPH}$$

(pool capacity) (desired turnover rate) (minimum flow, gallons per hour)

**Minimum Flow: 21,120 gallons ÷ 10 hours (assumed) = 2,112 gallons per hour**

##### B. Minimum Flow in Gallons per Minute (GPM)

$$\underline{\hspace{2cm}} \text{ gallons per hour} \div 60 \text{ minutes per hour} = \underline{\hspace{2cm}} \text{ GPM}$$

(minimum flow, gallons per hour) (minimum flow, gallons per minute)

**Minimum Flow: 2,112 gallons per hour ÷ 60 minutes per hour = 35 gallons per minute**

# Hydraulics

## THE BASICS OF PUMP/FILTER SIZING (continued)

### 2B. Water Velocity

The *maximum* recommended water velocity is six (6) or eight (8) feet per second for suction lines and ten (10) feet per second for return lines. Check with local regulations for the maximum water velocity for suction and return lines. The table below lists the maximum flow in GPM based on plumbing size and water velocity.

Pipe Size	Maximum Flow		
	6.0 ft/sec	8.0 ft/sec	10.0 ft/sec
1 1/2"	38 GPM	51 GPM	63 GPM
2"	63 GPM	84 GPM	105 GPM
2 1/2"	90 GPM	119 GPM	149 GPM
3"	138 GPM	184 GPM	230 GPM

**Maximum Flow: 2" suction side plumbing at 6.0 ft/sec = 63 gallons per minute**

### 2C. Desired Flow

The desired flow rate must be between the minimum flow based on the Turnover Rate and the maximum flow based on the Water Velocity. Note that if higher flow rates are needed, such as for water features, the maximum possible flow would have to be increased by using larger size plumbing [e.g. increase from 2" to 2 1/2" plumbing]. The use of branch (parallel) plumbing can also be used to reduce the flow and therefore plumbing size. Check with local regulations for proper plumbing sizing.

It is recommended to select a flow that is higher than the minimum to account for decrease in flow that naturally occurs as the filter is loaded with dirt and debris.

**Minimum Flow (Turnover Rate): 35 GPM**

**Maximum Flow (Water Velocity): 63 GPM**

**Desired Flow: 50 GPM**

### 3. Friction Loss (Head Loss)

Everything that the water must pass through within the circulation system — plumbing and equipment — creates resistance or Friction Loss (also referred to as Head Loss). The friction loss for standard plumbing supplies such as pipe, elbows, fittings, etc. can be found using published reference tables. Friction loss for equipment such as filters, heaters, and chlorination systems can be found in charts and/or curves provided by the manufacturer. The sum of all the resistance is called Total Dynamic Head (TDH) and is typically measured in Feet of Water or Feet of Head.

A properly sized pump will have the ability to overcome the Total Dynamic Head of the system while, at the same time, providing flow that will satisfy Turnover Rate and Water Velocity requirements.

For new installations, it is possible to calculate TDH by using reference tables and manufacturer's data to determine the friction loss associated with every component in the circulation system.

For existing installations, we are often unable to determine the total amount of pipe and fittings . . . it's underground. Therefore, what follows is a simplified "rule-of-thumb" means of determining Total Dynamic Head.

We will need to add the resistance from the vacuum (suction) side of the existing pump to the resistance of the pressure side of the pump. Note this assumes the Static Suction Lift (i.e. vertical distance from the center of the pump's impeller to the surface of the water) is offset by the water returning to the pool.

### 3A. Friction Loss (Vacuum)

$$\text{_____ inches of mercury} \times 1.13 \text{ ft of water} = \text{_____ ft of water}$$

(vacuum reading)  (total resistance, vacuum)

Typically, however, a vacuum reading will not be available, therefore, the table below provides Common Head Loss Factors for today's high-efficiency pumps.

Pump Size	Head Loss Factor*
3/4 H.P.	4.5 to 5.5 ft of water
1 H.P.	7 to 9 ft of water
1 1/2 H.P.	10 to 12.5 ft of water
2 H.P.	13.5 to 16 ft of water

\*Assumes 2" suction line, not to exceed 40 ft long, minimal fittings, one (1) 2" valve and full-rated pumps.

**Total Resistance (Vacuum): 9 ft of water (existing 1 H.P. pump)**

### 3B. Friction Loss (Pressure)

$$\text{_____ PSI} \times 2.31 \text{ ft of water / PSI} = \text{_____ ft of water}$$

(filter pressure, clean)  (total resistance, pressure)

**Total Resistance (Pressure): 10 PSI x 2.31 ft of water / PSI = 23 ft of water**

### 3C. Total Dynamic Head

$$\text{_____ ft of water} + \text{_____ ft of water} = \text{_____ ft of water}$$

(total resistance, vacuum)  (total resistance, pressure)  (total dynamic head)

**Total Dynamic Head: 9 ft of water + 23 ft of water = 32 ft of water**

## 4. Pump Sizing

We now have all the information necessary to select the proper size pump and/or filter and then proceed based on new vs. existing installations.

A pump's performance data is provided in GPM (output) vs. Feet of Head (resistance). The specific performance data for Hayward® pumps can be found in the Pump Section of this Buyer's Guide.

### 4A. Pump Sizing, New Installations

For new installations, use the desired flow rate and Total Dynamic Head calculated from tables and manufacturer's data:

Desired Flow = \_\_\_\_\_ GPM

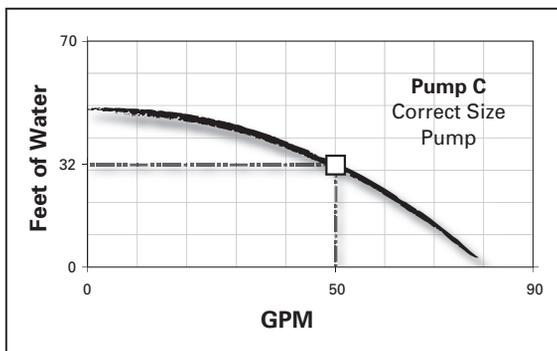
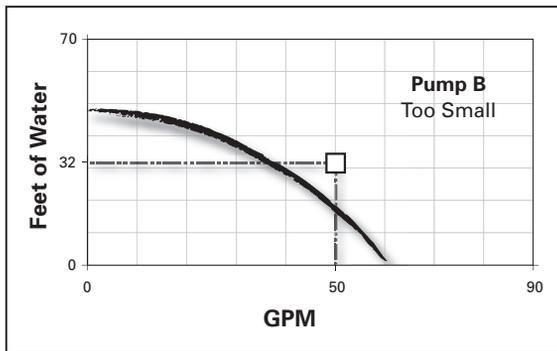
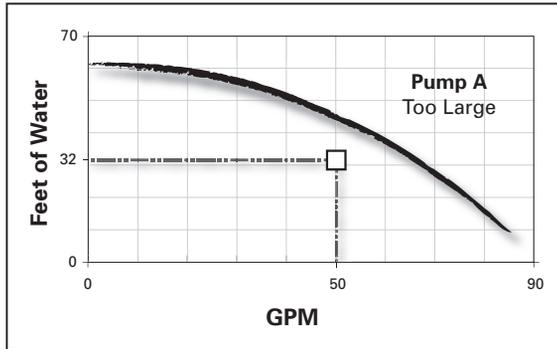
Total Dynamic Head = \_\_\_\_\_ ft of water

Using Hayward Pump Performance Curves or Tables, identify which pump's performance comes closest to matching the point where the Desired Flow intersects with the Total Dynamic Head.

**Desired Flow: 50 GPM**

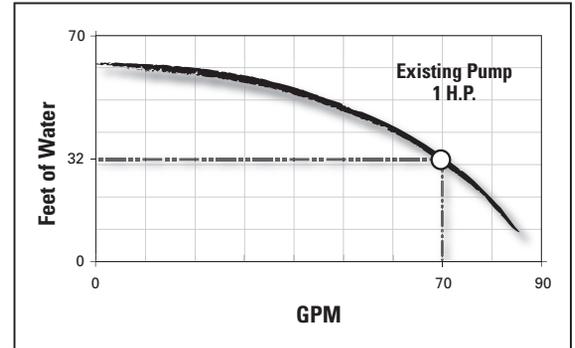
**Total Dynamic Head: 32 ft of water (assume to be the same as previously determined from Friction Loss calculations)**

### 4B. Pump Sizing



If the actual flow rate does not meet the Turnover Rate and Water Velocity requirements, you must either modify the system to add or remove restrictions (e.g. use less restrictive plumbing fittings and/or equipment) or vary the flow by changing size of the pump.

**In the example below, the flow (70 GPM) that corresponds to 32 ft of water for the given pump exceeds the maximum flow based on the water velocity. The pump should be re-sized.**



Important: if you increase or decrease the flow for any reason (e.g. change pump size), Friction Loss will increase or decrease respectively. *You should not read horizontally across the curve at the same Total Dynamic Head to choose another pump.* You must create a system curve based on the following relationship:

$$\text{_____ ft of water} \times \left( \frac{\text{_____ GPM}}{\text{_____ GPM}} \right)^2 = \text{_____ ft of water}$$

(current friction loss)      (new flow rate)      (current flow rate)      (new friction loss)

Choose the minimum and maximum flow rates based on Turnover Rate and Water Velocity and calculate the corresponding friction loss using the formula above. Plot each combination of friction loss and flow to create the system curve.

**Current Flow: 70 GPM (from chart for existing 1 H.P. pump shown above)**

**Current Friction Loss: 32 ft of water**

**Flow Rate per Turnover Requirement = 35 GPM**

**Friction Loss = (32 ft of water) x (35 GPM ÷ 70 GPM)<sup>2</sup> = 8 ft of water**

**Flow Rate per Water Velocity Requirement = 63 GPM**

**Friction Loss = (32 ft of water) x (63 GPM ÷ 70 GPM)<sup>2</sup> = 26 ft of water**

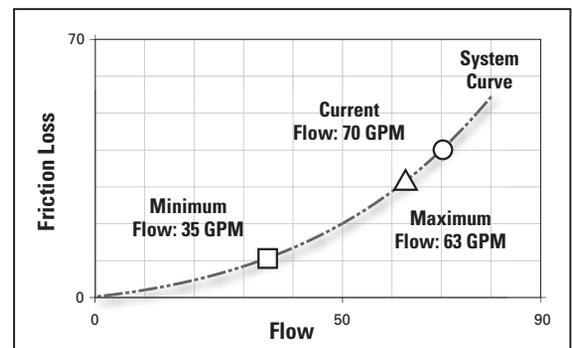
### Existing Installations

For existing installations, use the Total Dynamic Head calculated from the Friction Loss on the Vacuum and Pressure side of the pump.

Total Dynamic Head = \_\_\_\_\_ ft of water

Using the manufacturer's performance curve for the existing pump, find the flow that corresponds to the Total Dynamic Head. This is the actual flow at which the pump is currently operating, which may or may not meet Turnover Rate and Water Velocity requirements. Verify the actual flow rate is between the minimum flow based on the Turnover Rate and the maximum flow based on the Water Velocity.

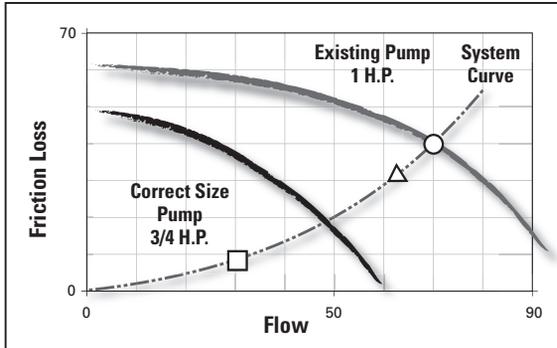
**Total Dynamic Head: 32 ft of water**



# Hydraulics

## THE BASICS OF PUMP/FILTER SIZING (continued)

The point where the performance curve for a particular pump intersects the system curve determines the flow and Total Dynamic Head where that pump will operate.



In this example, the flow for the 3/4 H.P. pump is between the minimum and maximum flow and is therefore properly sized for the application.

### Saving Money by Saving Energy

Depending upon utility rates, pool characteristics, and equipment selected, the energy and dollar savings from an energy efficient single, two, or variable speed pump compared to a standard single speed pump can be quite significant.

For example, a system featuring an energy efficient high performance pump drawing 5.34 amps at 230 volts where the local utility rate is \$0.12 per kWh will cost you approximately \$1.78 over a 12 hour period per day. A standard pump drawing 7.0 amps will cost you approximately \$2.32 per day or an extra \$197 annually!

Use this worksheet to help determine your energy savings:

A. Motor Amp Rating	A
B. Voltage (e.g. 115 volts or 230 volts)	B
C. Local Energy Rate (\$ per kWh)*	C
D. Approximate Power Usage (Watts) = A x B**	D
E. Kilowatts = D / 1000	E
F. \$ per hour = E x C	F
G. Hours of Operation	G
H. Cost per Day = F x G	H
J. Monthly Cost = H x 30	J
K. Yearly Cost = H x number of months pool is in operation	K

**NOTES:** \*Refer to your utility bill to determine local rate  
 \*\*Estimated. It is recommended to use a wattmeter to determine the actual power consumption.

Visit [ca.hayward.com](http://ca.hayward.com) and learn more about energy efficient pump solutions.

### 4C. Filter Sizing

A filter, be it DE, sand, or cartridge, has a Design Flow Rate in GPM as well as a Turnover Capacity in Gallons. See the table below for example. The specific performance data for Hayward® filters is provided in the Filter Section of this Buyer's Guide.

Select a filter that meets or exceeds *both* the desired flow rate and turnover capacity in gallons. Filtration is a category where truly "bigger is better" as a larger size will hold more debris and extend the time between cleaning.

Model Number	Effective Filtration Rate Area	Design Flow	Turnover Capacity (Gallons)	
			8 Hours	10 Hours
S180T	1.75 ft <sup>2</sup>	35 GPM	16,800	21,000
S210T	2.20 ft <sup>2</sup>	44 GPM	21,120	26,400
S220T/T2	2.64 ft <sup>2</sup>	52 GPM	24,960	31,200
S244T/T2	3.14 ft <sup>2</sup>	62 GPM	29,760	37,200
S270T/T2	3.70 ft <sup>2</sup>	74 GPM	35,520	44,400
S310T2	4.91 ft <sup>2</sup>	98 GPM	47,040	58,800
S360SX	6.50 ft <sup>2</sup>	130 GPM	62,400	78,000

#### Desired Flow: 50 GPM

#### Turnover 21,120 gallons in 10 hours

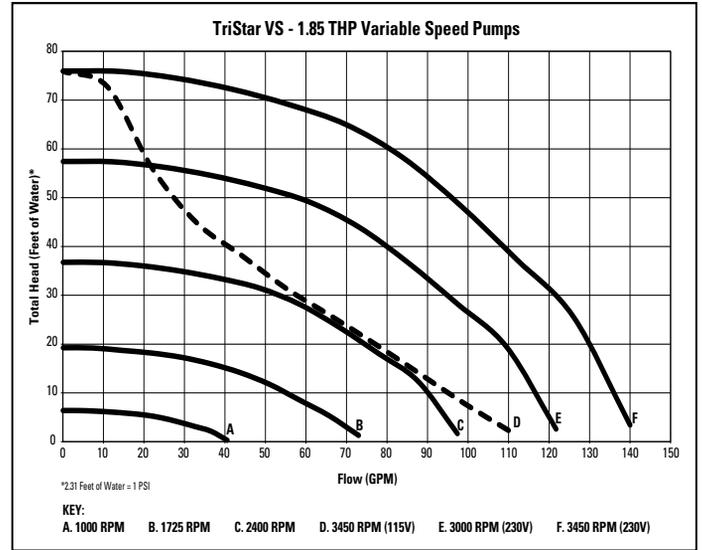
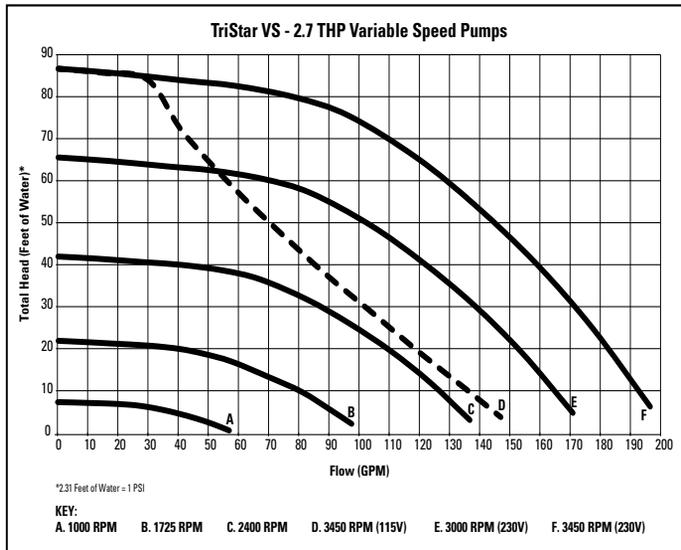
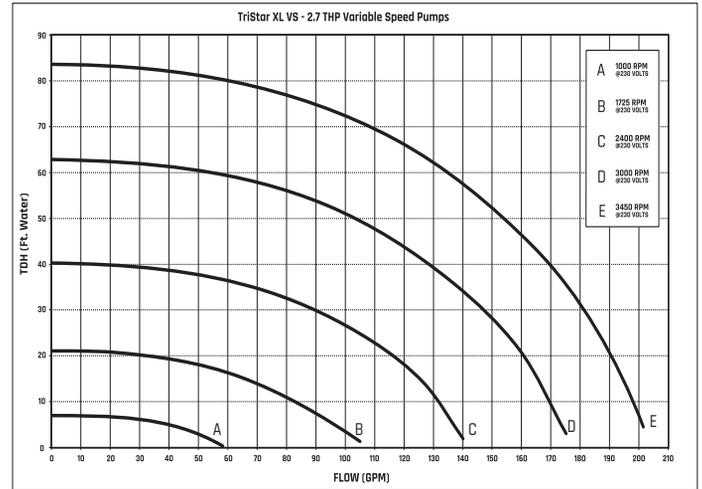
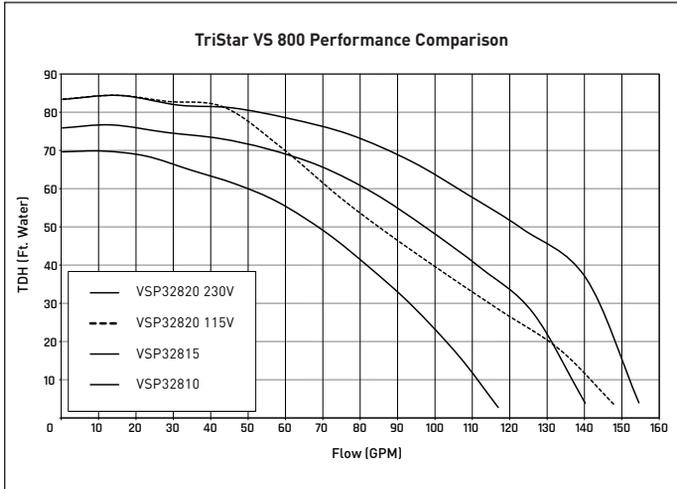
#### Select S220T (minimum to meet Desired Flow and Turnover)

One additional factor to consider in filter sizing is bather load. Busier pools require larger filters. Also, larger filters provide longer cycles, reducing everyday maintenance required by the consumer during the pool season.

### Summary

Using the information calculated above, you can properly size the pump, filter, and corresponding equipment, assuring you meet Turnover Rate and Water Velocity requirements while eliminating the electrical waste and potential damage to other system components associated with a needlessly oversized pump.

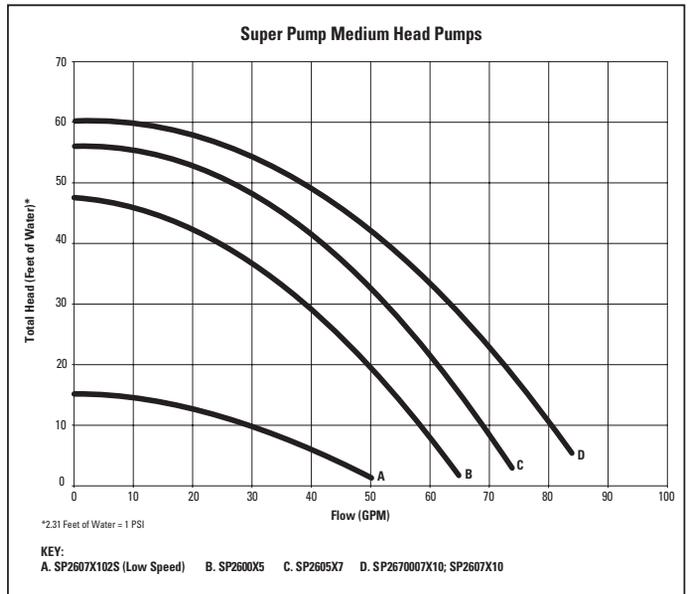
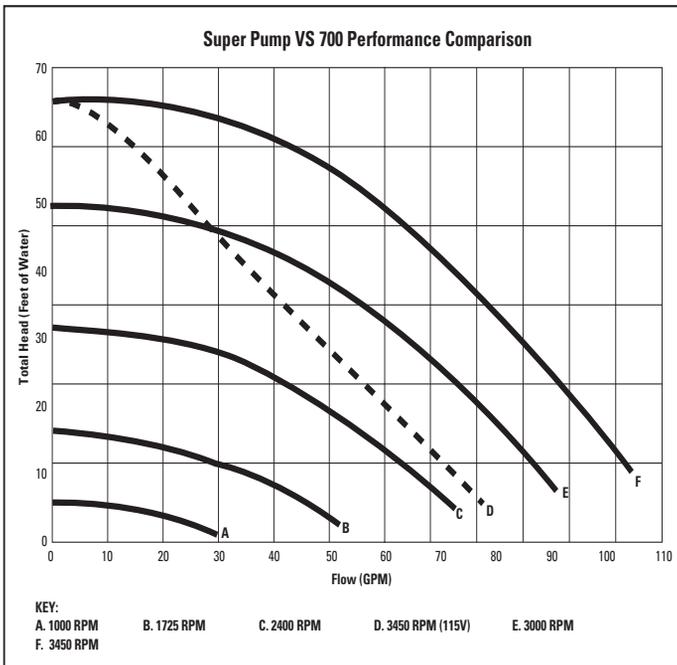
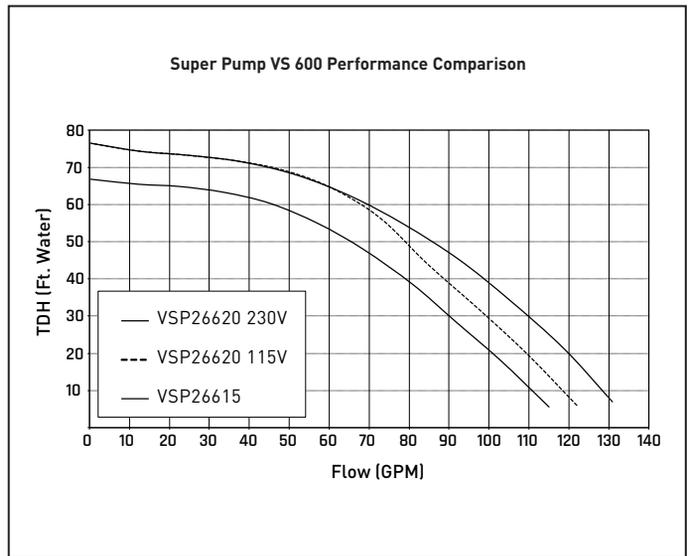
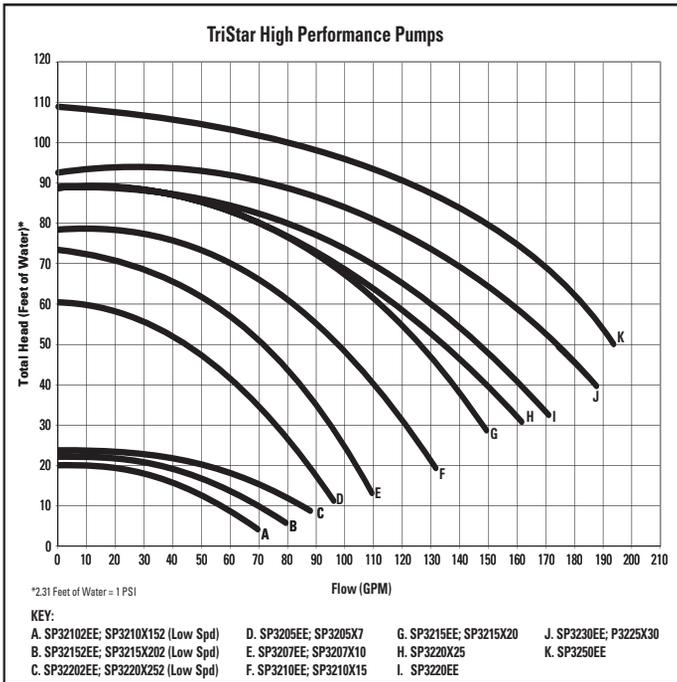
Below are the Performance Curves for Hayward® In-Ground Pumps in Flow (measured in Gallons per Minute) and Total Dynamic Head (measured in Feet of Water). See “Pump Sizing” on p. 19–22 for tips to properly size pumps for both new and existing installations.



# Hydraulics

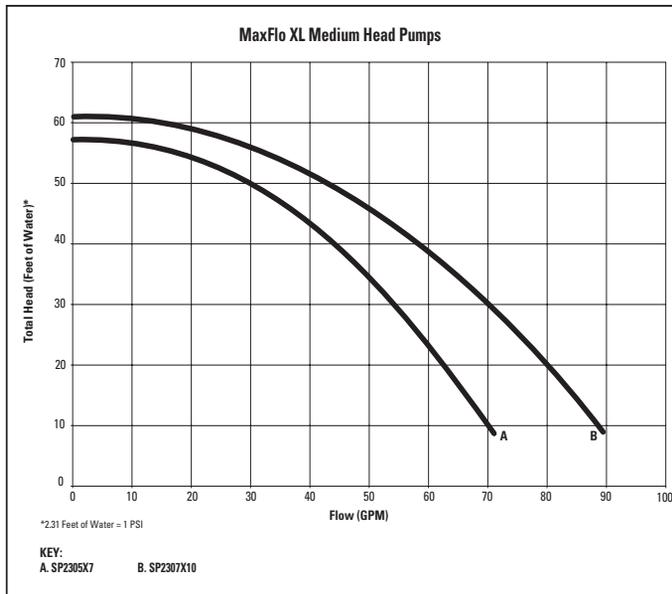
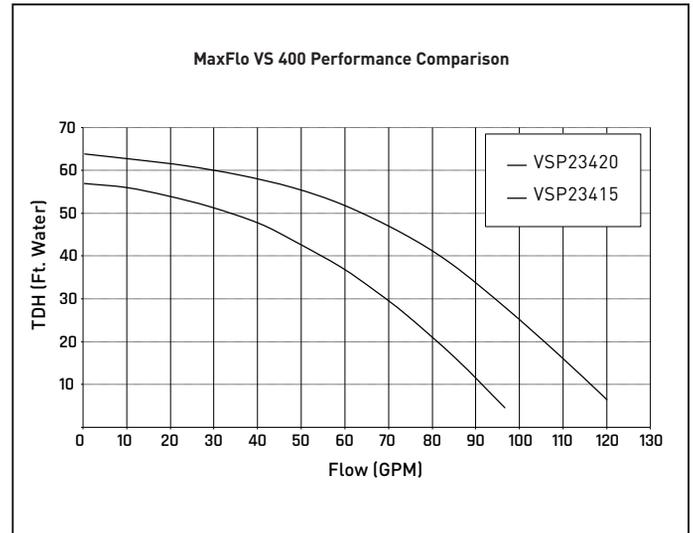
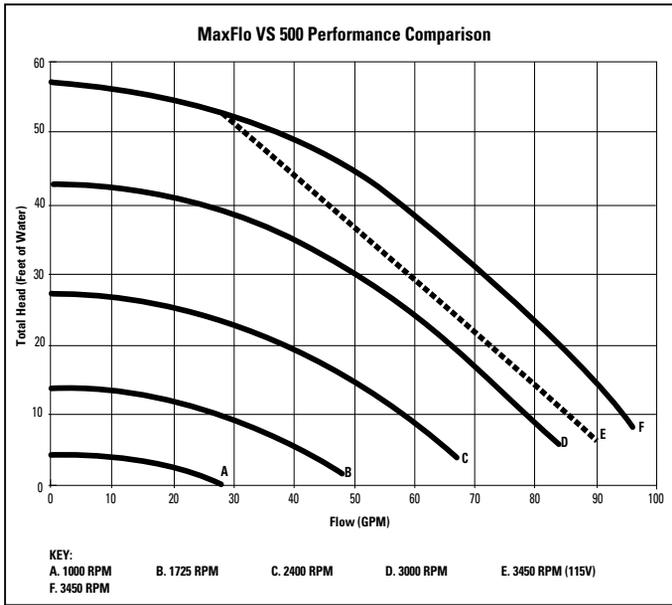
## PUMP PERFORMANCE CURVES (continued)

PUMPS



# Hydraulics

## PUMP PERFORMANCE CURVES (continued)





C4030 SwimClear Filter



C7030 SwimClear Filter

### SwimClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Union Connections	Dimensions Width Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
C2030	225 ft. <sup>2</sup>	2" x 2 1/2"	24" 32 1/2"	15"	1	50 lbs.
C3030	325 ft. <sup>2</sup>	2" x 2 1/2"	24" 34 1/2"	16"	1	60 lbs.
C4030	425 ft. <sup>2</sup>	2" x 2 1/2"	24" 40 1/2"	18"	1	69 lbs.
C5030	525 ft. <sup>2</sup>	2" x 2 1/2"	24" 46 1/2"	22"	1	79 lbs.
HCF7030C	700 ft. <sup>2</sup>	2" x 2 1/2"	24" 52 1/2"	28"	1	85 lbs.

Utilizing a cluster of reusable cartridge elements, SwimClear filters offer a choice of 225, 325, 425, 525 or 700 square feet of heavy-duty dirt-holding capacity for extra-long filter cycles, up to an entire season without cleaning. SwimClear filters will provide years of trouble-free operation and crystal clear, sparkling water.

#### Applications

- In-ground pools
- In-ground pool/spa combinations
- In-ground spas (residential or commercial)

#### Features

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever.
- Filter tanks made from durable glass reinforced co-polymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems.
- Self-aligned tank top and bottom make access to serving the Quad-Cluster™ cartridge elements fast and simple
- Heavy-duty, tamper-proof, one-piece clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections
- Top manifold configuration provides excellent filtration and hydraulic performance
- Non-corrosive top closure plate prevents elements from lifting and allowing unfiltered water to by-pass into pool or spa during operation
- Quad-Cluster of high-quality polyester cartridge elements provide 225, 325, 425, 525 or 700 square feet of filter area for extra dirt-holding capacity and long filter cycles
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance.
- PVC union coupling connection accepts 2" or 2 1/2" piping for plumbing versatility and hydraulic efficiency.
- Full size 1 1/2" integral drain allows for fast, 100% clean-out and easier flushing of tank

#### Performance Data – Public and APSP-15

Model No.	Effective Filtration Area	Public Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C2030	225 ft. <sup>2</sup>	84 GPM	40,320	50,400
C3030	325 ft. <sup>2</sup>	122 GPM	58,560	73,200
C4030	425 ft. <sup>2</sup>	150 GPM	72,000	90,000
C5030	525 ft. <sup>2</sup>	150 GPM	72,000	90,000
HCF7030C	700 ft. <sup>2</sup>	150 GPM	72,000	90,000

Public and APSP-15 Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

\*Determined by pump size and piping system hydraulics. 2" piping is recommended for flow rates above 90 gpm.

## EXPERT LINE

Hayward's newest addition to the SwimClear family is simply the most efficient single element cartridge filter ever produced. It captures more dirt for superior water clarity while the industry's lowest head loss can increase energy savings. SwimClear is the easiest to service: the Easy-Lok™ ring design, comfort grip handles, and lowest lift height provide fast element cleaning and replacement. For energy savings, reliable performance, and the ultimate in service ease, the choice is crystal clear: SwimClear.

### Applications

- In-ground pools
- In-ground pool/spa combinations

### Features

- Captures more dirt for superior water clarity without the need of any supplemental media
- Industry-leading hydraulic efficiency allows the pump to run at a lower speed or less time, which increases energy savings
- Easy-Lok ring design allows quick access to internal components for quick and simple maintenance
- Ergonomic grip handles provide multiple handling locations without touching fiberglass for easy installation and maintenance
- Lowest body height to lift elements for convenient and quick cleaning and replacement
- Recessed pressure gauge and manual air relief enables user to place head assembly upside down on pool pad, protecting the seal from contamination
- 2" x 2 1/2" union connections makes installation and servicing fast and easy



SwimClear Cartridge Filters

## SwimClear Cartridge Filter Buying Guide

Model Number	Effective Filtration		Dimensions		Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
	Area	Union Connections	Width*	Height			
C100S	100 ft. <sup>2</sup>	2" x 2 1/2"	18 1/4"	30 1/2"	12"	1	33 lbs.
C150S	150 ft. <sup>2</sup>	2" x 2 1/2"	18 1/4"	33 3/4"	15"	1	37 lbs.
C200SC	200 ft. <sup>2</sup>	2" x 2 1/2"	18 1/4"	38 3/4"	18"	1	40 lbs.

**NOTE:** \*Based on lock ring — width at base is 13".

### Performance Data – Residential

Model No.	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft. <sup>2</sup>	100 GPM	48,000	60,000
C150S	150 ft. <sup>2</sup>	120 GPM	57,600	72,000
C200SC	200 ft. <sup>2</sup>	120 GPM	57,600	72,000

Residential Design Flow Rate based on 1 GPM/ft.<sup>2</sup>

### Performance Data – Public and APSP-15

Model No.	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C100S	100 ft. <sup>2</sup>	38 GPM	18,240	22,800
C150S	150 ft. <sup>2</sup>	56 GPM	26,880	33,600
C200SC	200 ft. <sup>2</sup>	75 GPM	36,000	45,000

Public and APSP-15 Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

For replacement parts see pages 182-183.



C9002 StarClear Plus Filter

### StarClear Plus Cartridge Filter Buying Guide

Model Number	Effective Filtration		Dimensions		Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
	Area	Pipe Size	Width	Height			
C9002	90 ft. <sup>2</sup>	2" FIP	13 3/8"	30"	19"	1	26 lbs.
C12002	120 ft. <sup>2</sup>	2" FIP	13 3/8"	36"	25"	1	29 lbs.
C17502	175 ft. <sup>2</sup>	2" FIP	13 3/8"	42"	30"	1	32 lbs.

Hayward's StarClear Plus filters offer quality, value and convenience in cartridge filtration. Because of their durable construction, they can handle the most demanding applications and environmental conditions. The precision engineered core provides extra strength and maximum flow. StarClear Plus filters deliver proven performance and value.

#### Applications

- In-ground pools
- In-ground pool/spa combinations

#### Features

- Filter tanks made from durable glass reinforced co-polymer material to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Single piece injection-molded base and body provides added strength for reliable, corrosion-free performance
- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool when cartridge is removed for cleaning
- 2" FIP connections for plumbing versatility
- 1/2" FIP filter drain for fast draining. Also accepts standard spigot valve

#### Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
C9002	90 ft. <sup>2</sup>	90 GPM	43,200	54,000
C12002	120 ft. <sup>2</sup>	120 GPM	57,600	72,000
C17502	175 ft. <sup>2</sup>	120 GPM	57,600	72,000

Residential Design Flow Rate based on 1 GPM/ft.<sup>2</sup>

#### Performance Data – APSP-15

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
C9002	90 ft. <sup>2</sup>	34 GPM	16,200	20,250
C12002	120 ft. <sup>2</sup>	45 GPM	21,600	27,000
C17502	175 ft. <sup>2</sup>	66 GPM	31,680	39,600

APSP-15 Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

\*Determined by pump size and piping system hydraulics.

2" piping is recommended for flow rates above 90 GPM.

Refer to "Friction Loss" in Hydraulics section, pages 20–22.

## EXPERT LINE

Hayward StarClear cartridge filters provide crystal clear water and have extra cleaning capacity to accommodate pools and spas of all types and sizes. For replacement or new pool installations, StarClear sets the standard of excellence and value.

### Applications

- In-ground pools
- In-ground pool/spa combinations
- In-ground, in-deck or moveable spas
- Hot tubs
- Above-ground pools

### Features

- Single locking knob securely fastens head to filter tank, eliminating bolts or clamps
- Attractive, durable filter head may be rotated to conveniently position pressure gauge and manual air relief
- Injection-molded filter tank for dependable, corrosion-free performance
- Extra-large cartridge element with precision engineered core provides extra-strength and maximum flow.
- Elevated, filtered water collector and debris sump prevents accidental by-pass of heavy debris to pool or spa when cartridge is removed for cleaning
- 1 1/2" or 2" FIP, or 2" SKT connections for plumbing versatility
- 1/2" FIP filter drain for fast draining of elevated spas and tubs. Also accepts standard spigot valve



C250 StarClear Filter



C500 StarClear Filter

## StarClear Cartridge Filter Buying Guide

Model Number	Effective Filtration Area	Pipe Size	Dimensions		Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
			Width	Height			
<b>StarClear</b>							
C250	25 ft. <sup>2</sup>	1 1/2" FIP	10 1/2"	19 1/2"	18"	1	13 lbs.
C500	50 ft. <sup>2</sup>	1 1/2" x FIP	10 1/2"	29 1/2"	28"	1	17 lbs.
<b>Micro StarClear™ Cartridge Filters</b>							
Cartridge filters for in-line piping, including spas, hot tubs and above-ground pools.							
C225	25 ft. <sup>2</sup>	1 1/2" FIP	7 1/4"	17 7/8"	—	1	7 lbs.

### Performance Data – Residential

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft. <sup>2</sup>	25 GPM	12,000	15,000
C500	50 ft. <sup>2</sup>	50 GPM	24,000	30,000

### Performance Data – Public

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
C250	25 ft. <sup>2</sup>	9 GPM	4,500	5,625
C500	50 ft. <sup>2</sup>	18 GPM	9,000	11,250

Public Design Flow Rate based on .375 GPM/ft.<sup>2</sup>

\*Determined by pump size and piping system hydraulics.

2" piping is recommended for flow rates above 90 GPM.

Refer to "Friction Loss" in Hydraulics section, pages 20–22.

# XStream® Filtration Series

ABOVE-GROUND FULL-FLO CARTRIDGE FILTER SYSTEMS

**EXPERT LINE**

Filters



CC150CAN XStream Filter

## XStream Filtration Cartridge System Buying Guide

Model Number	Dimensions		H.P.	Ctn. Qty.	Ctn. Weight
	Width	Height			
CC150CAN	21"	33 1/4"	1	1	25 lbs.
CC200CAN	21"	42"	1	1	35 lbs.

**XStream size for an XStream clean. Once you see the XStream filtration from Hayward, you'll be hooked. Its massive size and incredible performance mean years of trouble-free filtration. It has an extra large capacity for dirt and debris and a quick-release, high-capacity air relief valve.**

### Applications

- Above-ground pools/on-ground pools

### Features

- Designed specifically for the rigors of above-ground filtration
- Longer, more efficient filtering life
- Larger filter body ensures an equal distribution of dirt and debris throughout the filtering element
- Engineered for easy use with flexible or rigid plumbing
- Quick release, high capacity air relief valve
- Durable filter tank will provide years of trouble-free operation
- Easy-Lok™ ring design allows quick access to all internal components in a single turn
- Unique safety catch prevents over-tightening of the lid and efficiently secures the filter for high performance operation

Filter	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
CC150CAN	150 ft. <sup>2</sup>	120 GPM	57,600	72,000
CC200CAN	200 ft. <sup>2</sup>	160 GPM	76,800	96,000

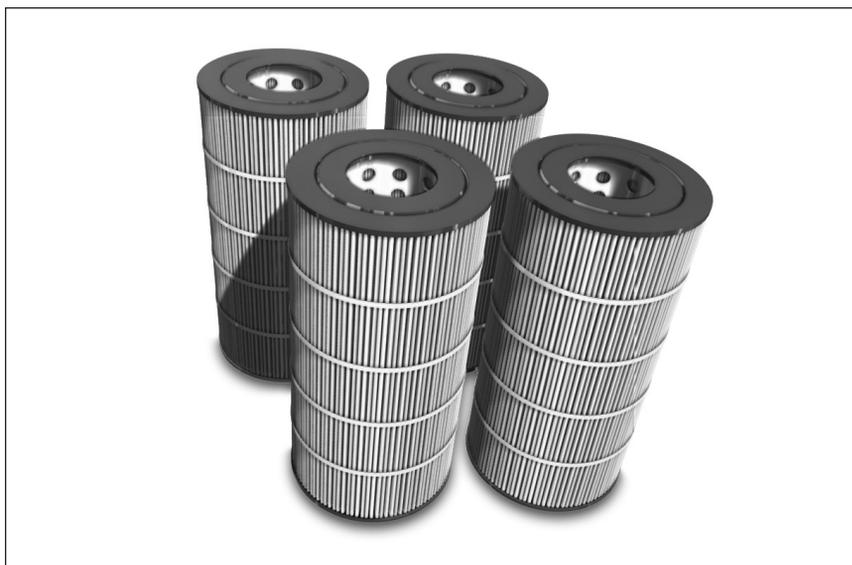
# Genuine Replacement Cartridges

Hayward® replacement cartridges are manufactured with premium materials designed to meet NSF's high quality performance and durability standards. All Hayward cartridges provide maximum hydraulic efficiency, exceptional first pass debris removal, extended filtration cycles, reduced cleaning time and multi-season durability.

Clearly, Hayward Genuine Replacement Cartridges are the only replacement cartridges that will maintain the original filter fit and performance in addition to providing the best overall value.

## Features

- Premium 4 oz. cartridges include NSF certification when used in Hayward filters providing original filtration quality and durability
- Precision engineered molded and extruded cores provide maximum hydraulic efficiency and overall structural stability
- Available in economical 4 pack configurations to accommodate multi-cartridge filters
- Individually packaged with Hayward name and part number molded into uniquely coloured end caps for easy identification as a Hayward Genuine Part
- Compatible with all pool sanitizers



Genuine Replacement Cartridges

## Cartridge Elements Buying Guide

Premium 4 oz Material	Hayward Replacement Cartridge Description	Ctn. Qty.
<b>StarClear &amp; StarClear™ Plus Replacement Cartridges</b>		
CX1000RE	Replacement Cartridge – C100	1
CX1100RE	Replacement Cartridge – C1100	1
CX1200RE	Replacement Cartridge – C1200	1
CX1750RE	Replacement Cartridge – C1750	1
CX1900RE	Replacement Cartridge – C1900	1
CX2020RE	Replacement Cartridge – C2002	1
CX225RE	Replacement Cartridge – C225	1
CX250RE	Replacement Cartridge – C250	1
CX500RE	Replacement Cartridge – C500	1
CX550RE	Replacement Cartridge – C550	1
CX750RE	Replacement Cartridge – C750	1
CX760RE	Replacement Cartridge – C751	1
CX800RE	Replacement Cartridge – C800	1
CX900RE	Replacement Cartridge – C900	1
<b>SwimClear™ Replacement Cartridges</b>		
CX100XRE	Replacement Cartridge – C100S	1
CX150XRE	Replacement Cartridge – C150S	1
CX200XRE	Replacement Cartridge – C200	1
CX1280XRE/CX1280XREPAK4	Replacement Cartridge – C5000/C5020/ C5025/C5030	1
CX480XRE/CX480XREPAK4	Replacement Cartridge – C2000/C2020/C2025	1
CX481XRE/CX481XREPAK4	Replacement Cartridge – C2030	1
CX580XRE/CX580XREPAK4	Replacement Cartridge – C3000/C3020/ C3025/C3030	1
CX590XREPAK4	Replacement Cartridge – C7020	1
CX591XRE/CX591XREPAK4	Replacement Cartridge Element – C7030	1
CX875XRE	Replacement Cartridge – C4520	1
CX880XRE/CX880XREPAK4	Replacement Cartridge – C4000/C4020/ C4025/C4030	1
<b>XStream®, EasyClear™ &amp; Micro StarClear™ Replacement Elements</b>		
CCX1000RE	Replacement Cartridge – CC1000	1
CCX1500RE	Replacement Cartridge – CC1500	1
CCX2000RE	Replacement Cartridge – CC2000	1
CX550RE	Replacement Cartridge – C550	1
CX225RE	Replacement Cartridge – C225	1

# DEP 500 Series

PLEATED ELEMENT D.E. FILTERS

Filters



DEP 500 Series Pleated Element Filter with SP0425 SelectaFlo™ high efficiency valve

**DEP 500 Series pleated element filters combine the convenient maintenance of a cartridge with the superior water clarity of D.E. technology. Long lasting, easy-clean, elements can be backwashed or removed and quickly rinsed. Valves and union kits are sold separately.**

## Applications

- In-ground pools
- In-ground pool/spa combinations

## Features

- Easy-clean elements allow for reduced cleaning time
- Large surface area extends time between cleanings
- Heavy-duty, tamper-proof, one-piece clamp provides quick access to internal components without disturbing plumbing connections
- Flow rating is equivalent to grid D.E. and M.E. cartridge filters, making retrofit installation simple
- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever
- Filter tanks made from durable glass reinforced copolymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Self-aligned tank top and bottom make access to servicing the pleated elements fast and simple
- Inlet diffuser elbow distributes flow of unfiltered water evenly to all filter elements and provides even distribution of D.E. to elements
- Convenient valve and plumbing options allow for customized control
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance

## DEP 500 Series Buying Guide

**EXPERT LINE®**

Model Number	Effective Filtration Area	D.E. Required	Dimensions Width*	Dimensions Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
DEP60	60 ft. <sup>2</sup>	6 lbs.	24"	34 ½"	16"	1	75 lbs.
DEP80	80 ft. <sup>2</sup>	8 lbs.	24"	40 ½"	18"	1	83 lbs.
DEP100	100 ft. <sup>2</sup>	10 lbs.	24"	46 ½"	22"	1	92 lbs.

**NOTES:** All filters include pressure gauge, air relief valve and 1 ½" drain plug.

\*Above dimensions are for filter only. Add 12" for 1 ½" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
<b>Valve and Coupling Selections</b>				<b>OPEN LINE</b>	
SP0425	SelectaFlo	2" SKT x 2 ½" SLIP	4	1	12 lbs.
SP0740DE	SelectaFlo	2" SKT	4	1	9 lbs.
SP0710XR50	VariFlo	1 ½" FIP	6	1	6 lbs.
SP0715XR50	VariFlo	2" FIP	6	1	9 lbs.
DE2400PAK2CS	Coupling	1 ½" SKT x 2" SLIP	—	10	10 lbs.

## Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
DEP60	60 ft <sup>2</sup> / 5.5 m <sup>2</sup>	120 GPM / 454 LPM	57,600 gal / 218 kl	72,000 gal / 273 kl
DEP80	80 ft <sup>2</sup> / 7.4 m <sup>2</sup>	150 GPM / 568 LPM	72,000 gal / 273 kl	90,000 gal / 341 kl
DEP100	100 ft <sup>2</sup> / 9.3 m <sup>2</sup>	150 GPM / 568 LPM	72,000 gal / 273 kl	90,000 gal / 341 kl

**NOTE:** \*2" piping is recommended for flow rates equal to or greater than 90 GPM (341 LPM). Hayward® doesn't recommend flow rates above 150 GPM.

## Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

ProGrid vertical grid D.E. filters provide superior water clarity, efficient flow and large cleaning capacity for pools and spas of all types and sizes. ProGrid combines high-technology features and “service-ease” design for an unparalleled filtration value for both new pool and aftermarket installations.

### Applications

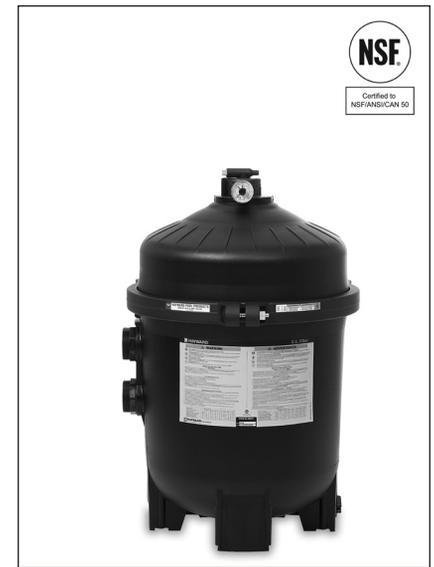
- In-ground pools
- In-ground spas or in-ground pool/spa combinations

### Features

- High capacity, rapid release manual air relief valve bleeds air with a quick quarter turn of the lever
- Filter tanks made from durable glass reinforced copolymer to meet the demands of the toughest applications and environmental conditions, including in-floor cleaning systems
- Self-aligned tank top and bottom make access to servicing the grid elements fast and simple
- Heavy-duty, tamper-proof, one piece flange clamp securely fastens tank top and bottom. Allows quick access to all internal components without disturbing piping or connections.
- High impact grid elements designed for up-flow filtration and top-down backwashing for maximum efficiency
- Integral lift handles and uniform low-profile base make removal of grid nest fast and simple
- Inlet diffuser elbow distributes flow of unfiltered water evenly to all filter elements and provides even distribution of D.E. to grids
- Convenient valve and plumbing options allow for customized control
- 2" full-flow internal piping and plumbing for less resistance to flow and maximum performance
- 72 ft.<sup>2</sup> filter allows for both commercial and large residential applications and years of non-corrosive, trouble-free performance



DE7220 ProGrid Filter



DE3620 ProGrid Filter

## ProGrid D.E. Filter Buying Guide

## EXPERT LINE®

Model Number	Effective Filtration Area	D.E. Required	Dimensions Width*	Height	Clearance for Head Removal	Ctn. Qty.	Ctn. Weight
DE3620	36 ft. <sup>2</sup>	4 ½" lbs.	24"	34 ½"	16"	1	65 lbs.
DE4820	48 ft. <sup>2</sup>	6 lbs.	24"	40 ½"	18"	1	74 lbs.
DE6020	60 ft. <sup>2</sup>	7 ½" lbs.	24"	46 ½"	22"	1	84 lbs.
DE7220	72 ft. <sup>2</sup>	9 lbs.	24"	52 ½"	25"	1	94 lbs.

**NOTES:** All filters include pressure gauge, air relief valve and 1 ½" drain plug.

\*Above dimensions are for filter only. Add 12" for 1 ½" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
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### Valve and Coupling Selections

SP0425	SelectaFlo	2" SKT x 2 ½" SLIP	4	1	12 lbs.
SP0740DE	SelectaFlo	2" SKT	4	1	9 lbs.
SP0710XR50	VariFlo	1 ½" FIP	6	1	6 lbs.
SP0715XR50	VariFlo	2" FIP	6	1	9 lbs.
DE2400PAK2CS	Coupling	1 ½" SKT x 2" SLIP	—	10	10 lbs.

### Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

### Performance Data – Filter

Model Number	Effective Filtration Area	Public Design Flow Rate*	Turnover (In Gallons)		Residential Design Flow Rate**	Turnover (In Gallons)	
			8 Hours	10 Hours		8 Hours	10 Hours
DE3620	36 ft. <sup>2</sup>	72 GPM	34,560	43,200	90 GPM	43,200	54,000
DE4820	48 ft. <sup>2</sup>	96 GPM	46,080	57,600	120 GPM	57,600	72,000
DE6020	60 ft. <sup>2</sup>	120 GPM	57,600	72,000	150 GPM	72,000	90,000
DE7220	72 ft. <sup>2</sup>	144 GPM	69,120	86,400	150 GPM	72,000	90,000

**NOTES:** \*Based on 2 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

\*\*Based on 2.5 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

# D.E. Separation Tank

PLEATED ELEMENT AND VERTICAL GRID D.E. FILTERS

Filters



C9002SEP Separation Tank with 2" FIP connections

Designed for D.E. filters with up to 100 square feet of filtration area, Hayward D.E. separation tanks are ideal for water conservation and savings during backwashing by returning chemically treated backwash water to the pool. Hayward D.E. separation tanks hold up to 10 lbs. of used D.E. filter powder and compliment both new and existing D.E. filter installations.

## Features

- Rugged, reusable polypropylene containment bag holds up to 10 lbs. of used D.E. filter powder
- For pleated element D.E. filters with up to 100 ft.<sup>2</sup> of filtration area
- For vertical grid D.E. filters with up to 80 ft.<sup>2</sup> of filtration area
- Comes complete with 2" FIP or 2" SKT connections for full-flow performance
- Single locking knob for easy access

## D.E. Separation Tank Buying Guide

EXPERT LINE®

Model Number	Pipe Size	Max. D.E. Holding Capacity	Ctn. Qty.	Ctn. Weight
C9002SEP	2" FIP/2" SKT	10 lbs.	1	22 lbs.

**NOTE:** Comes complete with 2" FIP or 2" SKT connections for full-flow performance

### Modular System Base Pak

S200PAK3	Molded platform base for pump and filter. Complete with rigid, sweep union and hardware. Pre-drilled for Super® and Super II™ Pumps. Use 1 ½" VariFlo® Valve.	1	11 lbs.
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**Perflex Extended-Cycle D.E. filters clean pools fast, removing particles as small as one micron the first time through. Its patented Flex-Tube™ design gives longer cycles between cleaning because the same D.E. filter powder is used over and over. Plus, Perflex cleans without backwashing, saving hundreds of gallons of treated pool water. An exceptional value as a replacement filter or for new pool installations. For sparkling, clean pools, step up to Perflex.**

### Applications

- In-ground pools of all types and sizes

### Features

- Exclusive bump handle activates the mechanism causing the Flex-Tubes to instantly and uniformly clean themselves of dirt and filter powder
- Self-venting design automatically expels any air that may be present in the system
- Proven, patented Flex-Tube filter elements efficiently reuse the filter powder and dirt mixture forming a fresh filtering surface
- Combination pressure gauge and threaded inspection/service port is easy to read and remove when filter needs cleaning
- Heavy-duty filter tank injection-molded of high-strength thermoplastic for dependable, corrosion-free performance
- Integral check valve prevents system backflow whenever pump is off

### Performance Data

Model Number	Effective Filtration Area	Public Design Flow Rate*	Residential Design Flow Rate**	Turnover (In Gallons)	
				8 Hours	10 Hours
EC65A	27 ft.2	54 GPM	—	25,920	40,200
EC75A	40 ft.2	80 GPM	—	38,400	48,000
EC65A	—	—	67 GPM	32,200	90,250
EC75A	—	—	100 GPM	48,000	60,000

**NOTES:** \*Based on 2 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

\*\*Based on 2.5 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).



**EC75A Basic Perflex Filter**

### Perflex Buying Guide

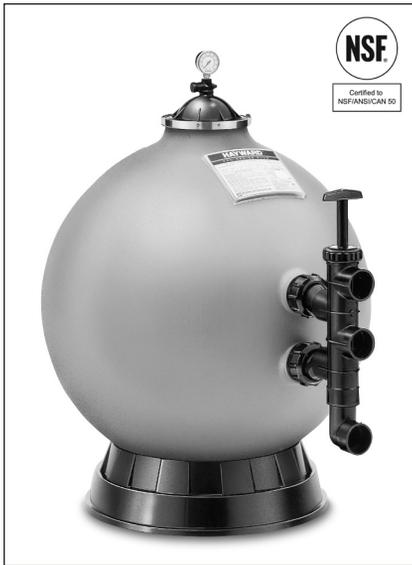
### EXPERT LINE®

Model Number	1 ½"		Check Valve	D.E. Required	Dimensions		Ctn. Qty.	Ctn. Weight
	Drain Valve	Pressure Gauge/ Inspection Port			Width	Height		
EC65A	•	•	•	6 lbs.	21"	31"	1	44 lbs.
EC75A	•	•	•	7 lbs.	21"	31"	1	45 lbs.

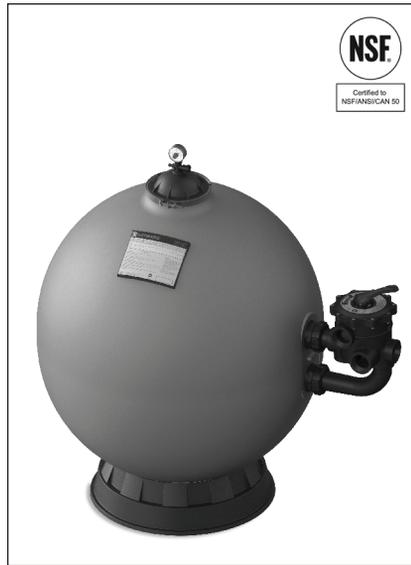
# ProSeries™ Plus

TOP-MOUNT AND SIDE-MOUNT SAND FILTERS

Filters



**S311SXV ProSeries Plus 31" Filter with 2" Slide Valve**



**S360SX ProSeries Plus 36" Filter**

## ProSeries Plus Sand Filter Buying Guide **EXPERT LINE®**

Model Number	Side/Top Mount	Valve	Sand Capacity	Dimensions Width**	Height	Ctn. Qty.	Ctn. Weight
S311SXV	Side	Slide Valve	350 lbs.	31"	38 5/8"	1	78 lbs.
S360SX	Side	Not Included*	700 lbs.	36"	46"	1	95 lbs.
S360T2	Top	2" VariFlo	700 lbs.	36"	53"	1	134 lbs.

**NOTES:** \*Order valve separately – See "Valve and Coupling Selections" Buying Guide below.  
 \*\*Above dimensions are for filter only. Add 12" for 1 1/2" and 14" for 2" side mount multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
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Valve and Coupling Selections				OPEN LINE	
SP0710X62	VariFlo Side Mount	1 1/2" FIP	6	1	6 lbs.
SP0715X62	VariFlo Side Mount	2" FIP	6	1	9 lbs.
SP071621	VariFlo Top Mount	2" FIP	6	1	8 lbs.
SP0410X602S	VariFlo Side Mount	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling (2)	1 1/2" SKT x 2" SLIP	—	10	12 lbs.

Incorporating the many advanced features of Hayward's ProSeries top-mount and side mount sand filters, the ProSeries Plus satisfies the requirements of the most demanding installations, including pools installed with in-floor cleaning systems, spas, fountains or solar heating systems.

### Applications

- Suitable for residential and semi-commercial applications
- In-ground pools installed with in-floor cleaning systems, solar heating systems, water features
- In-ground spas or in-ground pool/spa combinations

### Features

- Durable, flanged inspection cover provides convenient access to top of side mount filters
- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Top diffuser ensures even distribution of water over the top of the sand media bed. All internal piping is 2" to give smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof, spherical filter tank molded of rugged, colourfast polymeric material for maximum strength and longer life
- Optional valve and coupling selections for plumbing ease and versatility. Choose from 6-position VariFlo® valve, 2-position slide valve or 1 1/2" SKT x 2" SLIP connectors for multiple (tandem) filter installations
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

### Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S311SXV	4.95 ft. <sup>2</sup>	99 GPM	47,520	59,400
S360SX	6.50 ft. <sup>2</sup>	130 GPM	62,400	78,000
S360T2	6.50 ft. <sup>2</sup>	130 GPM	62,400	78,000

\*Based on 20 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

### Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP071621	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature an advanced, self-cleaning lateral underdrain system for smooth, efficient flow and totally balanced backwashing. For crystal clear water with minimal care, pool professionals choose ProSeries.

### Applications

- In-ground pools of all types and sizes
- In-ground spas (residential or commercial)
- Water features (fish ponds, fountains, water gardens)

### Features

- Durable, flanged inspection cover provides convenient access to top of filter
- Top diffuser ensures even distribution of water over the top of the sand media bed
- Automatic air relief purges any trapped air during operation of the filter system
- Unitized, corrosion-proof filter tank molded of rugged, colourfast polymeric material for dependable, all weather performance
- Large pressure sand/water drain for rapid winterizing or servicing
- 6-position Hayward VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the 6 valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

### Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S210S	2.20 ft. <sup>2</sup>	44 GPM	21,120	26,400
S244S	3.14 ft. <sup>2</sup>	62 GPM	29,760	37,200
S310S	4.91 ft. <sup>2</sup>	98 GPM	47,040	58,800

\*Based on 20 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

### Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0710X62	•	•	•	•	•	•
SP0715X62	•	•	•	•	•	•
SP0410X602S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—



**S244S ProSeries 24" Filter with 1 1/2" VariFlo Control Valve**



**S310S ProSeries 30" Filter with optional 2" VariFlo Control Valve**

## ProSeries Buying Guide

EXPERT LINE®

Model Number	Valve	Sand Capacity	Dimensions Width**	Height	Ctn. Qty.	Ctn. Weight
S210S	1 1/2" VariFlo	200 lbs.	20 1/2"	32 1/8"	1	46 lbs.
S244S	1 1/2" VariFlo	300 lbs.	24 1/2"	36"	1	53 lbs.
S310S	Not Included*	500 lbs.	30 1/2"	40"	1	76 lbs.

**NOTES:** \*Order valve separately—See "Valve and Coupling Selections" Buying Guide below.

\*\*Above dimensions are for filter only. Add 12" for 1 1/2" and 14" for 2" multiport valves. Add 7" for 2" slide valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
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### Valve and Coupling Selections

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
SP0710X62	VariFlo	1 1/2" FIP	6	1	6 lbs.
SP0715X62	VariFlo	2" FIP	6	1	9 lbs.
SP0410X602S	Slide Valve	2" SKT	2	1	4 lbs.
DE2400PAK2CS	Coupling (2)	1 1/2" SKT x 2" SLIP	—	10	12 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
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### Modular System

Model Number	Description	Ctn. Qty.	Ctn. Weight
S200PAK3	Heavy-duty, molded platform base for pump and filter. Complete with rigid, clear sweep union and hardware. Pre-drilled for MaxFlo™, Super® and Super II™ Pumps. Use 1 1/2" VariFlo Valve.	1	11 lbs.

# ProSeries™

TOP-MOUNT SAND FILTERS – S220T, S220T2, S244T, S244T2, S270T, S270T2 AND S310T2 MODELS

Filters



**S244T2 ProSeries 24" Filter with 2" VariFlo Control Valve**



**S310T2 ProSeries 30" Filter with 2" VariFlo Control Valve**

**ProSeries high-rate sand filters are molded of durable, corrosion-proof material for long-lasting performance. They feature attractive, unitized tank construction for years of trouble-free operation with only minimal care. ProSeries sets the standard for performance, value and dependability.**

### Applications

- In-ground pools of all types and sizes
- In-ground spas (residential or commercial)
- Water features (fish ponds, fountains, water gardens)

### Features

- Flange clamp design allows 360° rotation of valve to simplify plumbing
- Integral top diffuser ensures even distribution of water over the top of the sand media bed. Full-size internal piping provides smooth, free-flowing performance
- Large pressure sand/water drain for rapid winterizing or servicing
- Unitized, corrosion-proof filter tank molded of rugged, colourfast polymeric material for dependable, all-weather performance
- 6 position Hayward 2" VariFlo® control valve with easy-to-use lever-action handle lets you dial any of the valve/filter functions. Integral sight glass lets you see when backwash cycle is completed
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability

## ProSeries Buying Guide

**EXPERT LINE®**

Model Number	Valve	Sand Capacity	Dimensions		Ctn. Qty.	Ctn. Weight
			Width	Height*		
S220TC	1 1/2" VariFlo	250 lbs.	22 1/2"	41"	1	44 lbs.
S244TC	1 1/2" VariFlo	300 lbs.	24 1/2"	42"	1	46 lbs.
S244T2	2" VariFlo	300 lbs.	24 1/2"	42"	1	46 lbs.
S270T2	2" VariFlo	350 lbs.	27"	43"	1	56 lbs.
S310T2	2" VariFlo	500 lbs.	30 1/2"	48"	1	68 lbs.

**NOTE:** \*Above dimensions are to top of valve.

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
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### Valve Selections

SP0714T	VariFlo	1 1/2" FIP	7	1	5 lbs.
SP071621	VariFlo	2" FIP	6	1	8 lbs.

### Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate*	Turnover (In Gallons)	
			8 Hours	10 Hours
S220T/T2	2.64 ft. <sup>2</sup>	52 GPM	24,960	31,200
S244T/T2	3.14 ft. <sup>2</sup>	62 GPM	29,760	37,200
S270T/T2	3.70 ft. <sup>2</sup>	74 GPM	35,520	44,400
S310T2	4.91 ft. <sup>2</sup>	98 GPM	47,040	58,800

\*Based on 20 GPM/ft.<sup>2</sup> (maximum allowable NSF rating).

### Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed	Winter
SP0714T	•	•	•	•	•	•	•
SP071621	•	•	•	•	•	•	—

ProSeries sand filters are high performance filters that blend superior flow characteristics and features with ease of operation. For use in multiple applications, Pro Series will provide clear, sparkling water for years to come.

#### Applications

- Above-ground/on-ground pools
- Small in-ground pools
- Aquariums (salt or fresh water)
- Ponds

#### Features

- Durable filter tank for long-lasting, all-weather performance
- 7-position VariFlo® valve provides maximum flow at lower pressure drop
- Large pressure sand/water drain for rapid winterizing or servicing
- Flange clamp design allows 360° rotation for easy installation
- Integral top diffuser ensures even distribution of water over the entire sand bed for maximum use of the filtration area
- Precision engineered umbrella-fold self cleaning laterals for balanced flow and backwashing, plus easy serviceability



**S166T ProSeries 16" Filter with VariFlo Control Valve**



**S180TC ProSeries 18" Filter with VariFlo Control Valve**

### ProSeries Filter Buying Guide

Model Number	Filter Control Valve	Filter Base	Sand Capacity	Dimensions		Ctn. Qty.	Ctn. Weight
				Width	Height		
S166T	SP0714T	•	100 lbs.	16 ½"	33"	1	25 lbs.
S180TC	SP0714T	•	150 lbs.	18 ½"	35"	1	32 lbs.
S210TC	SP0714T	•	200 lbs.	20 ½"	38"	1	37 lbs.

**NOTE:** S166T includes snap-on molded pump base.

#### Performance Data – Filter

Model Number	Effective Filtration Area	Design Flow Rate	Turnover (In Gallons)	
			8 Hours	10 Hours
S166T	1.40 ft. <sup>2</sup>	30 GPM	14,400	18,000
S180TC	1.75 ft. <sup>2</sup>	35 GPM	16,800	21,000
S210TC	2.20 ft. <sup>2</sup>	44 GPM	21,120	26,400

#### Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed	Winter
SP0714T	•	•	•	•	•	•	•

# Filtration

## THREE METHODS OF FILTRATION

**The importance of proper swimming pool or spa filtration can not be overstated. The reasons for filtration are obvious — clear water not only looks beautiful, but it is also necessary for health and safety reasons. Much of the material suspended in the water, derived from plant and animal sources, provides food for bacteria and algae. It is these materials that must be removed if a pool or spa is to be maintained in a safe and sanitary condition.**

**The three most popular types of filtration currently in use in residential pools and spas are high-rate sand, cartridge and diatomaceous earth (D.E.). Each method of filtration is explained below.**

### High-Rate Sand

The oldest and most popular method of filtration is sand. Sand filters share two things in common: 1) When in the filtration mode, water always flows from top to bottom; 2) They all have some sort of lateral or underdrain with slots to hold back sand while allowing clean, filtered water to pass through.

High-rate sand filters use a special filter sand, normally .45 to .55 mm (also known as pool-grade #20 silica sand), because it has sharp edges that serve to separate particles, allowing filtration to take place. They operate on the basis of "depth" filtration; dirt is driven through the sand bed and trapped in the minute spaces between the particles of sand. Initially, a clean sand bed will remove larger particles, and then, as the bed starts to load up, it will remove finer particles.

Cleaning of the media, or sand bed, is accomplished through reversing the flow through the filter, to the "waste" line. This is known as backwashing.

### Cartridge

Cartridge filtration has been available for a relatively long time, but only recently has it begun to enjoy rapid growth and acceptance.

When water passes through a cartridge filter, dirt is screened out at the surface of the cartridge element. When clean, the element will trap larger particles, with finer particles being filtered out as the pores of the element become clogged by the larger debris.

The cartridge element can be removed and cleaned by pressure washing inside and out with a garden hose.

A key benefit of cartridge filtration is that it does not require a backwash valve. This reduces head loss which, in turn, improves the efficiency of the overall system.

### Diatomaceous Earth (D.E.)

Many pool professionals consider D.E. filtration to be the finest, because it is capable of removing smaller particles than either sand or cartridge.

Diatomaceous earth is a porous powder with microscopic openings, that, when magnified, look like tiny sponges. Clear water can pass through these openings, but particles, as small as five microns, are trapped the first pass through the media.

All D.E. filters have internal elements that become coated with D.E. It is this "filter cake" that strains dirt, dust, algae and some forms of bacteria from the water.

Similar to sand filters, when a D.E. filter becomes dirty, it is cleaned either by backwashing the clogged D.E. to the "waste" line or regenerating and draining. To restore filtration, a fresh "charge" of D.E. is added to the filter.

### Water Chemistry

Whatever method of filtration is selected, it is important to remember that filtration alone does not keep water looking its best. Proper water chemistry must also be maintained for safe, clean water. Most pool owner complaints are directly related to water chemistry or improper sizing of filters and pumps rather than equipment failures.

### Technical Data – Filtration

Filtration Method	Suggested Filtration Rate		Approximate Filtration Range (Microns)
	Residential (GPM/ft. <sup>2</sup> )	Commercial (GPM/ft. <sup>2</sup> )	
High-Rate Sand	20	20	20 to 40
Cartridge	1*	.375	10 to 20
Diatomaceous Earth	2.5	2	5

**NOTE:** \*Use Commercial Filtration Rate (.375 GPM/ft.<sup>2</sup>) to meet APSP-15 Sources: (1) NSPI. Basic Pool & Spa Technology (2/88 Edition; Section 1.4: Filters)

(2) Hayward Pool Products Technical Bulletin TMF-12.

For proper filter sizing techniques, please see "Filter Sizing" section 4B on pages 19-22.



High-Rate Sand Filter



Cartridge Filter



Vertical Grid Diatomaceous Earth (D.E.) Filter

Engineered to be just as high-performing as our industry-leading HeatPro heat pump, the HeatPro VS heat pump leverages variable-speed technology to maximize energy and cost savings while minimizing operational noise. As the first AHRI-certified inverter-driven variable-speed heat pump in North America, it features a vertical discharge fan that allows for easy installation in any in-ground pool pad. With efficient operation in even the coldest ambient temperatures, it's the smartest way for any pool owner to get more out of their investment.

**Applications**

- In-ground pools

**Features and Benefits**

- Inverter-driven variable-speed technology features best-in-class part-load COP and incredibly quiet operation
- Intuitive control panel provides a seamless user experience via touchscreen digital display
- Vertical discharge fan allows for versatile installation in any in-ground pool pad
- Heat and Cool. This heat and cool heat pump, together with low ambient temperature feature, will extend the swimming season
- Soft Start driven by inverter technology, it gives customers no excessive inrush current during the starting process
- Titanium heat exchanger offers superior corrosion resistance to fight against damage and premature failure caused by unbalanced water chemistry
- AHRI certification means independent lab testing confirms product performance and value



HP51202T HeatPro VS

**Specifications & Dimensions**

Model Number	HP51202T	HP50952T
<b>BTU Heating Capacity</b>		
80/80/80*	120,000	97,000
80/80/63*	112,000	92,000
50/80/63*	65,000	60,000
<b>BTU Cooling Capacity</b>		
95/90/80*	48,000	42,000
<b>Coefficient of Performance, Heating</b>		
80/80/80*	5.8	5.3
80/80/63*	5.5	5.1
50/80/63*	4.0	4.0
Compressor Speed	Variable	Variable
Fan Speed	Variable	Variable
Minimum Operating Temperature	40°F	40°F
Cool Down Temperature	54°F	54°F
Power Supply	208-230V/60 Hz/1 Ph	208-230V/60 Hz/1 Ph
kW Input (80/80/80)	6.1	5.4
Minimum Circuit Amps	45	43
Maximum Fuse Breaker Size	60	60
Water Flow Rate (min/max)	28/75 GPM	25/75 GPM
Water Connection	2" Socket x 2.5" Spigot Union	2" Socket x 2.5" Spigot Union
Refrigerant	R410A	R410A
Unit Dimensions	36.2" D x 33.8" W x 44.2" H	36.2" D x 33.8" W x 44.2" H
Unit Weight	286 lbs.	251 lbs.
Unit Shipping Dimensions	42.3" D x 39.2" W x 48.0" H	42.3" D x 39.2" W x 48.0" H
Unit Shipping Weight	381 lbs.	346 lbs.

**NOTE:** \*Ambient Air Temperature/Water Temperature/Relative Humidity

# Heat Pumps

## VARIABLE-SPEED HEAT PUMPS

Heating



HP55CLEE1 Variable-Speed Heat Pump

The high performance, energy-efficient Hayward Variable-Speed heat pumps quietly and economically maintain your ideal water temperature at all times and have up to 50% higher energy savings than traditional heat pumps. Featuring a super quiet Mitsubishi inverter compressor and variable-speed ventilation system, which provides an extremely quiet swimming environment, while maintaining the perfect pool temperature at all times.

### Applications

- In-ground pools
- Above ground pools

### Features

- Industry-leading energy efficiency with up to 50% higher energy savings than traditional heat pumps
- Soft start technology leads to lower energy consumption
- Up to 10 times quieter vs. traditional heat pumps
- Soft start technology starts at zero and slowly increases to a higher speed, leading to a stable current and lower energy consumption
- Designed to operate at low ambient temperatures to extend the swimming season earlier in the spring and later in the fall
- 47°F minimum cooling setting

## Variable-Speed Heat Pump Buying Guide EXPERT LINE®

Model Number	BTU	Compressor	Voltage Phase	Circuit Amps	Diameter Width x Depth	Height	Weight (lbs.)
<b>Side Fan</b>							
HP55CLEE1	54,000	Rotary	208-230V	24	41 x 18"	30"	155
HP60CLEE1	60,000	Rotary	208-230V	25	41 x 18"	30"	200
HP80CLEE1	79,000	Rotary	208-230V	32	46 x 19"	34"	265
<b>Top Fan</b>							
HP115CLEE1	115,000	Rotary	208-230V	45	32" x 33"	42"	240
HP140CLEE1	140,000	Rotary	208-230V	50	32" x 33"	42"	273

Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature. If you are looking to warm your water to extend swim season, cool your water in warm or arid climate conditions, or chill your water down to 40°F for a cold plunge, we have the ideal lineup including three heat only options and three heat+chill options.

**Applications**

- In-ground pools

**Features and Benefits**

- **Chills down to 40°F.** Chills to low temperatures so you can get all the benefits out of your next cold plunge\*
- **Industry-Leading Cooling Capacity.** 30% increased cooling capacity compared to competitive technology is ideal for desert regions or warm climates.\*
- **Improved Heating in Cool Weather.** A patent pending defrost algorithm provides improved heating capacity below 50 degrees Fahrenheit so you can extend swim season.
- **Robust Coil Structure.** Protects against fin damage during installation and outdoor impacts.
- **Best in Class Corrosion Resistance.** Trivalent Chromium Process (TCP) coating developed in connection with the United States government for durability in the harshest climates.
- **Weight Reduction.** Up to 50 pounds lighter than traditional evaporator coils.
- **Less Complexity.** 85% reduction in braze joints means fewer leak opportunities.
- **Less Refrigerant.** Significant reduction in refrigerant means lower environmental impact
- **New Degree of Control.** Add Omni automation for remote temperature control and intuitive scheduling
- **Lower Panel Loading.** 40 amp breaker can be used on 110K and 120K BTU/hr units

\*Heat+Chill models only



HeatPro MCHX Series Electric Heat Pump

Heating

**HeatPro MCHX Series Buying Guide**

Model Number	Unit Shipping Dimensions (LxWxH)	Rated Voltage	Recommended Breaker Size	Ctn. Qty.	Shipping Weight
<b>Heat Only</b>					
HP21105T	36.5" x 31" x 49"	230V~ 60Hz 1Ph	40A	1	278 lbs.
HP21205T	36.5" x 31" x 49"	230V~ 60Hz 1Ph	40A	1	281 lbs.
HP21405T	36.5" x 31" x 49"	230V~ 60Hz 1Ph	50A	1	281 lbs.
<b>Heat + Chill</b>					
HP31105T	36.5" x 31" x 49"	230V~ 60Hz 1Ph	40A	1	285 lbs.
HP31205T	36.5" x 31" x 49"	230V~ 60Hz 1Ph	40A	1	288 lbs.
HP31405T	36.5" x 31" x 49"	230V~ 60Hz 1Ph	50A	1	288 lbs.



**ADD OMNI® AUTOMATION FOR A NEW DEGREE OF CONTROL.**

The industry-best HeatPro gets even better when you pair it with top-rated Omni automation—offering advanced management of temperature, runtime and a whole lot more.

# Universal HC Series

DUAL-FUEL TECHNOLOGY GAS HEATER

**EXPERT LINE**



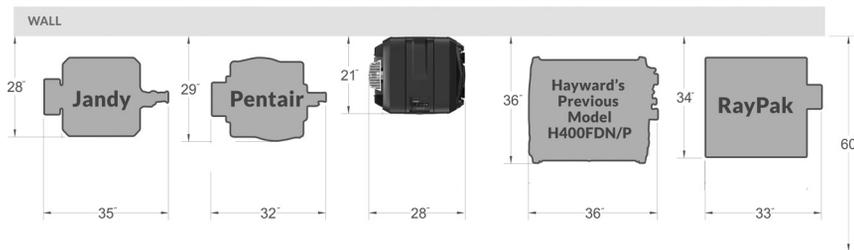
Universal HC Series Heater

## Specifications & Dimensions

Model Number	BTU	Supply Voltage	Water Connections	Heater Size W x D x H	Footprint Size		Weight (lbs.)	
					W x D	Unit	Ship	
HDF400	400,000	240/120 VAC	2"/2.5"	28" x 21" x 31"	21" x 21"	135	170	
HDF275	275,000	240/120 VAC	2"/2.5"	28" x 21" x 31"	21" x 21"	131	166	

**NOTE:** For applications of 2000-10000 ft, the HDF400 requires a high altitude kit (HDXFHIALT400 / HDXFINVNT275) but the HDF275 is good for up to 10000 ft out of the box.

## The Industry's Smallest-Footprint Heater\*



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Universal HC Series dual-fuel technology gas heaters are uniquely engineered for use with Hayward® plumbing adapters, making them an easy drop-in replacement for other heater brands. The heat exchanger is made from cupro nickel for added reliability, and the easy-out air/gas mixing orifice makes propane conversion fast and simple. The small footprint with zero wall clearance fits in even the most compact equipment pads, while the refined gas controls and remote connectivity provide a simple user experience with added service convenience.

### Applications

- Outdoor or indoor

### Features

- Top-access design eliminates the need to remove side panels and kneel during service
- Low NOx emissions meet clean air quality standards and offer premium heating performance
- Cupro nickel heat exchanger comes standard, protecting against water corrosion and natural wear
- Zero wall clearance ensures a seamless fit in smaller equipment pads and tight spaces
- Easy-out mixing orifice allows for easy in-field conversion between natural gas and propane
- Quick-access reversible top easily swaps plumbing from right to left while providing access to gas shutoff, voltage selection and more, all via a single fastener
- Compact, lightweight design makes installation easy in any environment
- Integral tie-down connections on the base make for easy hand truck transport with no extra tie-down brackets required
- Patented butterfly bypass valve enables flow rates up to 125 GPM without extra accessories
- Exclusive plumbing adapters allow for simple drop-in replacement with no pipe cutting required
- 3" PVC to supply air directly to the heater
- 4" venting for positive/horizontal applications with no Hayward specific adapter required
- Direct air (intake) vent option available

\*Among leading competitive brands

# Adapter Kit

FOR UNIVERSAL H-SERIES HEATERS

Hayward Universal H-Series heaters offer major energy and cost savings compared to other leading brands—and it's never been easier to upgrade from a Pentair or Jandy heater to a Universal H-Series heater than with this first-of-its-kind adapter kit. It eliminates the need for site re-plumbing of water piping attached to the equipment pad, saving both time and hassle.

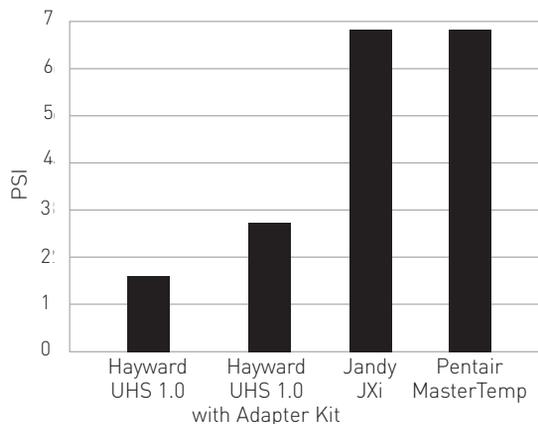
## Applications

- Replaces Jandy JXi heater with Hayward Universal H-Series heater or the HC series
- Replaces Pentair MasterTemp heater with Hayward Universal H-Series heater

## Features and Benefits

- Convenient to install; just align, adapt, and connect
- Compatible with existing water plumbing, saving time and cost
- Greatly decreases heater pressure drop for better overall heating performance.
- Innovative, low-profile configuration

## MEASURED PRESSURE DROP AT 60 GPM



Adapter Kit for Universal H-Series Heaters

## Adapter Kit Buying Guide

Kit Number	Description	Ctn. Qty.	Ctn. Weight
UHXWJAK1930	Adapter Kit to replace Jandy JXi Heater with Universal H-Series Heater	1	4.2 lbs.
UHXWPAK1930	Adapter Kit to replace Pentair MasterTemp Heater with Universal H-Series Heater	1	4.2 lbs.



Adapter Kit for Universal H-Series Heaters

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# Universal H-Series Low NOx

FOR IN-GROUND POOLS AND SPAS

EXPERT LINE

Heating



H400FDN Universal H-Series Low NOx Heater

The Hayward Universal H-Series gas heater is the “universal” energy efficient remedy for any new or existing pool or spa. An industry leading hydraulic design reduces circulation pump run time to provide energy savings of up to 18% when compared to less efficient competitors. The energy efficiency of the Universal H-Series gas heater combines with environmentally friendly low NOx emissions, a standard cupro nickel heat exchanger and ultimate installation flexibility on new or existing equipment pads to responsibly heat a pool or spa today and for years to come.

The forced draft system in the Universal H-Series constantly moves air through the combustion chamber at a precise flow rate eliminating outside weather variables that can affect heating performance. Wind conditions are eliminated and there is no need to install a high-wind stack.

**Note:** Hayward Universal H-Series heaters meet or exceed the South Coast Air Quality Management District (SCAQMD Rule 1146.2). Low NOx emissions standards in all Low NOx areas that apply the SCAQMD standard.

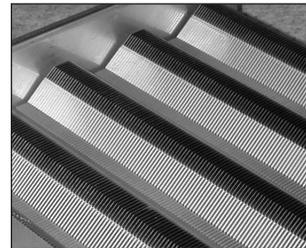
## Specifications & Dimensions

Model Number	Gas Type	BTU Input	Thermal Efficiency	Heater Width	Ctn. Qty.	Ctn. Weight
<b>120V/240V 60 Hz with Silicon Nitride Hot Surface Ignition</b>						
H150FDN	Natural	150,000	82.7%	19"	1	150 lbs.
H150FDP	Propane					
H200FDN	Natural	199,900	83.0%	22"	1	160 lbs.
H200FDP	Propane					
H250FDN	Natural	250,000	84.0%	25"	1	170 lbs.
H250FDP	Propane					
H400FDN	Natural	399,900	84.0%	34"	1	214 lbs.
H400FDP	Propane					

**NOTE:** All models include Cupro Nickel Long Life Heat Exchanger.

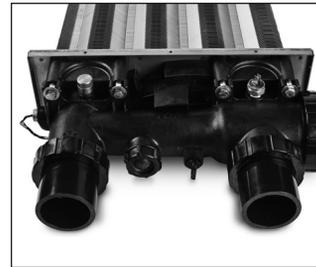
**FOR INDOOR/OUTDOOR USE**  
(Indoor use requires vent kit)

### State-of-the-Art Fin Plate Heat Exchanger with Cupro Nickel



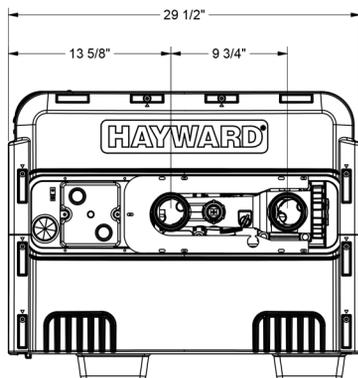
All Hayward heat exchangers are constructed of highly resilient Cupro Nickel for greater durability and longevity even in salt-based, high flow, or aggressive water chemistry conditions. Our patented single header “V” baffle design heat exchangers provide for long life and fast heating.

### Patented Bypass Design for Superior Hydraulic Performance

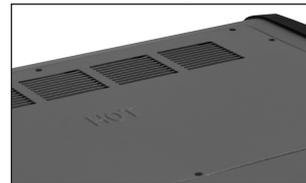


Patented polymer header design provides superior hydraulic performance to save energy and protect against the damaging effects of erosion from high flow conditions for greater reliability. 2" x 2 1/2" CPVC unions are perfect for today's larger diameter hydraulically efficient plumbing systems.

### Overall Dimensions (inches)



### Forced Draft System



Forced draft system constantly moves air through the combustion chamber at a precise flow rate, eliminating all outside weather variables that can effect the heating performance, such as high wind conditions — without a high wind stack.

### L.E.D. Control Panel



Easy-to-read L.E.D. Control Panel provides digital temperature readout, diagnostics and electronic “lock-out” of temperature set-point.

### Negative vs. Positive Vent Pressure

#### NEGATIVE vent pressure

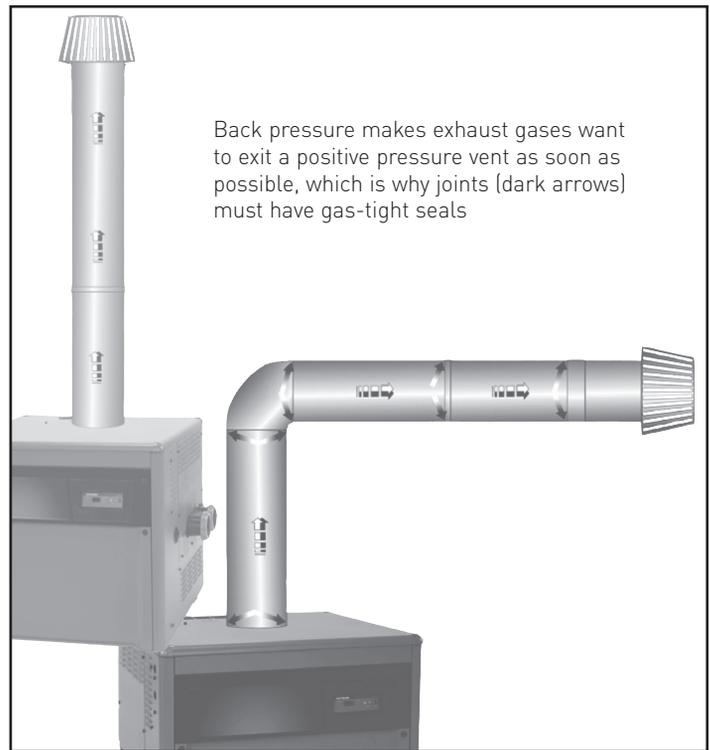
By definition, gases inside a negative pressure vent are under no pressure to escape and will simply exit upward (since hot air rises) through a properly designed, mostly vertical Negative Vent System.

**Vent joints in a negative pressure do NOT need to be gas-tight, but may need to be taped if required by local codes.**

#### POSITIVE vent pressure

By definition, gases inside a positive pressure vent are under pressure to escape and will as soon as possible. However, allowing exhaust gases to escape through system leaks would be unacceptable and potentially fatal.

**Therefore, vent joints in a positive vent system must be gas-tight, which requires installation of special vent piping.**



### As a General Rule ...

- A negative pressure system must be mostly vertical and must have vertical termination
- A positive pressure system may be mostly horizontal and may utilize horizontal or vertical termination.

### Vent Sizing

Vents must be sized according to heater manufacturer specs. Below are general specifications for Negative and Positive venting of Hayward IDL, IDL2 and Universal H-Series heaters.

Negative	Positive
50 ft. max vertical height	Positive venting solutions must be utilized any time negative vent criteria cannot be attained.
25 ft. max horizontal length	50 ft max with 1 elbow
Horizontal length cannot exceed 1/2 of vertical height	40 ft max with 2 elbows
3 elbows max.	30 ft max with 3 elbows
Single- or Double-Wall Galvanized <u>Non-Sealed</u> Vent Pipe.	Single- or Double-Wall Stainless Steel <u>Sealed</u> Vent Pipe.

# Universal H-Series Indoor Vent Kit Matrix

## INDOOR VENT ADAPTER KITS

### Indoor Vent Adapter Kits HORIZONTAL Venting – POSITIVE Pressure

This Kit enables indoor installation where the exhaust vent pipe termination is horizontal with stainless steel vent pipe and vent terminals special ordered from M&G DuraVent Inc., or from Heatfab Division of Selkirk Corporation. This Kit **DOES NOT** allow the use of galvanized, non-sealed pipe.

Universal H-Series Model No.	Kit Part Number: HORIZONTAL Venting Applications (POSITIVE Pressure)	Vent Pipe Diameter	Vent Termination Requirement	Vent Pipe Material	Vent Pipe Limitations	Description
H150FD	UHXPOSHZ11506	6 inch (Natural / LP)	HORIZONTAL or VERTICAL Termination Immediately Outside Wall of House / Building	Single or Double Wall STAINLESS STEEL SEALED Vent Pipe	(50) Foot MAXIMUM with (1) ELBOW	Indoor Vent Adapter Kit POSITIVE Pressure, HORIZONTAL or VERTICAL Venting Applications
H200FD	UHXPOSHZ12006					
H250FD	UHXPOSHZ12506	6 inch (LP)			(40) Foot MAXIMUM with (2) ELBOWS	
	UHXPOSHZ12504*	4 inch (Natural)			(30) Foot MAXIMUM with (3) ELBOWS (horizontal or vertical)	
H400FD	UHXPOSHZ14008	8 inch (LP)				
	UHXPOSHZ14006**	6 inch (Natural)				
H500FD	UHXPOSHZ15006**	6 inch (Natural / LP)				

\*Kit must be accompanied by UHXHFA004 or UHXDVA004

\*\*Kit must be accompanied by UHXHFA006 or UHXDVA006

Description	Part No.	Cl Plus
Horizontal Kits H150-H250	EZ-Vent	Cl Plus
18" straight pipe	IDXLLEN1930*	UHXHD6PIPE18
24" straight pipe	IDXLLEN1931	UHXHD6PIPE24
90° elbow	IDXLELB1930	UHXHD6ELBOW
Term Straight Cap	IDXLCAP1930	UHXHD6STERM

\*IDXLLEN1930 is adjustable from 6" to 19"

Description	Part No.	Cl Plus
Horizontal Kits H400	EZ-Vent	Cl Plus
18" straight pipe	FDXLLEN1931	UHXHD8PIPE18
24" straight pipe	FDXLLEN1930	UHXHD8PIPE24
36" straight pipe	—	UHXHD8PIPE36
90° elbow	FDXLELB1930	UHXHD8ELBOW
Term Straight Cap	FDXLCAP1930	UHXHD8STERM

### Indoor Vent Adapter Kits VERTICAL Venting – NEGATIVE Pressure

This Kit enables indoor installation where the exhaust vent pipe termination is required to be vertically terminated a minimum of 3 feet above the roof and a minimum of 2 feet above any portion of a building within 10 feet horizontally. This Kit **DOES NOT** allow horizontal vent termination.

Universal H-Series Model No.	Kit Part Number: VERTICAL Venting Applications (NEGATIVE Pressure)	Vent Pipe Diameter	Vent Termination Requirement	Vent Pipe Material	Vent Pipe Limitations	Description
H150FD	UHXNEGVT11506	6 inch (Natural / LP)	VERTICAL ONLY: Termination Above Roof of House / Building	Single or Double Wall Galvanized Steel Non-Sealed Vent Pipe	Installation per NFPA Code	Indoor Vent Adapter Kit NEGATIVE Pressure, VERTICAL Venting Applications
H200FD	UHXNEGVT12006					
H250FD	UHXNEGVT12506					
H400FD	UHXNEGVT14008	8 inch (Natural / LP)				
	H500FD					

# Universal H-Series Indoor Vent Kit Matrix

INDOOR VENT ADAPTER KITS

Positive-Pressure (CATIII) Indoor Vent Kits with Vent Pipe and Terminal Specifications								
Heater Model	Indoor Vent Kit Part Number	Maximum Installation Altitude (ft.)	Vent Pipe Dia. (in)	Appliance Adapter	Vent Pipe Type	Heatfab Saf-T Vent EZ Seal (CI Plus) or DuraVent FasNSeal (W2)		
						Vent Pipe Part Number	Horizontal Vent Terminal Part Number	Vertical Vent Terminal Part Number
150 200	UHXPOSHZ11506 UHXPOSHZ12006	10,100	6	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC
250	UHXPOSHZ12506	10,100	6	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 5690CI‡	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N CCE06WP‡	HeatfabP/N CCA06RC
250- FDN (NAT ONLY)	UHXPOSHZ12504	2,000	4	UHXDVA004 (4" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx04†	DuraVentP/N FSTT4	DuraVentP/N FSRC4
					Double-Wall	DuraVentP/N W2-x04†	DuraVentP/N FSTT4	DuraVentP/N W2-RC4
				UHXHFA004 (4" Heatfab adapter)	Single-Wall	HeatfabP/N 940x*	HeatfabP/N 9414TERM	HeatfabP/N 5400CI
					Double-Wall	HeatfabP/N CCA04Lx**	HeatfabP/N 9414TERM	HeatfabP/N CCA04RC
300 350 400	UHXPOSHZ13008 UHXPOSHZ13508 UHXPOSHZ14008	10,100	8	Heatfab adapter included in kit	Single-Wall	HeatfabP/N 980x*	HeatfabP/N 5890CI‡	HeatfabP/N 5800CI
					Double-Wall	HeatfabP/N CCA08Lx**	HeatfabP/N CCE08WP‡	HeatfabP/N CCA08RC
400	UHXPOSHZ14006	2,000	6	UHXDVA006 (6" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx06†	DuraVentP/N FSTT6	DuraVentP/N FSRC6
					Double-Wall	DuraVentP/N W2-x06†	DuraVentP/N FSTT6	DuraVentP/N W2-RC6
				UHXHFA006 (6" Heatfab adapter)	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC
500	UHXPOSHZ15006	10,100	6	UHXDVA006 (6" Duravent adapter)	Single-Wall	DuraVentP/N FSVLx06†	DuraVentP/N FSTT6	DuraVentP/N FSRC6
					Double-Wall	DuraVentP/N W2-x06†	DuraVentP/N FSTT6	DuraVentP/N W2-RC6
				UHXHFA006 (6" Heatfab adapter)	Single-Wall	HeatfabP/N 960x*	HeatfabP/N 9614TERM	HeatfabP/N 5600CI
					Double-Wall	HeatfabP/N CCA06Lx**	HeatfabP/N 9614TERM	HeatfabP/N CCA06RC

\*For Heatfab single-wall vent pipe section length, "x" should be: 1, 2, 4, 5, or 7, where 1=6 inches, 2=12 inches, 4=18 inches, 5=24 inches, and 7=36 inches.

\*\*For Heatfab double-wall vent pipe section length, "x" should be: 06, 09, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.

†For DuraVent vent pipe section length, "x" should be: 6, 12, 18, 24, or 36, indicating the length of the vent pipe section in inches.

‡For these horizontal terminals, the wall penetration is included from the vent manufacturer. On all others, it must be ordered separately.

Heating

# H-Series

HEATER FOR ABOVE-GROUND POOLS AND SPAS

Heating



H135 H-Series 135,000 BTU Heater

Hayward's H-Series 135,000 BTU heater for above-ground pools and spas combines leading technology with ease of operation and superior performance.

Featuring a standard cupro nickel heat exchanger and an energy-efficient combustion chamber, the Hayward heater provides 135,000 BTU input.

A forced-draft design makes this heater completely impervious to any high wind situations. The patented polymer header design provides superior hydraulic performance, and a simple plug-in 120 volt electric cord is provided for simple installation.

#### Applications – Outdoor Use Only

- Above-ground pools
- Spas

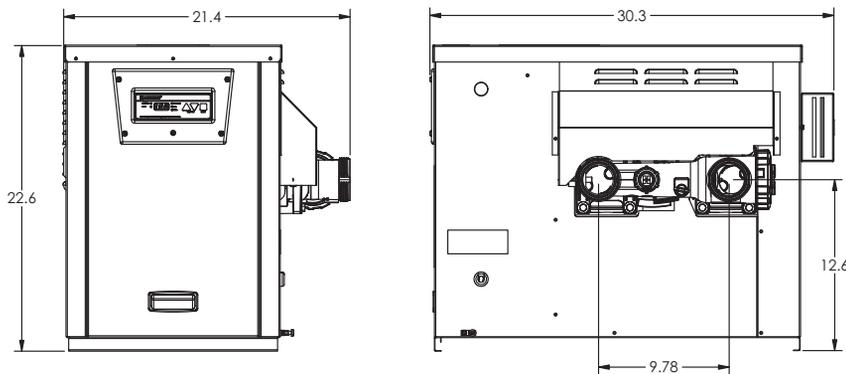
#### Features

- 135,000 BTU input for above-ground pools and spas
- Standard Cupro nickel heat exchanger for greater durability in high flow or occasionally aggressive water chemistry conditions
- Electronic thermostat with easy to read LED digital display of temperature and diagnostics
- Forced draft combustion eliminates all outside weather variables such as high-wind conditions
- Meets the South Coast Air Quality Management District (SCAQMD Rule 1146.2). Low NOx emissions standards in all Low NOx areas that apply the SCAQMD standard.
- Plug-in 120 volt electric cord (3 ft.) for easy installation
- UPS/FedEx shippable

## H-Series Buying Guide

Model Number	Gas Type	BTU Input	Thermal Efficiency	Ctn. Qty.	Ctn. Weight
<b>120 Volt 60 Hz with Silicon Nitride Hot Surface Ignition</b>					
H135ID1	Natural	135,000	82%	1	100 lbs.
H135IDP1	Propane	135,000	82%	1	100 lbs.

## Overall Dimensions (inches)



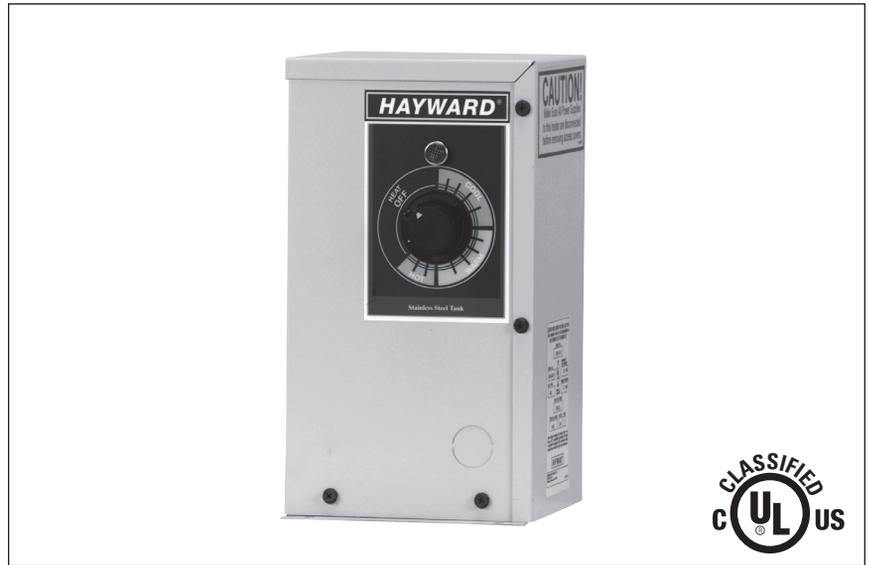
Hayward electric spa heaters contain all of the sophisticated features and capabilities of heaters twice their size. The electric heaters fit into compact spaces — even under spa skirts or steps. Like all Hayward heaters, they are easy to install and service.

### Applications

- Hot Tubs
- Spas (above 70 G.P.M. an external by pass is recommended)

### Features

- 304 stainless steel tank
- 304 stainless steel threaded head, safety sensor electric heating element
- Service-ease design gives simple access to internal controls
- Heater on indicator light
- UPS Shippable

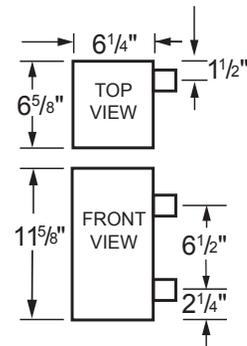


CSPAXI Series Heater

## Spa Heater Buying Guide

Model Number	KW	Voltage	Pipe Size	Ctn. Qty.	Ctn. Weight
<b>CSPAXI Electric Spa Heaters</b>					
CSPAXI55	5.5	240	1 1/2"	1	14 lbs.
CSPAXI11	11	240	1 1/2"	1	14 lbs.

### Overall Dimensions (inches)

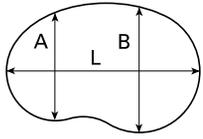


# Heater Selection Guide

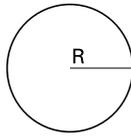
## SELECTING THE CORRECT SIZE HEATER FOR POOLS AND SPAS

### Pool Sizing

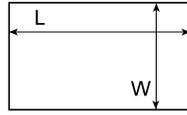
Determine your pool's surface area in square feet:



$$\text{Area} = (A+B) \times L \times .45$$



$$\text{Area} = R \times R \times 3.14$$



$$\text{Area} = L \times W$$

Locate in the desired table below, the surface area equal to or just greater than the pool's surface area, read to the left and select the appropriate heater.

For indoor pool installations divide the pool's surface area by 3. Tables are based on a 30°F temperature rise, 3 1/2 MPH average wind velocity and elevation of up to 2,000 feet above sea level.

### Recommended Gas Heater for Swimming Pools

Model	Surface Area
HDF275	825
HDF400	1200
H400FD	1200
H250FD	750
H200FD	600
H150FD	450

### Example:

**Rectangular pool: 25 ft. x 30 ft.:**

$$25 \times 30 = 750 \text{ ft.}^2 \text{ Surface Area}$$

Recommended Universal H-Series Model Heater – H250FD

### Saving Money by Saving Energy

Selecting a high efficiency heater for your new installation, or replacing an older inefficient model can have a significant impact on your fuel bill. Here are some additional energy saving tips.

- Check your pool chemistry regularly to maintain top operating condition.
- Set your pool water's temperature between 78° to 82° for most applications
- Use a pool cover or thermal blanket on your pool when it's not in use. Evaporation accounts for 70% of heat loss from your pool.
- Add wind breaks to your pool. A 7-mph wind at the surface of a pool can increase energy consumption 300%!



### Recommended H-Series 135,000 BTU Models for Smaller Pools

Hayward H-Series Gas Heater will Raise Temperature in an 8 Hour Period as follows:

Temperature Rise in 8 Hours		
Pool Size	Gallons	H135 Temperature Rise °F
15' Round	5,300	20
18' Round	7,600	14
12' x 24' Rectangle	8,600	13
21' Round	10,000	11
24' Round	13,500	8
27' Round	17,000	6

We highly recommend that your Hayward Pool heater be used in conjunction with a solar blanket to maximize your heating efficiency.

### Spa/Hot Tub Sizing

Determine your spa capacity in gallons (Surface area x average depth x 7 1/2).

The reference tables list the time required in minutes to raise the temperature of the spa/hot tub by 30°F. Locate in the desired table below the spa/hot tub size in gallons equal to or just greater than the spa/hot tub size in gallons. Select the desired time to raise the spa/hot tub temperature 30°F, read to the left and select the appropriate heater.

This guide can be adjusted for other temperature rises. For example, if you desire a 15°F increase in temperature, simply divide the time for 30°F rise by the ratio of 30/15 = 2.

**Note:** Heat losses and/or heat absorbed by spa walls or other objects will add to heat-up time.

Spa sizing is based on an insulated and covered spa. Always cover your spa or hot tub when not in use to minimize heat loss and evaporation.

### Recommended Gas Heater for Spas/Hot Tubs

Model	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
	Time in minutes to Raise Spa/Tub Temperature 30°F								
HDF275	13	20	26	33	40	47	53	60	66
HDF400	—	—	18	23	27	32	36	41	45
H400	—	—	18	23	27	32	36	41	45
H250	15	22	29	36	43	51	58	65	72
H200	18	27	36	45	54	63	72	81	90
H150	24	36	48	60	72	84	96	108	120

### Recommended H-Series 135,000 BTU Models for Spas/Hot Tubs

Model	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
	Time in minutes to Raise Spa/Tub Temperature 30°F								
H135	27	40	53	67	80	94	107	121	134

### Recommended CSpaXI Models for Spas/Hot Tubs

Model	Spa/Tub Size in Gallons								
	200	300	400	500	600	700	800	900	1000
	Time in minutes to Raise Spa/Tub Temperature 30°F								
CSPA155	160	240	320	400	480	560	640	720	800
CSPA111	80	120	160	200	240	280	320	360	400

### Example:

Want a 300 gallon spa to go from 70°F to 100°F in 120 minutes.

$$\begin{array}{r} 100^\circ\text{F} \\ \text{subtract} \rightarrow \quad 70^\circ\text{F} \\ \hline 30^\circ\text{F Requested Temperature Rise} \end{array}$$

Recommended CSPAXI Model Heater – CPAXI11

# Heater Technical Information

## GAS PIPE SIZING

**GAS SUPPLY AND PIPING:** All GAS connections must be in conformance with all applicable local codes, regulations and the National Fuel Gas Code NFPA54/ANSI Z223-1 & ANSI/NFPA 58. To properly size the gas piping for the heater, refer to Tables 10, 11, 12, and 13, depending on natural or propane gas, and single-stage or 2-stage regulation. Follow local gas codes for proper gas line material selection (copper, iron, plastic, etc.). It is **VERY IMPORTANT** when installing a propane heater on a 2-stage regulation system, to follow the gas line sizing data in Tables 12 or 13 without exception.

**Table 10. Natural Gas Pipe Sizing (dia. inch), Low-Pressure, Single-Stage Regulation**

btu/hr input		135/150,000	200,000	250,000	300,000	350,000	400,000	500,000
Gas Line Material		Iron or Plastic Pipe						
Distance from Gas Meter to Gas Valve Inlet (ft.)	0 to 50	3/4"	1	1	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	50 to 100	1	1	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"
	100 to 200	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	2
	200 to 300	1 1/4"	1 1/4"	1 1/2"	2	2	2	2

Based upon an inlet gas pressure of 0.5 psig or less at a pressure drop of 0.5 inwc

**Table 11. Propane Gas Pipe Sizing (dia. inch), Low-Pressure, Single-Stage Regulation**

btu/hr input		135/150,000		200,000		250,000		300,000		350,000		400,000		500,000	
Gas Line Material		Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing
Distance from Tank Regulator to Gas Valve Inlet (ft.)	0 to 50	3/4"	7/8"	3/4"	7/8"	1	1 1/8"	1	1 1/8"	1	1 1/8"	1	—	1	—
	50 to 100	3/4"	1 1/8"	1	1 1/8"	1	1 1/8"	1	—	1 1/4"	—	1 1/4"	—	1 1/4"	—
	100 to 200	1	1 1/8"	1	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/4"	—
	200 to 300	1	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/4"	—	1 1/2"	—	1 1/2"	—

Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

**Table 12. Natural Gas Pipe Sizing (dia. inch), High-Pressure, 2-Stage Regulation**

btu/hr input		135/150,000	200,000	250,000	300,000	350,000	400,000	500,000	
Gas Line Material		Iron or Plastic Pipe							
Distance of 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
		50 to 100	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
		100 to 150	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"	3/4"
	Second Stage**	0 to 10	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1

\*Based upon an inlet gas pressure of 2 psig at a pressure drop of 1 psi

\*\*Based upon an inlet gas pressure of 10 inwc at a pressure drop of 0.5 in-wc

**Table 13. Propane Gas Pipe Sizing (dia. inch), High-Pressure, 2-Stage Regulation**

btu/hr input		135/150,000		200,000		250,000		300,000		350,000		400,000		500,000	
Gas Line Material		Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing	Iron Pipe	Tubing
Distance of 1st Stage then 2nd Stage to Gas Valve Inlet (ft.)	First Stage*	0 to 50	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
		50 to 100	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
		100 to 150	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"
	Second Stage**	0 to 10	1/2"	5/8"	1/2"	5/8"	1/2"	3/4"	3/4"	3/4"	3/4"	7/8"	3/4"	7/8"	3/4"

\*Based upon an inlet gas pressure of 10 psig at a pressure drop of 1 psi

\*\*Based upon an inlet gas pressure of 11 inwc at a pressure drop of 0.5 inwc

Electric Supply: All electrical wiring must be in conformance with all applicable local codes, regulations and the National Electric Code (NEC), in particular NEC Article 680 & 440.

# AquaNaut® 250 & 450

AUTOMATIC SUCTION CLEANERS WITH V-FLEX™ TECHNOLOGY

**EXPERT LINE**



AquaNaut 250 & 450

## AquaNaut 250 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
PBS22CST	2-Wheel Drive Suction Cleaner Super Hump Tire Thread	1	16 lbs.

## AquaNaut 450 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
PBS42CST	4-Wheel Drive Suction Cleaner Super Hump Tire Thread	1	19 lbs.

### Product Specifications

	AquaNaut 250	AquaNaut 450
Pool Coverage*	Pool floor, walls, coves	Pool floor, walls, coves
Drive Sequence	Turns every 8' to 10'	Turns every 11' to 14'
Traction System	2-wheel drive	4-wheel drive
Turbine Type	Patented V-Flex variable vane technology	Patented V-Flex variable vane technology
Pool Size	up to 16' x 32'	up to 20' x 40'
Pool Surface**	Gunite, vinyl, fiberglass, pebble and tile	Gunite, vinyl, fiberglass, pebble and tile
Hose Length	Approximately 32'	Approximately 40'
Warranty	3-year	3-year

**NOTES:** \*Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.

\*\*Other tire threads available for different pool surfaces or configurations

The AquaNaut® Series of automatic suction pool cleaners were the first all-terrain, clog-eliminating suction cleaners on the market and they remain the best in their class. Available in two or four wheel drive models, AquaNaut is designed with patented technologies to deliver superior power, traction and balance for pools of different shapes, sizes, flow rates and debris types. They feature patented self-adjusting variable vanes known as V-Flex™ technology, which automatically adjust to allow for large debris to pass through the cleaner delivering maximum suction power at virtually any flow and providing a clog-free clean — covering pool floor, walls\* and coves.

### Applications

- In-ground residential pools – concrete, gunite, vinyl, fiberglass, tile and pebble
- AquaNaut 250 is for pools up to 16' x 32'; AquaNaut 450 is for larger pools up to 20' x 40' or pools with deep ends.
- Cleans pool floor, walls\* and coves

### Features

#### Only 4-Wheel Drive Suction Cleaner

- With its rugged 4-wheels, AquaNaut 450 can maintain power, balance and traction in pools up to 20'x40' and with deep ends.

#### Handles Large Debris Without Clogging

- Patented V-Flex variable vane turbine technology eliminates clogs and maximizes power at almost any flow.
- Perfect for use with variable-speed pool pumps.

#### Expertly Navigates Any Surface\*

- Patented high-traction tires with rugged treads provide superior climbing power and motion on all surfaces.

#### Maintains Constant Suction

- Patented adjustable roller skirt maintains optimal suction on uneven surfaces.

#### Advanced Steering Capability

- Multiple pre-programmed steering sequences ensure complete pool coverage.

#### Optimal Suction at Almost Any Flow

- Three easily interchangeable throats improve debris passage and suction performance, making it ideal for use with variable-speed pool pumps.

View Suction Cleaner Accessories on page 60.

Equipped with intelligent microprocessorbased technology, AquaVac QC is recognized for its superior performance in reliability and efficiency. AquaVac makes sure virtually every area of your pool gets that much cleaner, and fast! The AquaVac QC automatic robotic cleaner is no exception with a fast 90 minute Quick Clean cycle.

### Applications

- In-ground residential pools – gunite, vinyl, fiberglass, pebble and tile
- Cleans pool floor, walls, coves and waterline

### Features

#### Efficient cleaning programs

- Standard 4-hour complete cleaning cycle for full floor, walls, coves and waterline.
- Patented Quick Clean technology provides a fast 90 minute cycle.

#### Powerful vacuum strength

- On-board pump for intense vacuum power to suck up dirt and debris.
- Built with an efficient 24-volt motor designed to use less energy and lower cost.

#### Unique cartridge filter system

- Makes emptying easy, just open the cleaner, remove the cartridge and rinse with a hose.

#### Easy to use

- No extra hoses, hookups or pumps required.
- Runs separately from the pool's filtration system reducing the frequency of filter backwash cycles.



AquaVac QC

## AquaVac QC Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
RC9730CTB	AquaVac QC Robotic Cleaner	1	42 lbs.
<b>Accessories</b>			
RC99385	Premium Caddy Cart	1	17 lbs.
RCX26012	Foam Roller Assy	5	10 lbs.
RCX70101PAK2	Replacement Filters (set of 2)	5	4 lbs.
RCX70103PAK2	Spring Clean-up Filters (set of 2)	5	2 lbs.

### Product Specifications

	AquaVac QC
Pool Coverage	Pool floor, walls, coves, waterline
Cleaning Cycle	4 hours/90 minutes Quick Clean
Cleaning Schedule	Manual start
Pool Size	up to 20' x 40'
Pool Surface	Gunite, vinyl, fiberglass, pebble and tile*
Cord Length	55'
Filter Media Access	Bottom access – removable debris container
Warranty	3-year

**NOTE:** \*Tile may require foam roller option



Optional Premium Caddy Cart – RC99385 (sold separately)



Spring Clean-up Filter Elements for heavier debris – RCX70103PAK2 (sold separately)

# eVac & eVac Pro

ROBOTIC POOL CLEANERS



eVac & eVac Pro

## eVac & eVac Pro Buying Guide

Model Number*	Description	Ctn. Qty.	Ctn. Weight
<b>eVac</b>			
RC9738CTBY	eVac Robotic Cleaner with Caddy Cart	1	48 lbs.
<b>eVac Pro</b>			
RC9738WCCTBY	eVac Pro Robotic Cleaner with Caddy Cart	1	48 lbs.
<b>Accessories</b>			
RCX70101PAK2	Replacement Filters (set of 2)	5	4 lbs.
RCX70103PAK2	Spring Clean-up Filters (set of 2)	5	2 lbs.

### Product Specifications

	eVac by Hayward®	eVac Pro by Hayward®
Pool Coverage	Pool floor, coves	Pool floor, walls, coves, waterline
Cleaning Cycle	2 hours	3 hours
Cleaning Schedule	Manual start	
Pool Size	up to 20' x 40'	
Pool Surface	Gunite, vinyl, fiberglass, pebble and tile*	
Cord Length	50'	60'
Filter Media Access	Top access – removable debris container	
Warranty	1-year	1-year

**NOTE:** \*Tile may require foam roller option

Both eVac and eVac Pro by Hayward® are built with the highest-quality components and proven technology that create reliable, consistent results while maximizing energy efficiency. Whether you clean your pool floor and coves with eVac or cover the floor, walls, coves and waterline with eVac Pro, the cleaners' robust, low-profile design and top-access filters give them an added bite.

### Applications

- In-ground residential pools – gunite, vinyl, fiberglass, pebble and tile
- Cleans pool floor and coves (eVac); cleans pool floor, walls, coves and waterline (eVac Pro)

### Features

#### Efficient cleaning program

- Features a smart steering technology that provides an efficient cleaning pattern for complete pool coverage.

#### Easy top-access to debris removal

- Top-access filter allows quick debris removal and easy cleanup.
- 2 fine porosity filter elements – just remove and rinse with garden hose.

#### Easy to use

- Requires no hoses or hookups nor additional pumps – just let it clean.
- Runs separately from the pool's filtration system, reducing the frequency of filter backwash cycles saving both time and money.

#### Sensors (eVac Pro only)

- Out-of-water sensor protects the motor by preventing cleaners from running out of the water.
- Beach-entry sensor reverses direction when pool cleaner starts climbing out of the water.



Caddy Cart – RC97385D



Spring Clean-up Filter Elements for heavier debris – RCX70103PAK2 (sold separately)

**Navigator® V-Flex™ suction cleaner features breakthrough new internal turbine, body and a-frame design, delivering more power and performance than ever. Equipped with patented V-Flex™ variable vane technology, it allows for larger debris pickup and maximizes suction power at lower flow, making it ideal for use with variable speed pumps. Patented SmartDrive® programmed steering determines the most efficient cleaning path affording unparalleled pool coverage.**

**Applications**

- In-ground residential pools – gunite, vinyl, fiberglass, tile and pebble
- Cleans pool floor, walls\* and coves

**Features**

*Patented V-Flex technology*

- Features self-adjusting variable vanes for easy handling of larger debris
- Energy-efficient design maximizes suction power at lower flow—ideal for use with variable-speed pumps

*Programmed cleaning*

- Exclusive SmartDrive® steering system offers unparalleled pool coverage.

*Efficient suction path*

- Wide vacuum inlet, unique wing and skirt designed for constant suction power and to pickup more debris faster

*Easy to use and install*

- Connects in less than 10 minutes to skimmer or suction port, no tools required
- Powered by existing filtration system, does not require booster pump

**What is SmartDrive programmed steering?**



Hayward's exclusive technology drives the Navigator Pro in an alternating series of right and left-hand turns to systematically clean pool surfaces and ensure the best coverage and most efficient cleaning path. It cleans faster and better than random-style cleaners and reduces the possibility of missed or over-visited zones in the pool.



**Navigator V-Flex**

**Navigator V-Flex Buying Guide**

Model Number	Description	Ctn. Qty.	Ctn. Weight
HSC925CV	Navigator V-Flex Suction Cleaner, Vinyl	1	20 lbs.

**Product Specifications**

Pool Coverage*	Pool floor, walls, coves
Drive Sequence	SmartDrive programmed steering system
Traction System	Pod and shoes
Turbine Type	Patented V-Flex variable vane technology
Pool Size	up to 20' x 40'
Pool Surface**	Gunite, vinyl, fiberglass, pebble and tile
Hose Length	Approximately 40'
Warranty	3-year

**NOTES:** \*Wall climbing capability and pool coverage may be affected by specific pool shapes and surfaces. The cleaner may not climb the wall under certain conditions.

\*\*Different shoe types available for different pool surfaces

**View Suction Cleaner Accessories on page 60.**



Leaf Canister



VacLock™ Safety Wall Fitting

# AquaBug® & Penguin

AUTOMATIC SUCTION CLEANERS FOR ABOVE-GROUND POOLS

**EXPERT LINE**

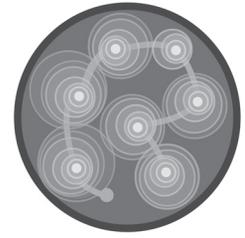


500 AquaBug



100 Penguin

With smart cleaning power, AquaBug and Penguin will be your pool's new best friends. The Hayward family of above-ground pool cleaners are designed to clean the bottom of all sizes and shapes of above-ground/on-ground pools — automatically. They operate off the pool's existing filtration system and feature our exclusive SmartDrive® program steering so it won't miss a spot.



SmartDrive cleaning pattern for above-ground pools.

## AquaBug & Penguin Buying Guide

Model Number	Description	32 ft. of Hose*	Skimmer Cone	Ctn. Qty.	Ctn. Weight
100	Penguin	✓	✓	1	21 lbs.
500	AquaBug	✓	✓	1	21 lbs.

\*Approximately 32 feet of hose included

### Applications

- Above-ground pools (flat or dished bottoms)
- On-ground pools

### Features

- Patented SmartDrive programmed steering system ensures the entire bottom of the pool is cleaned quickly and completely
- Installs in less than 10 minutes, without tools
- Unique turbine/gearing system provides constant balanced water flow assuring quiet operation and gentle movement across the pool bottom
- Improves water circulation by pulling water from the pool bottom as it moves
- Advanced, contoured head design allows the steering pattern to be completed in minimal time
- Deluxe bumper ring minimizes friction for easy movement away from walls and resumption of the programmed steering pattern
- Attractive 4-colour unitized cartons create a professional presentation that will stimulate sales

### Tips on Hose Requirements

A simple rule of thumb is to measure from the skimmer (or dedicated suction line) to the farthest point in the pool then add three (3) extra hose lengths.



W560  
Optional Leaf Canister

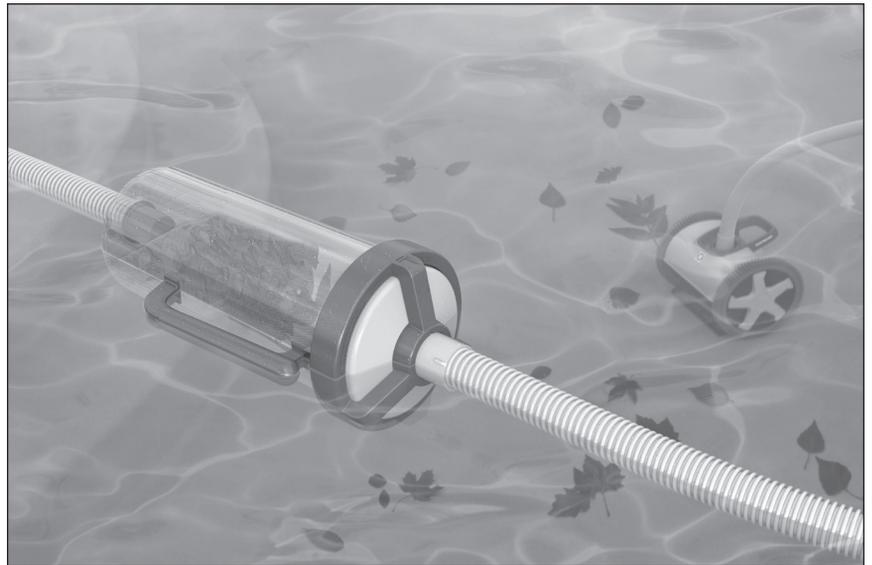
Cleaners

**OPEN LINE**

**Ruggedly built, Hayward leaf/debris canisters are designed with the pool professional in mind. Choose the appropriate canister that fits your individual vacuuming applications.**

### Features

- Extra-large basket or bag traps leaves and debris before they reach the filter system
- Superior design ensures that water will always bypass debris and maintain proper water flow to pump
- Easy-open lid provides quick access to basket
- See-through body lets you see when basket needs cleaning



Leaf/Debris Canisters



W560

W530



VacLock™ Safety  
Wall Fitting

### Leaf/Debris Canister Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
W560	Leaf canister*	6	19 lbs.
W530	Large capacity leaf canister with mesh bag	6	26 lbs.
W550	1 ½" adapter kit (for use with a W450 or W530 with manual vacuum cleaner)	10	1 lb.

**NOTES:** To utilize leaf canisters with hand vacuums, one of the above adapter kits will be necessary.

\*For use with any existing suction-side cleaner.

### VacLock Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
W400BWH	VacLock Safety Wall Fitting, White	10	2 lbs.
W400BLG	VacLock Safety Wall Fitting, Lt. Gray	10	2 lbs.

# Accessories

## TUNE-UP KITS

OPEN LINE

### Accessories Buying Guide

Part Number	Description
<b>V-Flex™ Upgrade Kits</b>	
VWX3000CKITWH	V-Flex Upgrade Kit – Concrete, White
VWX3000VKITWH	V-Flex Upgrade Kit – Vinyl, White
VWX3000SCKITWH	V-Flex Upgrade Kit Plus – Concrete, White
<b>V-Flex™ Upgrade Kit Content</b>	
• V-Flex Turbine Kit	Replacement Wings
• Bearing Free A-Frame Kit and Retainer	Suction Inlet (Throat)
• Replacement Shoes	
<b>V-Flex™ Upgrade Kit Plus</b>	
• V-Flex Turbine Kit	Suction Inlet (Throat)
• Bearing Free A-Frame Kit and Retainer	Pod Kit
• Replacement Shoes	Front and Rear Flaps
• Replacement Wings	

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>Suction Cleaner Accessories</b>			
V094P	In-line flow regulator valve	10	3 lbs.
V574P	In-line flow gauge	25	7 lbs.
V305P	PoolVac Classic™ and PoolVac Plus™ bumper (assists in steering clear of unusual objects)	25	4 lbs.
SP1048AVH	Suction outlet bumper. Keeps automatic cleaners from sticking to drain cover (for original Hayward 8" SP Series anti vortex drain covers only).	10	2 lbs.

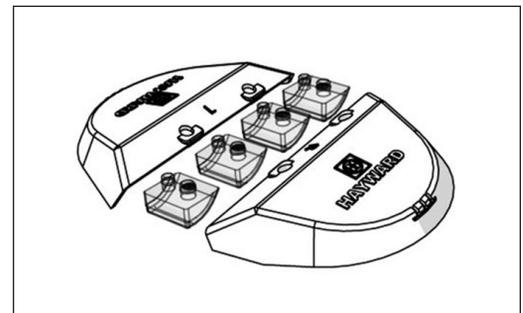
### Turbine Cleaner Tune-Up and Repair Kits

AXV414604WHP	Wing and shoe maintenance kit	50	9 lbs.
AXV621417WHP	A-frame turbine and pod tune up kit	10	10 lbs.
AXV622604WHP	Propulsion and wings rebuild kit	1	3 lbs.
AXW321	Tune-up Kit, PoolVac (vinyl, old style), White	10	5 lbs.
AXW350	Tune-up Kit, PoolVac Plus or Navigator (concrete), White	10	5 lbs.

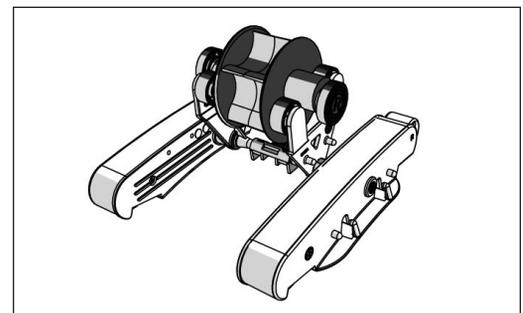
**NOTE:** AXW series tune up kits include a set of wings, shoes and flaps, a screwdriver and a cleaning brush.

Hayward has a variety of products designed to improve, enhance and maintain our automatic suction cleaner line.

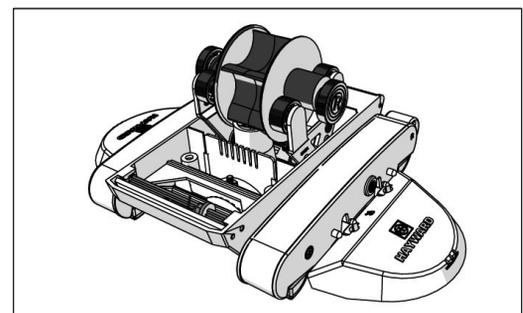
Patented V-Flex variable vane technology allows for larger debris pickup more than any other cleaner on the market and maximizes suction power at lower flow for energy-efficient results, perfect for use with variable-speed pumps. All components within the upgrade kit improve the performance of debris handling, energy-efficiency, all with fewer moving parts to maintain.



Wing and Shoe Maintenance Kit



A-Frame Turbine and Pod Tune Up Kit



Propulsion and Wings Rebuild Kit

# Automatic Cleaner Hose Guide

## AUTOMATIC CLEANER HOSE SELECTION AND SIZING GUIDE

### Sizing Automatic Cleaner Hose Length/ Tips on Vacuum Requirements

To correctly size Hayward automatic cleaners, measure from the skimmer or Vac Lock to the farthest point in the pool. Add two hose lengths to provide sufficient mobility for the cleaner.

**Example: A 16' x 32' rectangular pool will normally require 8-10 lengths of hose depending on depth and skimmer placement.**

After the correct hose length is selected and automatic cleaner installed, use the in-line vacuum gauge to check for proper water flow and adjust to satisfy the formula below.

Proper Vacuum = 1" of vacuum x # of hose lengths

**Example: A pool using 8 hose lengths requires 8" of vacuum for proper operation.**

If the vacuum level is too high, adjust the filter system valving accordingly. In the absence of sufficient valving, use the optional in-line regulator valve.

Improper vacuum levels can prevent the cleaner from climbing vertical walls in gunite/ concrete pools or "sticking" at steps and corners. Maintaining proper vacuum also ensures efficient water flow through the throat for effective cleaning.

For complete installation information, refer to your Hayward automatic pool cleaner's installation manual.

**The use of non-Hayward hoses is not recommended as it can greatly reduce the cleaner coverage, wall climbing capability and cleaning performance.**

**USE ONLY HAYWARD ORIGINAL HOSES AND PARTS**



TracVac US Suction Cleaner



VacLock Safety Wall Fitting



AquaNaut 250



Navigator® V-Flex™

### Suction Cleaners Hoses Pack Buying Guide

Model Number	Description	Ctn. Qty.	C t n . Weight
<b>PoolVac® and Navigator®</b>			
HSLHK110GRPK12	1M – Leader Hose 12 Pack, Gray* Replaces V532LG – V533LG	1	9 lbs.
HSCHK100GRPK12	1M – Connector Hose 12 Pack, Gray* Replaces V109LG – V130LG – V1032LG	1	9 lbs.
HSLCHK120GR	Hose Kit 1 Leader, 11 Connector 40"*, Gray Replaces V530LGP	1	9 lbs.
<b>PoolVac V-Flex™ and Navigator V-Flex</b>			
PVLCHK120BKBL	Hose Kit 1 Leader, 11 Connector 40"*, Black and Blue	1	9 lbs.
<b>VacLock™</b>			
W400BWHP	VacLock Safety Wall Fitting	10	20 lbs.
<b>AquaNaut®, The PoolCleaner Limited Edition and TracVac™</b>			
PVLHP1900GRPK10	1M – Leader Hose 10 Pack, Dark Gray*	1	9 lbs.
PVCHP1900GRPK10	1M – Connector Hose 10 Pack, Dark Gray*	1	9 lbs.

**NOTES:** \*All hose lengths are approximate

**Pool Cleaner – AquaNaut Hoses are not interchangeable with PoolVac, Navigator and ABG Hoses. Mixing hoses will result in poor performance of cleaner.**

# AquaRite® S3

SALT CHLORINATION SYSTEM

EXPERT LINE



AQRS340 AquaRite S3 Salt Chlorination System

## AquaRite S3 Buying Guide

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
AQRS315	AquaRite S3 Salt System 15,000 gallon	3 year	1	22.1 lbs.
AQRS325	AquaRite S3 Salt System 25,000 gallon	3 year	1	22.1 lbs.
AQRS340	AquaRite S3 Salt System 40,000 gallon	3 year	1	22.1 lbs.
AQRS3250MNI	AquaRite S3 Omni Salt System 25,000 gallon	3 year	1	24 lbs.
AQRS3400MNI	AquaRite S3 Omni Salt System 40,000 gallon	3 year	1	24 lbs.
AQRS30MNIKIT	AquaRite S3 Omni Upgrade Kit	3 year	1	3 lbs.
TCELLS315	TurboCell® S3 Salt Cell 15,000 gallon	3 year	1	4.2 lbs.
TCELLS318	TurboCell S3 20,000 gallon	3 year	1	4.2 lbs.
TCELLS325	TurboCell S3 Salt Cell 25,000 gallon	3 year	1	4.2 lbs.
TCELLS340	TurboCell S3 Salt Cell 40,000 gallon	3 year	1	4.2 lbs.
TCELLS340X25	TurboCell S3 Salt Cell 40,000 gallon, 25 ft. cord	3 year	1	5.04 lbs.

AquaRite S3 systems work only with a genuine S3 Series Hayward Salt Cell.



AquaRite S3 Omni Salt Chlorination System

NOTE: Mobile phone not included

Superior salt sanitization with built-in control, AquaRite S3 effortlessly manages chlorine levels, a pump and heater. AquaRite S3 is more than salt chlorination — it's advanced sanitization and automation that grows with any pool.

### Applications

- Residential, in-ground pools up to 40,000 gallons
- Available in three sizes – 15,000, 25,000 and 40,000 gallons

### AquaRite S3 Features

- LCD colour display for built-in control of chlorine levels, heater and variable-speed pump (single-speed pump control via Smart Relay, HLH485RELAY, sold separately)
- Clear TurboCell salt cell for easy inspection
- Operates over a broad range of salt levels, 800-8000 PPM
- Pool cover detect capabilities
- Auto voltage select for easier installation
- Easy upgrade path to Omni® controls via AQRS30MNIKIT

### AquaRite S3 Omni Features

- Includes all AquaRite S3 features above
- Full control of virtually any pool or spa feature via the external touchscreen control panel, OmniLogic® app or voice control devices\*
- Two valve ports to automatically switch to Spa mode, or for control of water features, etc.
- ColorLogic lighting control with OmniDirect Mode™
- Compatible with Sense & Dispense for pH and ORP control
- Expand at any time with easy-to-add accessories such as a Smart Relay, remote controls, Sense & Dispense, etc.
- Configurable for future upgrades
  - ✓ Control and set schedules for 3x variable-speed pumps
  - ✓ Control 2x heaters
  - ✓ Included 2 high voltage relays
- Capable of controlling an acid feed tank

\*Voice control devices are not included.

NOTE: Control unit not sold separately

To learn more about Hayward Salt Chlorination, visit [hayward.com/salt](http://hayward.com/salt)

### EXPERT LINE

The AquaTrol Salt Chlorine Generator is designed specifically for above-ground pools up to 20,000 gallons. The AquaTrol has similar functions and features of the AquaRite but with a lower chlorine output and is capable of operating over a “broad salt” range. A new firmware version allows the user to toggle between low salt (1,200 to 1,800 ppm) and normal salt (2,700 to 3,400 ppm) operation.

#### Applications

- For all residential above-ground pools up to 20,000 gallons.
- Suitable for new above-ground pools or retrofit.

#### Features

- Quick and Easy 30 minute installation
- Capable of operating over a “broad salt” range
- Toggle between low salt and normal salt operation
- The best water quality attainable
  - ✓ soft silky feel — no more red eyes or dry skin
  - ✓ always crystal clear and ready for swimming
- Digital salt display and 7 diagnostic indicators
- Super chlorinate function
- Microprocessor automates all functions
- cUL and UL Listed

**NOTE:** Control unit not sold separately



AquaTrol

### AquaTrol Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQ-TROL-RJ-CUL	AquaTrol with return jet fittings, 20K gal TurboCell	1	25 lbs.

### TurboCells Buying Guide

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
TCELLS318*	TurboCell S3 20,000 gallon	3 year	1	4.2 lbs.
GLX-CELL-5	TurboCell 20,000 gallon	3 year	1	4.2 lbs.

**NOTE:** \*For the AquaTrol systems to replace GLX-CELL-5

To learn more about Hayward Salt Chlorination, visit [hayward.com/salt](http://hayward.com/salt)

Sanitization

# AquaRite® 900 & AquaRite® XL

SALT CHLORINATOR WITH TURBOCELL®

**EXPERT LINE**



AquaRite 900 with Extended Life TurboCell

## AquaRite Series Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQR940	AquaRite 900 Salt Chlorinator, 40,000 gallon TurboCell	1	24 lbs.
AQR925	AquaRite 900 Salt Chlorinator, 25,000 gallon TurboCell	1	24 lbs.
AQR3	AquaRite Salt Chlorinator, with 15,000 gallon TurboCell	1	24 lbs.

## AquaRite XL Series Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQR15XLCUL	AquaRite XL with 40,000 gallon TurboCell, 120V corded	1	24 lbs.
AQR9XLCUL	AquaRite XL with 25,000 gallon TurboCell, 120V corded	1	24 lbs.
AQR3XLCUL	AquaRite XL with 15,000 gallon TurboCell, 120V corded	1	24 lbs.

## TurboCell Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
T-CELL-3®	TurboCell for pools up to 15,000 gallons	1	4.3 lbs.
TCELL925	Life TurboCell for pools up to 25,000 gallons	1	4.3 lbs.
TCELL940	Life TurboCell for pools up to 40,000 gallons	1	4.3 lbs.

**AquaRite Salt Chlorination Systems automatically convert salt into chlorine for sanitized pool water. Experience softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade.**

### Omni® Smart Pool Control Compatible

AQR900 Series can be connected to an Omni product with the accessory HLAQRPCB which is sold separately. Easily control virtually any pool and spa feature via the external touchscreen display, mobile app or popular voice control devices.\*

\*Voice control devices are not included.

### Applications

- For residential, new or existing in-ground pools up to 40,000 gallons
- Available in three sizes – 15,000, 25,000 and 40,000 gallons
- Use multiple units for larger pools

### Features

- Automatically converts salt into chlorine, 2400–3400 ppm
- Softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade
- Simple homeowner operation
- Adjust chlorine output from 0–100%
- NSF certified for chlorine delivery rates
- Easy to understand digital display
- Automatic cell cleaning using reverse polarity technology
- Superchlorinate function
- Single unit for 120VAC/240VAC 50/60Hz input (*Aquarite only*)
- Weatherproof enclosure and connections
- ETL safety certified
- 3 year warranty on Aquarite and Aquarite XL systems

**NOTE:** Control unit not sold separately

Sanitization

No more mixing, measuring and messing around with liquid or tablet chlorine. AquaRite Low Salt automatically turns common salt into a self-regenerating supply of pure chlorine. For pool and spa water that's clean, clear and luxuriously soft.

The key to AquaRite Low Salt chlorine generation is the TurboCell, a specially-designed converter connected to the control unit by a simple plug-in cord, and plumbed into the filter pump's return line to the pool. As water is pushed through the TurboCell, an extremely safe low-voltage electrical charge turns the salt previously added to the water into fresh, sanitizing chlorine which is then dispersed evenly throughout the pool via the return jets.

The Aquarite Low Salt chlorinator has the ability to produce chlorine with a salt level as low as 800 ppm, and as high as 3800 ppm. A lower salt level reduces corrosion concerns and is safer for the environment.

**Applications**

- For in-ground pools up to 30,000 gallons (113,500 L)
- Perfect for new or existing pools
- Perfect for replacing existing salt units

**Features**

- Soft, silky-smooth water
- No more red eyes, itchy skin
- Reduces handling and storage of toxic chemicals
- No chlorine odor or bleaching of toys and clothes
- Even, consistent chlorine dispersion; no more unhealthy highs and lows
- User-friendly monitor system with LED service alerts
- No need for additional plumbing or parts
- Easy to use – one dial adjusts chlorine output
- NSF and CUL approved, PMRA registered

**NOTE:** Control unit not sold separately



AquaRite Low Salt

**Low Salt Chlorinator Buying Guide**

Model Number	Description	Ctn. Qty.	Shipping Weight
AQR-LS-CUL	AquaRite Low Salt with 30K TurboCell, 120V/240V	1	25 lbs.
AQRXL-LS-CUL	AquaRite XL Low Salt with 30K TurboCell, 120V with cord	1	25 lbs.

**TurboCells Buying Guide**

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
T-CELL-LS-CUL	TurboCell 30,000 gallon	3 year	1	4.4 lbs.

**Salt Chlorinators**

Sanitization

# AquaRite® 100

SALT CHLORINATOR WITH SALT CELL

**EXPERT LINE**



AquaRite 100 shown with Salt Cell

## AquaRite 100 Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
AQR100	AquaRite 100 with CCELL, dual voltage wiring	1	22 lbs.

## Salt Cell Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
CCELL	AquaRite 100 Salt Cell	1	9 lbs.

**Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade. Compatible with existing equipment and able to cut chlorine costs by 50%, luxurious salt chlorination has never been more budget friendly.**

### Applications

- For new or existing in-ground pools up to 30,000 gallons

### Features

- Automatically converts salt into chlorine, 1500–4500 PPM
- Softer, silkier pool water that won't irritate eyes, dry out skin or cause fabrics to fade
- Produces up to 20% more chlorine than other similar systems on the market
- Weatherproof control unit ensures optimal performance in all conditions
- Advanced dispensing capability operates at flow rates as low as 20–25 GPM
- LED lights indicate current system operation status
- Intuitive control panel located behind flip-down door
- Wide-ranging salt production levels are capable of operating between 1500 and 4500 PPM
- Cell cap provides an insulated cable connection to control box
- Nut assembly and versatile piping allow for easy installation in existing pools
- Clear vessel and replaceable salt cell provide hassle-free inspection and simple replacement

Sanitization

## EXPERT LINE

**TurboCell Salt Cells are the heart of Hayward's salt chlorine generating systems. Give any pool the best in natural sanitization and softness. Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade.**

### Applications

- For new or existing in-ground pools up to 40,000 gallons
- For use with Hayward Aqualogic, Prologic, Omni systems, legacy Aquarites and S3 Aquarites. *(Note: the S3 Aquarite and S3 Omni can only use an S3 type cell)*
- Compatible with Hayward Omni automation systems

### Features

- Clear salt cell for easy inspection on S3 models
- Available in four sizes – 40,000, 25,000, 20,000 and 15,000 gallons
- Automatically generates a self-renewing supply of chlorine to save 50% over conventional chlorine
- NSF certified for chlorine output
- All cells come with a 15' cord *(except the TCELLS340X25, which has a 25' cord)*

### Beware of Imitators

With other replacement cells, you get what you pay for: Lower quality, shorter life, non-certification. Generic cells are not safety certified for use with Hayward salt chlorinators. Through independent test by leading authority in electrolytic cells, some generic cells have been shown to have 75% less operating life than a Hayward TurboCell.

### Live in an arid or tropical climate?

You may need a larger cell. Consider using the next size up or multiple cells for challenging climates.

### Commercial Applications

Before using any Hayward chlorinator for commercial applications, check local and state codes for requirements. Combining multiple units is possible to achieve the requisite chlorine delivery rate. View Saline C 6.0 and Saline C 11.0 salt chlorine generating systems.

*To learn more about Hayward salt chlorination, visit [ca.hayward.com/salt](http://ca.hayward.com/salt)*



TCCELLS340 TurboCell S3 Salt Cell (top)

TCELL940 Hayward TurboCell Salt Cell (bottom)

## TurboCells Buying Guide

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
<b>Salt Chlorinators</b>				
T-CELL-3®	TurboCell 15,000 gallon	3 year	1	4.3 lbs.
TCELL925	TurboCell 25,000 gallon	3 year	1	4.3 lbs.
TCELL940	TurboCell 40,000 gallon	3 year	1	4.3 lbs.
TCELLS315	TurboCell S3 15,000 gallon	3 year	1	4.2 lbs.
TCELLS318*	TurboCell S3 20,000 gallon	3 year	1	4.2 lbs.
TCELLS325	TurboCell S3 25,000 gallon	3 year	1	4.2 lbs.
TCELLS340	TurboCell S3 40,000 gallon	3 year	1	4.2 lbs.
TCELLS340X25	TurboCell S3 40,000 gallon, 25 ft. cord	3 year	1	5.04 lbs.
T-CELL-LS-CUL	TurboCell 30,000 gallon	3 year	1	4.4 lbs.
GLX-CELL-5	TurboCell 20,000 gallon	3 year	1	4.2 lbs.

**NOTE:** \*For the AquaTrol systems to replace GLX-CELL-5

**Hayward TurboCells are the ONLY salt cells certified by a Nationally Recognized Testing Laboratory to be safe to use with Hayward controllers.**

# CCELL

SALT CHLORINATION CELL

EXPERT LINE



AquaRite 100 Salt Cell, CCELL

## CCELL Buying Guide

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
CCELL	AquaRite 100 Salt Cell, 30,000 gallon	3 year	1	9 lbs.

To learn more about Hayward Salt Chlorination, visit [hayward.com/salt](http://hayward.com/salt)

Give any pool the best in natural sanitization and softness.

Naturally converts dissolved salt into a virtually endless supply of chlorine, providing automatic, consistent sanitization that won't irritate eyes, dry out skin or cause fabrics to fade. Compatible with existing equipment and able to cut chlorine costs by 50%, luxurious salt chlorination has never been more budget friendly.

### Applications

- For new or existing in-ground pools up to 30,000 gallons
- For use with Hayward AquaRite 100 systems
- Compatible with Hayward Salt & Swim 3C systems

### Features

- Wide-ranging salt production levels are capable of operating between 1500 and 4500 PPM
- Salt cell produces 20% more pure available chlorine than other comparable systems
- Clear vessel and replaceable cartridge provide chlorine production visibility, hassle-free cleaning and simple replacement

### Beware of Imitators

Other salt chlorination cells may talk a good game, but what they don't say will cost you. With other replacement cells, you get what you pay for: lower quality, shorter life, non-certification. Generic cells are not safety certified for use with Hayward salt chlorinators.

See page 71 for AquaRite 100 product information

### EXPERT LINE

HydraPure's advanced oxidation process (AOP) combines UV and ozone to form hydroxyl radicals. Together these three sanitizers destroy 99.9%\* of chlorine-resistant bacteria and viruses.

#### Applications

- Residential, new or existing, in-ground pools

#### Features

- UV eliminates harmful chlorine-resistant microorganisms by breaking down the body of the bacteria or virus
- Ozone oxidizes and destroys organic compounds including odor creating Chloramines
- Advanced Oxidation Process (AOP) combines UV and ozone form hydroxyl radicals. Together these sanitizers to destroy 99.9%\* of chlorine-resistant bacteria and viruses.
- Operates at flow rates as low as 10 GPM, making it the perfect partner for modern variable-speed pumps
- Less chlorine maintenance – UV and Ozone reduce the amount of chlorine required for effective sanitization
- Easy to operate and maintain. No monitoring or adjusting with easy to view notification lights
- The lid can be positioned in either of 2 directions for better view of the control panel, and to allow water connections from the left side of the unit instead of the right side.
- Ability to operate up to 120 GPM without a bypass
- Auto-sensing dual voltage (115V/230V), field wireable *(cord not included)*

**NOTE:** \*Destroys 99.9% of chlorine-resistant microorganisms up to 80 GPM, with a reduced level above 80 GPM.



HydraPure UV, Ozone and AOP System

### HydraPure Buying Guide

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
HYDRAPURE*	HydraPure UV, Ozone & AOP System, Field Wireable	3 Year	1	47 lbs.
HYDRACORDKIT	Cord Adapter Kit, 115V	1 Year	1	1.25 lbs.

**NOTES:** \*3-year warranty, 1-year warranty for UV and O3 lamps.

To learn more about HydraPure UV and Ozone Advanced Oxidation System, visit [ca.Hayward.com/HydraPure](http://ca.Hayward.com/HydraPure)



ClearO<sub>3</sub>

## ClearO<sub>3</sub> Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
004402388000	Dual Voltage – Single	1	8 lbs.
004402388100	Dual Voltage – 6 Pack	1	8 lbs.
006422004000	Kit: Ultra Clear UV <sub>2</sub> O <sub>3</sub> – 230V 2 Lamp	1	32.45 lbs.
006422001000	Kit: Ultra Clear UV <sub>2</sub> O <sub>3</sub> – 120V 2 Lamp	1	32.45 lbs.

The ClearO<sub>3</sub> water purifying system is the perfect addition to any new or existing pool for the cleanest water possible.

Ozone actively breaks down non-living waste products in pool water which can combine with chlorine to form unhealthy by-products that can irritate skin and have been linked to asthma and other ailments.

The Clear O<sub>3</sub> creates ozone using a proprietary UV bulb designed to excite ozone molecules from the oxygen in the air. This ozone is delivered into the pool water using the unit's suction injection system, where the ozone enriched air is mixed with the water going into the pool circulation pump. This creates a dynamic environment that best mixes the ozone and water.

### Applications

- For all residential pools, new or existing
- Single unit effective for up to 55,000 gallons

### Features

- Cleanest, strongest non-chlorine shock available with oxygen being its only by-product
- Save up to 60% on chemical costs
- Maximum ozone production with minimal impact to the pool equipment
- Easily breaks down unwanted pool particulates that can irritate the eyes and skin when bonded to chlorine
- Proprietary flow meter establishes the ideal flow of air for efficient ozone production
- UL Listed

### Engineered to Perform

- Fully sealed cylindrical chamber for optimized ozone generation
- Radiant heat ribs to maintain ozone output at peak operating temperatures
- Extruded aluminum main body with fiber-filled ppo resin end caps
- Removable side panel for easy maintenance and bulb replacement

**Ultra UV<sub>2</sub> ultraviolet system delivers an additional layer of protection and sanitation beyond traditional chlorination and in addition to salt chlorination.**

**It effectively and safely kills micro-organisms in pool water, including chlorine resistant crypto, giardia and algae, for a cleaner, clearer swim — all with no harmful by-products.**

**Ultra UV<sub>2</sub> is designed and engineered to significantly reduce the amount of chlorine needed to maintain an adequate level of residual sanitizer.**

### Applications

- For indoor or outdoor use on new or existing pools
- Up to 57,000 gallon pools
- Minimal maintenance

### Features

- Cleaner, healthier water with less eye and skin irritations
- Deactivates 99.9% of bacteria, viruses, fungus, and algae micro-organisms
- Works with single or modern multi-speed pumps
- Reduces chlorine demand by up to 50%

### Eco-friendly Design

- Multi-directional and quick release piping connections make it easy to install in new and existing pools
- 360° direct view lamp power indicating ring
- Automatically activated by the flow of water through a pressure switch
- 100% corrosion resistant housing
- 13,000 hour lamp life
- 2 year limited warranty



Ultra UV<sub>2</sub>

## UltraUV<sub>2</sub> Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
004422202100	Ultra UV <sub>2</sub> – 120V 1 Lamp	1	23 lbs.
004422202500	Ultra UV <sub>2</sub> – 230V 1 Lamp	1	23 lbs.
004422202200	Ultra UV <sub>2</sub> – 120V 2 Lamp	1	23 lbs.
004422202600	Ultra UV <sub>2</sub> – 230V 2 Lamp	1	23 lbs.
004422202300	Ultra UV <sub>2</sub> – 120V 3 Lamp	1	23 lbs.
004422202700	Ultra UV <sub>2</sub> – 230V 3 Lamp	1	23 lbs.
006422004000	Kit: Ultra Clear UV <sub>2</sub> O <sub>3</sub> – 230V 2 Lamp	1	32.45 lbs.
006422001000	Kit: Ultra Clear UV <sub>2</sub> O <sub>3</sub> – 120V 2 Lamp	1	32.45 lbs.

## Comparison Chart

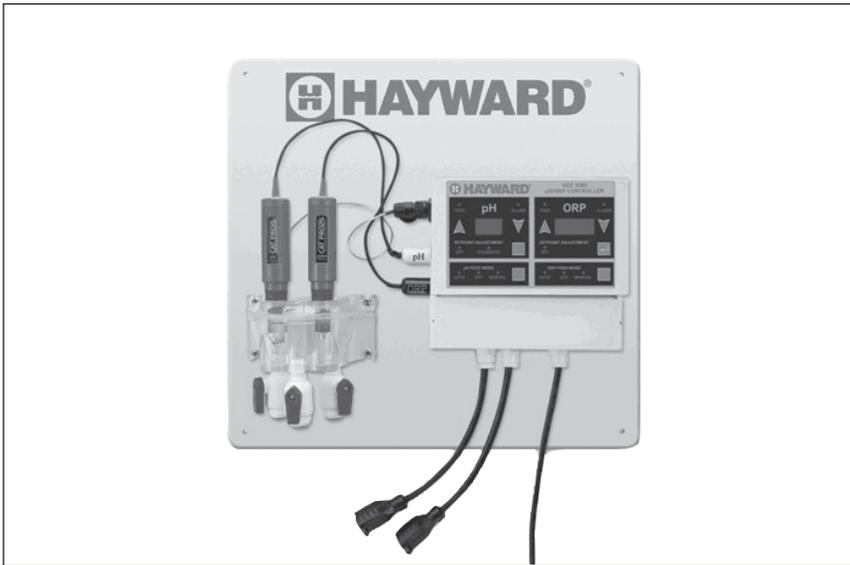
	Ultra UV <sub>2</sub>	Chlorine
Inactivates 99.9% Crypto, Giardia and Algae	YES	NO
Easy to maintain, no monitoring or adjusting	YES	NO
Effectiveness influenced by weather	NO	YES
Corrodes/calcium build up on pool equipment	NO	YES
Produces harmful by products	NO	YES

## Maximum Flow Rate

Lamps	Flow Rate (gpm)
Single Lamp	10–46gpm
Two Lamp	20–80gpm
Three Lamp	30–130gpm

# HCC2000 & Universal pH & ORP Sensors

AUTOMATION FOR POOLS AND SPAS



HCC2000

## HCC2000 Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
HCC2000	HCC2000 Water Chemistry Controller for Fresh Water	1	11 lbs.
HCC2000-AU	HCC2000 Water Chemistry Controller for Salt Water	1	11 lbs.

### Options

AQLCHEM4-CHLOR	Liquid Chlorine Pump/Tank System, 120V	1	25.5 lbs.
AQLCHEM4-ACID	Acid Pump/Tank System for pH Control, 120V	1	25.5 lbs.
AQL-CHEM2	Solenoid Valve for CO <sub>2</sub> for pH Control, 120V	1	2 lbs.

## Universal pH & ORP Sensor Buying Guide

Model Number	Description
PRO15-2	pH Sensor, 2' Cord
PRO25-2	ORP Sensor for Fresh Water Pool/Spa, 2' Cord
PRO25-AU-2	ORP Sensor for Saltwater Pool/Spa, 2' Cord
PRO15-10	pH Sensor, 10' Cord
PRO25-10	ORP Sensor, 10' Cord



Perfect for swimming pools, spas and water features, the HCC2000 is a powerful yet affordable microprocessor-based pH and ORP water chemistry controller. The controller features proportional feed to ensure precise water chemistry maintenance, and operates using the Oxidation-Reduction Potential (ORP) method of water analysis to ensure rapid deactivation of such waterborne pathogens as E.coli in swimming pool water.

The HCC2000 provides the ultimate one stop shop experience, one unit pre-configured with everything required to make water chemistry management simple, convenient and affordable. This package includes the HCC2000 controller, flow cell and flow sensor, all now pre-mounted on a PVC backboard. PH and ORP sensors are also included.

### Features

- Advanced microprocessor-based design technology
- Simple to operate user interface with easy to read LED display
- Complete package offers a total chemical automation system for easy installation and ultimate convenience

**Dependable and affordable commercial grade sensors for use with virtually all automated chemistry controllers.**

**The Hayward series of Universal Commercial grade sensors are the next generation in sensor technology. They incorporate a Poly-Pro™ solid polymer reference technology matched with a patented Teflon fluid junction for unparalleled performance and longevity.**

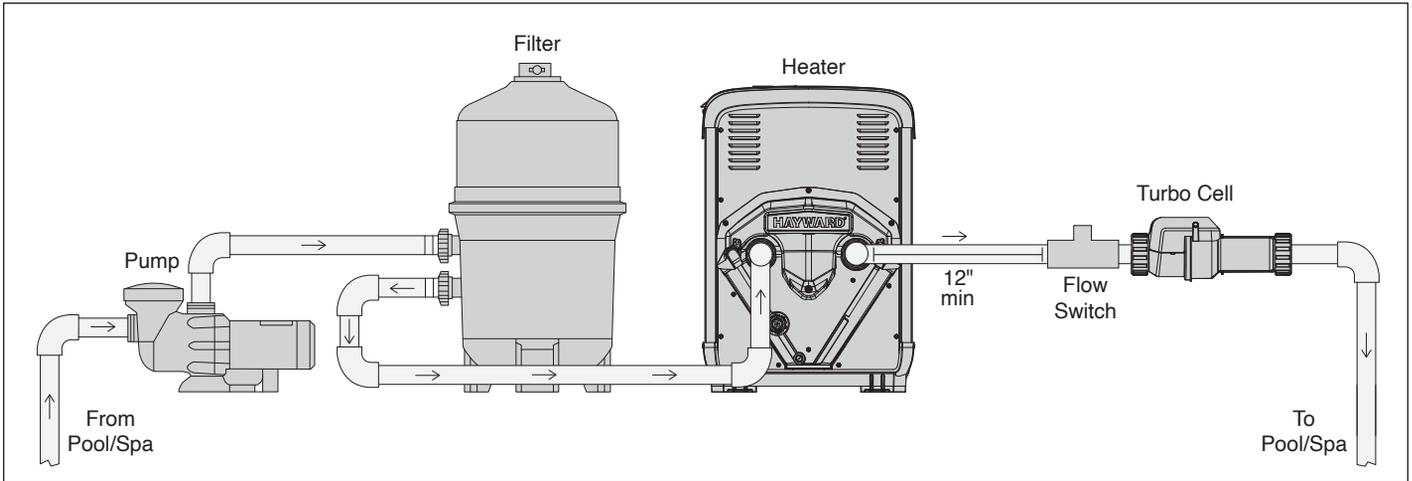
### Features

- Compatible with virtually all chemical controllers as a system upgrade
- Shielded BNC connectors for chemical resistance
- Low maintenance Porous Teflon fluid junction
- Superior protection against infusion and diffusion
- Poly-Pro solid polymer technology

# Chlorinator Cell

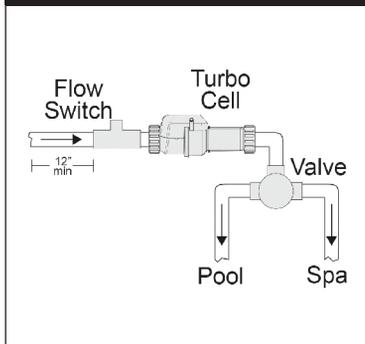
## PLUMBING INSTALLATION FOR IN-GROUND POOLS

Install the cell and flow switch down stream of all existing equipment, but prior to the pool/spa return valve. The flow switch can be located immediately downstream from the cell (as shown) or can be installed with 12" of straight pipe directly before the mounting tee (option 1 below). For stand-alone installations on pool/spa systems, refer to options 2 or 3 in order to avoid possible over chlorination of the spa. For 2-speed or variable speed pumps and systems with low flow rates, refer to option 4 to ensure complete coverage of the cell electrodes during operation. Note that the chlorinator cell can be mounted in any orientation.

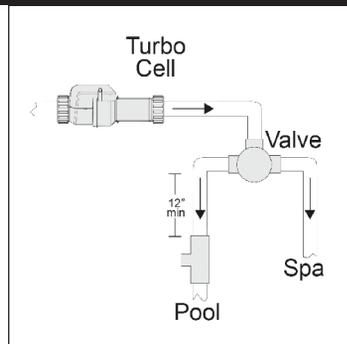


Chlorinator Cell

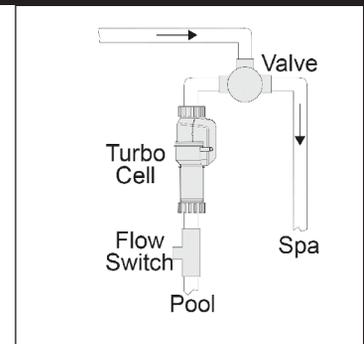
### Preferred Installation With 2-Speed & V.S. Pumps & Systems With Low Flow Rates



Optional Configuration #1

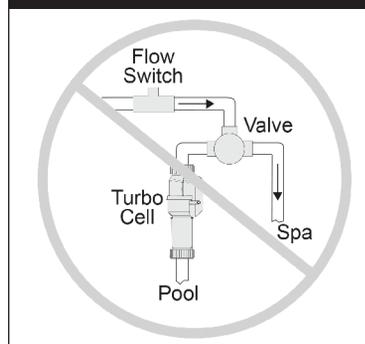


Optional Configuration #2



Optional Configuration #3

### Inaccurate Configuration



# Salt Facts

FOR SALT CHLORINE GENERATORS

**Hayward Salt Chlorine Generators all produce their own chlorine from a low concentration of salt dissolved into the pool water to create 100% of the pool's sanitizing needs.**

## Will the pool water taste salty?

No. The concentration of salt in the pool water is approximately 1/10 of the level in the ocean and is below the level of taste for most people. This level of salt is equivalent to 1 teaspoon of salt in a gallon of water.

## Types of salt

Salt chlorine generators use ordinary food grade, solar salt or water softener salt. Regardless of which type of salt you chose ensure that it is at least 99% pure salt (NaCl). Never use rock salt (ice melt) or salts that have more than 1% of "anti-caking agents", "yellow prussiate of soda", or "sodium ferrocyanide" added as these compounds may cause staining of the pool. Salt is available from most distributors in 40-80 pound bags.

## Amount of salt to add to the pool

Hayward salt chlorine generation systems require salt levels between 2700 and 3400 ppm. Note: Refer to individual Hayward model capabilities to operate at lower levels, covering a wider salt range of 800-8000 ppm. This amount of salt is below the level of taste for most people and is the equivalent of 1 teaspoon of salt per gallon. Since all

chlorine added to a pool eventually reverts to salt, it is very important to measure the salt level in existing pools before adding any salt.

## How to use this table

1. Locate current salt level [ex. 1400 ppm]
2. Locate pool size [ex. 24,000 gallons]
3. Find intersection of these two values to determine pounds of salt needed to raise water to 3200 ppm salt [ex. 360 lbs. of salt].

## How to add salt

After determining the amount of salt to add from the table below, hold 1 or 2 bags in reserve. Dump the remaining bags directly into the pool and brush the salt around to speed up the dissolving process. Do not allow the salt to sit in a pile at the bottom of the pool. Salt water is heavier than fresh water so the salt water will tend to accumulate at the deepest part of the pool. Run the filter system with the suction coming from the main drain for 24 hours to evenly distribute the salt throughout the pool. Note: For new plaster pools, consult with the applicator for the recommended cure time before adding salt.

## Salt Display

The salt display responds slowly to rapid changes in salt level. It takes up to 24 hours of circulation for the salt to be evenly distributed in the pool. Be patient and do not over-react by adding too much salt. If the salt level is still low after 24-48 hours, add the reserve bags [see "How to add salt" above] to the pool.

**Pounds of Salt Required for 3200 ppm**

Current Salt Level (ppm)	Pool Size – Gallons																	
	8,000	10,000	12,000	14,000	16,000	18,000	20,000	22,000	24,000	26,000	28,000	30,000	32,000	34,000	36,000	38,000	40,000	
0	213	267	320	373	427	480	533	587	<b>640</b>	693	747	800	853	907	960	1013	1067	
200	200	250	300	350	400	450	500	550	<b>600</b>	650	700	750	800	850	900	950	1000	
400	187	233	280	327	373	420	467	513	<b>560</b>	607	653	700	747	793	840	887	933	
600	173	217	260	303	347	390	433	477	<b>520</b>	563	607	650	693	737	780	823	867	
800	160	200	240	280	320	360	400	440	<b>480</b>	520	560	600	640	680	720	760	800	
1000	147	183	220	257	293	330	367	403	<b>440</b>	477	513	550	587	623	660	697	733	
1200	133	167	200	233	267	300	333	367	<b>400</b>	433	467	500	533	567	600	633	667	
<b>1400</b>	<b>120</b>	<b>150</b>	<b>180</b>	<b>210</b>	<b>240</b>	<b>270</b>	<b>300</b>	<b>330</b>	<b>360</b>	390	420	450	480	510	540	570	600	
1600	107	133	160	187	213	240	267	293	320	347	373	400	427	453	480	507	533	
1800	93	117	140	163	187	210	233	257	280	303	327	350	373	397	420	443	467	
2000	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	
2200	67	83	100	117	133	150	167	183	200	217	233	250	267	283	300	317	333	
2400	53	67	80	93	107	120	133	147	160	173	187	200	213	227	240	253	267	
2600	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	
2800	27	33	40	47	53	60	67	73	80	87	93	100	107	113	120	127	133	
3000	13	17	20	23	27	30	33	37	40	43	47	50	53	57	60	63	67	
3200	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	ideal	
3400	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	

Sanitization

**It is important to maintain salt and stabilizer levels in order to prevent scaling and to maximize system effectiveness. Test the water periodically and use standard pool industry procedures to adjust levels.**

### Salt Levels

Check salt level monthly using an independent salt test. The salt range for chlorination systems will vary, depending on the model and whether the system is low-salt capable. If a system is not low-salt capable, typically the salt range is from 2700 to 3400 ppm without any warnings being generated. If a system is low-salt capable, the salt range typically is from 1200 to 3400 ppm without any warnings being generated. For the S3 Aquarite, the alarm levels for low salt and high salt can be set by the user, which allows the salt range to be from 1000 to 8000 ppm without any warnings being generated. For any system, more chlorine will be produced as the salt level increases. On most pools, the salt level tends to slowly drift downward as fresh water is added to the pool (rain or makeup water for splash-out, back-washing, etc).

### Stabilizer 30 to 50 ppm

Check monthly. Stabilizer is also known as conditioner, cyanuric acid, or isocyanuric acid. Refer to local codes regarding its use. Stabilizer helps maintain the chlorine residual in the pool by protecting it from the UV rays of the sun. Without stabilizer, the salt chlorine generator would have to produce much more chlorine in order to keep the desired residual level in the pool. This can reduce the life of the cell. Add enough stabilizer to be near the top end of the range at the same time you add salt.

### Chlorine

Ideally, all of the chlorine in the pool should be “free chlorine” and there should be zero “combined chlorine.” “Free chlorine” means that it is not attached to any contaminants in the pool and is ready to attack any algae or bacteria that it comes in contact with. Note that test kits using the OTO method (yellow colour) only test total chlorine and can not differentiate between “free” and “combined”. DPD test kits (red colour) do allow for the testing of both total chlorine and “free chlorine”.

### pH determines Chlorine effectiveness

The recommended pH range is 7.2 to 7.8. If the pool’s pH rises above the top end of the range, the sanitizing effectiveness of the chlorine can be greatly reduced. For example: The chlorine in a pool with the pH at 7.2 is approximately ten times more effective than the same amount of chlorine in a pool with the pH at 8.2.

### Why is water chemistry important?

Continuous filtration, cleaning and sanitization are not enough — balancing pH (potential hydrogen) is vital. Chlorination should keep germs and algae at bay but when pH is unbalanced, it can’t do its job. Let the pH drop too low and the water becomes acidic and attacks anything it touches. When pH drifts up, the water becomes alkaline

and creates an environment where mineral deposits (scale) can form. Furthermore, when pH is high, chlorine becomes less effective at its primary task — killing bacteria and algae.

ORP (oxidation reduction potential) measures the oxidizing capacity in water. It is a proven measurement and maintenance technology mandated for commercial pool sanitization. Unlike most home-test processes, ORP is not fooled by the effects of pH, TDS (total dissolved solids) and other factors. Most home-test kits and strips only report free chlorine and other less effective forms of chlorine. Only ORP can deliver further detailed analysis of the more important free chlorine. It differentiates free chlorine’s components HOCl (hypochlorous acid) and OCl- (hypochlorite ion). OCl- is a slow-acting sanitizer, and HOCl is up to 300 times more effective. ORP targets HOCl, a more fine-tuned measurement of the effectiveness of chlorine and water quality.

Studies have reported on the relationship between ORP and chlorine’s activity with germs and bacteria. They’ve concluded that ORP significantly predicts water bacterial quality better than other methods. As a result, in most states, the highly regulated commercial pool industry requires ORP testing.

### What is balanced water?

Water balance is composed of several key factors — pH, total alkalinity, calcium hardness and TDS. All of these factors are important, but none more so than pH. pH is a measurement of the concentration of hydrogen ions in water. It is measured using a logarithmic scale from 0 to 14, with pH 7 being neutral.

For pool water to be in balance, all factors must be in their proper range. That range may vary slightly depending on the finish of the pool and the average temperature of the pool water. The one value that never changes is pH. It must be maintained between 7.2 and 7.8 for a pool to be considered “balanced.”

### TurboCell®

#### Right-sized salt chlorination

Hayward TurboCells come in four sizes – 40,000, 25,000, 20,000 and 15,000 gallons. The new sizes enable you to right-size your pool for the most-efficient and cost-effective chlorination possible. These cells are based on the proven TurboCell technology. They automatically generate a self-renewing supply of fresh, pure chlorine — for water that’s clean, clear and luxuriously soft.

### Live in an arid climate?

You may need a larger cell. Contact your local pool professional for more information on right-sizing pools in arid climates.

**NOTE:** \*Refer to individual Hayward model capabilities to operate at lower levels, covering a wider salt range of 800–8000 ppm.

WATER QUALITY PARAMETER	IDEAL LEVELS
<b>Salt</b>	<b>2700 to 3400 ppm*</b>
Free Chlorine	1.0 to 3.0 ppm
pH	7.2 to 7.8
<b>Cyanuric Acid (Stabilizer)</b>	<b>30 to 50 ppm**</b>
Total Alkalinity	80 to 120 ppm
Calcium Hardness	200 to 400 ppm
Metals	0 ppm
Saturation Index	-0.2 to 0.2 (optimal)

**NOTE:** \*Low salt systems have different ideal levels.

\*\*Should be lower or even 0 for indoor pools. Follow guidance of a local pool professional.

# Omni® Smart Pool & Spa Control

## CONFIGURATION GUIDE



### OmniLogic® Premium

New, premium pools and spas. OmniLogic brings the most advanced automation for fully featured backyard control.



### OmniPL® Flexible

Unmatched value in automation for new and existing mid-range pools.



### OmniHub® for Aftermarket

Easy way to add after-market control, OmniHub delivers automation to new and existing entry-level pools.

## Configuration Guide

### 1. Start with OmniLogic, OmniPL, or OmniHub Panel

Control variable-speed pumps without additional relays. OmniLogic controls 16, OmniPL controls 8, and OmniHub controls 3.

Model Number	Description	OmniLogic	OmniPL	OmniHub
HLBASE	OmniLogic 4-Relay Base with App	✓		
HLPR04W	OmniPL 4 Relay, with App ( <i>not salt capable</i> )		✓	
HLPR04SW	OmniPL 4 Relay, Salt Ready, with App		✓	
HLPLUS4W	OmniPL 4 Relay, Includes S340 T-Cell & P-Kit, with App		✓	
HLPR04NW	OmniPL 4 Relay, No Subpanel, with App ( <i>not salt capable</i> )		✓	
HLPR04NSW	OmniPL 4 Relay, No Subpanel, Salt Ready, with App		✓	
HLOMNIHUB	OmniHub wiring base unit, control pad, and smart relay, with App			✓

### 2. Optional System Expansion

OmniLogic expansion panel adds an additional system panel with the same capabilities as the base unit (HLEXPAND). I/O expansion board plugs directly into base unit and provides 4 additional valve actuator ports, 4 additional low voltage relays, and 4 additional temperature sensor ports (HLIOEXPAND).

Model Number	Description	OmniLogic	OmniPL	OmniHub
HLEXPAND	OmniLogic Expansion Panel	✓	No	No
HLIOEXPAND	IO Expansion Board	✓	No	No

### 3. Optional Additional Controls

Ability to add additional multi module relays or single smart or standard relays to Hayward Omni Controls (see compatibility chart).

Model Number	Description	OmniLogic	OmniPL	OmniHub
HLRELAYBANK	OmniLogic 4-Relay Module	✓	No	No
HLRELAY	OmniLogic/OmniPL 1-Relay Module	No	2	No
HLH485RELAY	Omni RS485 Smart Relay	No	2	3
LTSUY11300	SmartPower® 300W Wall Mount Transformer with 4 relays	✓	✓	✓
GVA-24	Actuator, 24 Volt	4 (up to 16*)	4	2
HLPMPCONV	Omni Pump Converter Board for Pentair VS Pumps	✓	✓	✓

### 4. Optional Remote Controls

Remotes include a wired or wireless with touch screen display. Website and apps are available for use on a smartphone or tablet.

Model Number	Description	OmniLogic	OmniPL	OmniHub
HLWIRELESS	Omni Wireless Waterproof Remote	✓	✓	✓
HLWALLMOUNT	Omni Wall-Mount Remote	✓	✓	No
HLSPASIDE*	Omni Wired Spa Side Remote	✓	✓	✓
HLMUDBOX	Optional Mudbox Housing for Spa Side Remote Control	✓	✓	✓
HLWLAN**	OmniLogic Wireless Network Antenna	✓	No	No

\* Requires HLMUDBOX Housing

\*\*For OmniLogics that have the black internal touchscreens

### 5. Optional Sanitization

Add Hayward Salt Plumbing Kit (P-KIT) and choose a TurboCell® based on the pool size. Sense & Dispense® also optional for fully integrated chemistry automation.

Model Number	Description	OmniLogic	OmniPL	OmniHub
P-KIT	Hayward Salt Plumbing Kit ( <i>already included with HLPLUS4W</i> )	✓	✓	No
HL-CHEM	Sense & Dispense	✓	✓	✓
HLAQRPCB	AquaRite® Daughter Board for non S-series model AquaRites only	✓	✓	✓

**NOTE:** Mobile phone and tablet are not included with Omni products. OmniLogic shown with optional remotes.

**End-to-End pool and spa control for new and existing pools. OmniHub installs quick and easily to deliver smart pool and spa control in any backyard in a matter of hours. With the ability to control virtually every piece of pool and spa equipment right from a smartphone, tablet or voice control device, OmniHub is an easy add-on to existing pool pads. Plus, with the ability to bundle with a variety of Hayward products including our industry-leading AquaRite® salt chlorination system and Hayward variable-speed pumps, your customers get an instant backyard upgrade at significant cost savings.**

### Application

- Residential, new or existing in-ground entry-level pools
- Existing pools with timeclocks or without app control

### Features and Benefits

- Affordable way to add smart pool control to nearly any pool.
- Compatible with Hayward pool products and most pool equipment brands for entire pool and spa pad control.
- Access, manage, and schedule from anywhere on your smartphone with the OmniLogic® app.
- Integrates with Amazon Alexa® for voice activated control.
- Ability to add up to 2 additional Smart Relays for even more control including booster pumps, cleaner, backyard lighting, and water features.
- OmniDirect Mode™ supports ColorLogic® LED lighting with 20 solid colour options, 7 exclusive shows and precise control of dimming, speed and more
- Simple upgrade to AquaRite® Salt Chlorination system, for both new and existing installations.

### Standard Features

- Includes wiring base unit, control pad and 1 smart relay
- External touch display for easy configuration and programming
- Fully programmable, automatic control of every output
- 1 High-voltage relay upgradeable to 3
- Controls 2 valves for Pool and Spa control, Solar Heating or Water Feature control
- 50 Configurable Favorites Buttons
- 25 Unique Programmable Themes
- Salt Chlorination compatible with optional AquaRite® daughterboard
- Built in WiFi/App Connectivity
- Web-enabled for app and voice assistant control



OmniHub wiring base unit, smart relay, and control pad. Smartphone not included.

## OmniHub Buying Guide

## EXPERT LINE®

Model Number	Description	Ctn. Qty.	Shipping Weight
HLOMNIHUB	OmniHub wiring base unit, control pad, and smart relay	1	18 lbs.

### Accessories

## OPEN LINE

HLH485RELAY	Omni® smart relay kit, includes J-Box and 6' whip	1	4 lbs.
HLPMPCONV	OmniLogic Pentair VSP Converter Board	1	1 lb.
HLAQRPCB	Omni Daughter board for existing AquaRite installations	1	1 lb.
HLWIRELESS	OmniLogic® Wireless Waterproof Remote	1	5 lbs.
HLSPASIDE	OmniLogic Wired Spaside Remote	1	3.5 lbs.
HLMUDBOX	OmniLogic Spaside Mudbox	1	0.5 lb.
HL485SPAKIT	Two valve actuators and smart relay	1	11.3 lbs.
HL-CHEM	Sense & Dispense	1	6 lbs.
AQL-CHEM2	Solenoid Valve for CO2 for pH Control, 120V	1	2 lbs.
AQL-CHEM4-ACID	Acid Pump/Tank System for pH Control, 120V	1	25.5 lbs.
AQL-CHEM4-CHLOR	Liquid Chlorine Pump/Tank System, 120V	1	25.5 lbs.

## OmniHub Pool Pad Bundles

## EXPERT LINE®

Model Number	Description	Ctn. Qty.	Shipping Weight
HL32950VSP	TriStar® VS 950 Omni variable-speed pump	1	83 lbs.
HL32900VSP	TriStar® VS 900 Omni variable-speed pump	1	70 lbs.
HL2670020VSP	Super Pump® VS 700 Omni variable-speed pump	1	63 lbs.
HL2350020VSP	MaxFlo VS™ 500 Omni variable-speed pump	1	63 lbs.

To learn more about Hayward OmniHub, visit [hayward.com/omnihub](http://hayward.com/omnihub)

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# OmniLogic®

POOL, SPA AND BACKYARD AUTOMATION SYSTEM



OmniLogic Pool and Spa Automation System; mobile phone, tablet and remotes are not included.

**Elite automation for fully featured new pool and spas. OmniLogic brings backyard control to the forefront of pool technology. Enjoy the luxuries of full automation from the most intuitive app with effortless upgrades to always keep your backyard on the cutting edge.**

### Applications

- Any pool or pool/spa combination
- Single, shared or dual equipment
- Up to 4 bodies of water

### Features and Benefits

- **Eliminate complexity.** With the most intuitive, icon-based user-interface, set your controller to fit your preferences quickly and easily
- **Modular Expandability.** Equipped with 4 relays with flexibility to upgrade. Increase to 20 relays with HLRELAY, HLRELAYBANK and HLEXPAND
- **OmniDirect Mode™.** Pair ColorLogic® LED lighting and water features with Hayward automation to get additional colour options, dimming control and more
- **Salt Compatibility.** Designed to be salt-ready and enables you to lower your salt level down to 800 ppm.
- **Compatible with Sense & Dispense®.** Let OmniLogic keep your chlorine and pH perfectly balanced.
- **Pump Control.** Full control of up to 16 Variable Speed Pumps without using any relays
- **Automatic Cover Scale-Back Mode:** automatically adjusts pump, chlorinator and heating settings for maximum efficiency when an electronic pool cover is closed
- **Compatible with Omni® Remotes:** HLWIRELESS, HLWALLMOUNT and HLSPASIDE
- **OmniLogic app:** Controlling your entire pool pad is easy, fast and intuitive. Set schedules or themes, monitor and make adjustments when desired
- **Effortless Voice Assisted Device Control.** Works with popular voice control systems like Amazon® Alexa®

## OmniLogic Base System Buying Guide

EXPERT LINE®

Model Number	Description	Ctn. Qty.	Shipping Weight
HLBASE	OmniLogic 4-Relay Base Controller	1	63 lbs.
HLEXPAND	OmniLogic Expansion Panel	1	63 lbs.
Options and Accessories		OPEN LINE	
HLRELAYBANK	OmniLogic 4 Relay Module	1	5 lbs.
HLRELAY	OmniLogic 1 Relay Module	1	1 lb.
HLPMPCONV	OmniLogic Pentair VSP Converter Board	1	1 lb.
HLAQRPCB	Omni Daughter board for existing AquaRite installations	1	1 lb.
HLIOEXPAND	OmniLogic 4x4x4 Valves, Sensors, Inputs	1	1 lb.
HLWALLMOUNT	OmniLogic Wall-Mount Remote	1	3 lbs.
HLWIRELESS	OmniLogic Wireless Waterproof Remote	1	5 lbs.
HLSPASIDE	OmniLogic Wired Spaside Remote	1	3.5 lbs.
HLMUDBOX	OmniLogic Spaside Mudbox	1	0.5 lb.
HLWLAN	OmniLogic Antenna (for Internal Display OmniLogic only)	1	2 lbs.
GVA-24	Hayward Actuator, 24 Volt	1	3 lbs.
P-KIT	Hayward Salt Plumbing Kit	1	4.3 lbs.
HL-CHEM	Sense & Dispense	1	9 lbs.
AQL-CHEM2	Solenoid Valve for CO <sub>2</sub> for pH Control, 120V	1	2 lbs.
AQL-CHEM4-ACID	Acid Pump/Tank System for pH Control, 120V	1	25.5 lbs.
AQL-CHEM4-CHLOR	Liquid Chlorine Pump/Tank System, 120V	1	25.5 lbs.

Discover how Hayward can help you sell more pools, more features, more everything! Learn about the Omni Interactive Sales tool at [hayward.com/interactive](http://hayward.com/interactive)

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### Standard Features

- Built-in touch display for easy configuration and programming
- Fully programmable, automatic control of every output
- 4 High-voltage relays upgradeable to 20
- 4 Valve Actuator relays upgradeable to 16
- Controls up to 16 Hayward variable speed Pumps without using a relay
- Controls up to 5 heaters per body of water
- 100A Subpanel with 12 Breaker Slots
- 50 Configurable Favorites Buttons
- 25 Unique Programmable Themes
- Salt Chlorination Ready
- Ethernet/App Connectivity, Wifi/App
- Web-enabled for app and voice assistant control

**Unmatched value in automation for new and existing pools and spas. OmniPL leverages the OmniLogic® platform and easy-to-use app, where you can customize the level of smart control. Simplify pool ownership by integrating salt chlorination options with your automation.**

### Applications

- Residential, new or existing in-ground pools
- Single, shared or dual equipment

### Features and Benefits

- **Ease of Installation.** External control display equipped with 15-foot cord.
- **Pump Control.** Full control of up to 8 Hayward Variable Speed Pumps without using any relays. Can also control Pentair VS Pumps with HLPMPCONV.
- **Modular Expandability.** Equipped with 4 relays with flexibility to upgrade. Increase to 6 relays with (2)-HLRELAY, increase to 8 relays with additional (2)-HLH485Relay.
- **OmniDirect Mode™.** Supports ColorLogic® LED lighting with 20 solid colour options, 7 exclusive shows and precise control of dimming, speed and more.
- **Salt Compatibility.** Select models are ready for salt once you add a Hayward salt cell (PRO4S/4NS models). The HLPLUS4W model includes a S340 T-Cell and P-Kit.
- **Compatible with Omni® Remotes:** HLWRELESS, HLWALLMOUNT and HLSPASIDE
- **OmniLogic app** allows you to monitor, set schedules and control your entire backyard at home or on the go (only available on W models).
- **Effortless Voice Assisted Device Control.** Works with popular voice control systems like Amazon® Alexa® (only available on W models)

### Standard Features

- External touch display for easy configuration and programming
- Fully programmable, automatic control of every output
- 4 High-voltage relays upgradeable to 8
- 4 valve actuators
- Controls up to 8 pumps without using a relay
- 100A Subpanel with 8 Breaker Slots
- 50 Configurable Favorites Buttons
- 25 Unique Programmable Themes
- Salt Chlorination Ready (PRO4S/4NS models); the HLPLUS4W model includes a S340 T-Cell and P-Kit
- Web-enabled for app and voice assistant control (W models)



**OmniPL Smart Pool and Spa Control shown with app and optional wireless remote. Mobile phone, tablet and remote are not included.**

## OmniPL Buying Guide

**EXPERT LINE®**

Model Number	Description	Ctn. Qty.	Shipping Weight
HLPRO4W	OmniPL 4 Relay with App <i>(not salt capable)</i>	1	37 lbs.
HLPRO4SW	OmniPL 4 Relay, Salt Ready with App	1	37 lbs.
HLPLUS4W	OmniPL 4 Relay, Salt Cell with App	1	40 lbs.
HLPRO4NW	OmniPL 4 Relay, No Sub, with App <i>(not salt capable)</i> .	1	33 lbs.
HLPRO4NSW	OmniPL 4 Relay, No Sub, Salt Ready with App	1	33 lbs.

### Accessories

**OPEN LINE**

HLRELAY	OmniLogic/OmniPL 1-Relay Module	1	1 lb.
HLH485RELAY	Omni RS485 Smart Relay	1	4 lbs.
LTSUY11300	SmartPower® 300W Wall Mount Transformer with 4 relays	1	12.5 lbs.
GVA-24	Actuator, 24 Volt	1	3 lbs.
HLWIRELESS	OmniLogic Wireless Waterproof Remote	1	5 lbs.
HLWALLMOUNT	OmniLogic Wall-Mount Remote	1	3 lbs.
HLSPASIDE	OmniLogic Wired Spa Side Remote	1	3.5 lbs.
HLMUDBOX	OmniLogic Spaside Mudbox	1	0.5 lb.
P-KIT	Hayward Salt Plumbing Kit	1	4.3 lbs.
HLAQRPCB	Omni Daughter board for legacy AquaRite installations	1	1 lb.
HLPMPCOMV	Omni Pentair VSP Converter Board	1	1 lb.
HLCHEM	Sense & Dispense®	1	9 lbs.
AQL-CHEM2	Solenoid Valve for CO2 for pH Control, 120V	1	2 lbs.
AQL-CHEM4-ACID	Acid Pump/Tank System for pH Control, 120V	1	25.5 lbs.
AQL-CHEM4-CHLOR	Liquid Chlorine Pump/Tank System, 120V	1	25.5 lbs.
HLPROUPG	AquaLogic/ProLogic® to OmniPL Upgrade Kit	1	10 lbs.

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# Omni Remotes

REMOTES FOR OMNI AUTOMATION

OPEN LINE



Omni Wall-Mount Control



Omni Wired Spaside Touchpad and Mud Box



Omni Wireless Remote

## Omni Remotes Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
HLWIRELESS	Omni wireless waterproof touchscreen remote	1	4 lbs.
HLWALLMOUNT*	Omni wired wall-mount touchscreen remote	1	3 lbs.
HLSPASIDE	Omni wired spaside touchpad	1	4 lbs.
HLMUDBOX	Omni spaside mud box	1	1 lb.

**NOTE:** \*Not compatible with OmniHub/VS Omni or S3 Omni.

### Tap Into Luxury with User-Friendly Controls

From intuitive, elegant wireless remotes to practical, built-in touchpads, Hayward® offers a variety of options to control OmniLogic®, OmniPL®, OmniHub® and S3 Omni® systems inside, outside, spaside—or even from the middle of the water.

Convenient options for pool, spa and backyard control.

### Omni Wireless Remote

#### Features

- Wireless, waterproof, buoyant design
- Offers complete control of pool, spa and backyard features
- Intuitive user interface and touchscreen for easy operation day and night
- Connects to home Wi-Fi® networks
- Battery life of up to two days
- Includes charging cradle

### Omni Wall-Mount Control

#### Features

- Wired, full-function, wall-mount control
- Offers complete control of pool, spa and backyard features
- Intuitive user interface and touchscreen for easy operation day and night
- For indoor or protected outdoor use
- Works with OmniLogic and OmniPL systems only

### Omni Wired Spaside Touchpad and Mud Box

#### Features

- Wired, 6-button spaside control
- Ideal addition to spa builds or renovations
- Customizable touchpad offers control of spa features including temperature, spa mode, lights, jets, blower and themes
- Low-profile design allows for flush installation against spa surfaces or tile line
- Fully potted design provides protection from the elements

### More about OmniLogic, OmniPL, OmniHub and S3 Omni

Hayward Omni Controls deliver total pool, spa and backyard control from anywhere. OmniLogic is ideal for new, largescale builds, OmniPL is ideal for midrange pools and renovations and OmniHub is a perfect add-on to existing pools and spas or new builds with standard equipment. All systems offer simple mobile access and control of features and settings including heating, lighting, filtration and cleaning. They also integrate with popular home automation systems like Control4 and Creston, while the voice control is available through Amazon® Alexa for added convenience.



OmniLogic



OmniPL

Automation

Complete Omni<sup>®</sup> Control,  
Without A Completely New System.

The OmniPL Retrofit Kit is the best way to give new life to an existing automation system, bringing full-featured Omni functionality to a wide array of ProLogic<sup>®</sup> or AquaLogic<sup>®</sup> controls—with installation in an hour or less.

**Applications**

- Easy upgrade for existing AquaLogic/ProLogic automation systems (4-8 relays)

**Features and Benefits**

- **Ease of Installation.** External relocatable touchscreen control display equipped with 15-foot cord
- **Pump Control.** Full control of up to 8 Hayward Variable Speed Pumps without using any relays. Can also control Pentair VS Pumps with HLPMPCONV. Visit Hayward.com for compatibility.
- **Modular Expandability.** Existing P4/PS4 systems can be expanded to accommodate anywhere from 1 to 4 more high voltage relays, while existing PS8 systems can be expanded to accommodate either 1 or 2 more high voltage relays.
- **SmartPower Control.** Optimized for use with Omni automation systems, providing more control than ever. Easily alternate the colors for up to four zones of lighting from one transformer.
- **OmniDirect Mode™.** Supports ColorLogic<sup>®</sup> LED lighting with 20 solid colour options, 7 exclusive shows and precise control of dimming, speed and more (when paired with select ColorLogic models manufactured after July 2018).
- **Salt Compatibility.** Your upgrade is ready for salt once you add a Hayward Salt Cell
- **Compatible with Omni<sup>®</sup> Remotes:** HLWIRELESS, HLWALLMOUNT and HLSPASIDE
- **OmniLogic app** allows you to monitor, set schedules and control your entire backyard at home or on the go
- **Effortless Voice Assisted Device Control.** Works with the Amazon<sup>®</sup> Alexa<sup>®</sup> voice control system.

**NOTE:** \*The retrofit kit is not compatible with any ProLogic or AquaLogic legacy wireless, wallmount, desktop, or spaside remote controls. Existing Sense & Dispense system may not be compatible, depending on it's age.



OmniPL Retrofit Kit. Mobile phone not included.

OmniPL Retrofit Kit Buying Guide

EXPERT LINE<sup>®</sup>

Model Number	Description	Warranty	Ctn. Qty.	Shipping Weight
HLPROUPG	ProLogic to OmniPL Upgrade Kit	3 year	1	10 lbs.
<b>Accessories</b>			<b>OPEN LINE</b>	
HLWIRELESS	OmniLogic Wireless Waterproof Remote		1	5 lbs.
HLWALLMOUNT	OmniLogic Wall-Mount Remote		1	3 lbs.
HLSPASIDE	OmniLogic Wired Spa Side Remote		1	3.5 lbs.
HLMUDBOX	OmniLogic Spaside Mudbox		1	0.5 lb.
HLRELAY	OmniLogic 1-Relay Module		1	1 lb.
HLH485RELAY	Omni RS485 Smart Relay		1	4 lbs.
LTSUY11300	SmartPower <sup>®</sup> 300W Wall Mount Transformer with 4 relays		1	12.5 lbs.
GVA-24	Actuator, 24 Volt		1	3 lbs.
P-KIT	Hayward Salt Plumbing Kit		1	4.3 lbs.
HLAQRPCB	Omni Daughter board for existing AquaRite installations		1	1 lb.
HLPMPCOMV	OmniLogic Pentair VSP Converter Board		1	1 lb.
HL-CHEM	Sense & Dispense <sup>®</sup>		1	9 lbs.

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Automation

# ProLogic®/OmniPL® Replacement Comparison

AUTOMATION, CHLORINATION AND TOTAL POOL CHEMISTRY

EXPERT LINE

Use the chart below to select the OmniPL replacement for ProLogic model that matches your system requirements.

Feature	P-4	HLPRO4W	PS-4/8	HLPRO4SW	HLBASE	Comments
<b>Variable Speed Pump control</b>	2/8	8	2/8	8	16	Omnis up to 8/16 VSP pumps full speed control no relays
<b>Auxiliary relay outputs</b>	4	4-8*	4 or 8	4-8*	4-20*	P4/PS4 2 multi speed/up to 6 as single speed 3HP, 120/240VAC *upgradeable with HLRelay, HLRelaybank and HLH485Relay
<b>Gas heater/heat pump control</b>	1	3	2*	3	4-8**	controls up to X heat sources, Omnis controls heat/cool
<b>Valve control</b>	3	4	4*	4	4-16**	24VAC, purchase GVA-24 valve actuators separately *using 2nd heater disables 4th valve output **using HLIOEXPAND and HLEXPAND
<b>Salt Chlorination</b>	✓	No	✓	✓	✓	Choose a 40K, 25K or 15K cell; plumbing kit required (includes flow switch and unions)
<b>Color Light Control</b>	No	Full	No	Full	Full	P4/PS4 manual colour light control, Omnis control for Hayward (OmniDirect if available), Pentair and Jandy colour lights
<b>Apple/Google Apps</b>	Optional	✓	Optional	✓	✓	apps for Apple/Android phones/tablets to control pool/spa
Built-in subpanel	100A	100A	100A	100A	100A	8 position tub, accepts 125A feeds, derated per NEC to 100A
Knockouts of optional GFI outlet	1	1	1	1	1	side of enclosure, GFI outlet not included
Relocatable touch screen display	No	✓	No	✓	✓	Omnis have 15 ft relocatable display, all units allows programming at pool equipment pad
Themes/Groups/Macros	1	25	2	25	25	perform multiple functions with one button
Favorites/Soft Keys	0	50	0	50	50	additional keys for assigning functions
AquaRite® control	✓	✓	✓	✓	✓	controls 1 or more AquaRites for additional chlorination, Omnis require HLAQRPCB
Shared equipment for pool and spa	✓	✓	✓	✓	✓	operates pool/spa suction and return valves, allows spillover
Dual equipment for pool and spa	No	✓	✓	✓	✓	P4/PS4/8 solar function not available with dual equipment
Dual equipment with shared heater	No	✓	✓	✓	✓	controls a single heater to heat both pool and spa
Bodies of Water Supported	2	4	2	4	4	Omnis can control from your basic pool to 2 pools/2 spas on the same controller
Pool filter pump timer	4	24	4	24	24	programmable on/off periods per day
Spa pump timer	2	24	2	24	24	2 periods per day, spa has priority over all other functions
Manual on with countdown timer	✓	✓	✓	✓	✓	P4/PS4 5 minutes to 21 hours, Omnis 1 min to 24 hours
Freeze protection	✓	✓	✓	✓	✓	disable or enable with adjustable threshold 33-42°F
<b>Auxiliary Relay functions</b>						
Programmable names	None	Custom	Pre named	Custom	Custom	pre named examples: "spa jets", "blower", "water feature", etc.
Manual on/off	✓	✓	✓	✓	✓	turn any relay powered equipment on and off manually
Countdown timer (egg timer)	✓	✓	✓	✓	✓	manual on, automatically turns off after programmed elapsed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar boost pump	✓	✓	✓	✓	✓	turns on when solar heat is available
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	enable/disable, output off when filter pump off or in spa-only mode
<b>Valve output functions</b>						
Manual on/off	No	✓	✓	✓	✓	manual on/off control of all relays
Default on speeds	No	✓	✓	✓	✓	turn on specific speeds for water features
Countdown timer (egg timer)	No	✓	✓	✓	✓	manual on, automatically turns off after programmed time
Timeclock	✓	✓	✓	✓	✓	24 hour timeclock, weekday/weekend capability, Omnis daily capability
Solar	✓	✓	✓	✓	✓	turns on when solar heat is available
In-floor cleaner	30/30	Custom	30/30	Custom	Custom	30 minutes in one position, 30 minutes in the other, Omnis custom
Interlock function	Simple	Advanced	Simple	Advanced	Advanced	P4/PS4 to filter pump or spa mode, omni custom scenarios for interlocks
<b>Gas heater/heatpump control</b>						
Separate settings for pool and spa	✓	✓	✓	✓	✓	65-104°F, with off position, Omni custom min/max
Heater cooldown	✓	✓	✓	✓	✓	enable/disable, runs filter pump for 5 minutes after heater turns off
Heating and Cooling Control		✓		✓	✓	Operate Hayward Cooling Down to 40C (model dependent)
Heater extend	✓	✓	✓	✓	✓	enable/disable, extends normal filter time if pool is not up to temperature
Manual off-automatic button	No	✓	✓	✓	✓	manual on/off of all valves
Solar control built in	✓	✓	✓	✓	✓	enable/disable, 65-104°F, separate pool and spa settings
<b>Additional Accessory Control</b>						
Sense and Dispense®	✓	✓	✓	✓	✓	chemistry automation
AquaPod® 2.0/HLWireless	Pod	Wireless	Pod	Wireless	Wireless	waterproof, hand held rechargeable remote control
Wired wall remote display/keypad	Buttons	Touch	Buttons	Touch	Touch	P4/PS4 wired button remote, Omnis touchscreen remote
Wired spaside remote	✓	✓	✓	✓	✓	6 functions, waterproof
Wireless antenna	Option	Built In	Option	Built In	Built In	P4/PS4 required for remotes, Omnis included in base
OmniDirect Light Controls	No	✓	No	✓	✓	20 colors, direct to color, dimming and show speed change
Home Automation Integration	No	Included	Optional \$	Included	Included	free integration with most top home automation companies
Apple and Google Apps	Optional \$	Included	Optional \$	Included	Included	industries best pool and spa control app
Apple Watch Controls	No	Included	No	Included	Included	control your pool and spa with your Apple watch
Amazon Alexa	No	✓	No	✓	✓	use voice control to check on and control your pool and spa

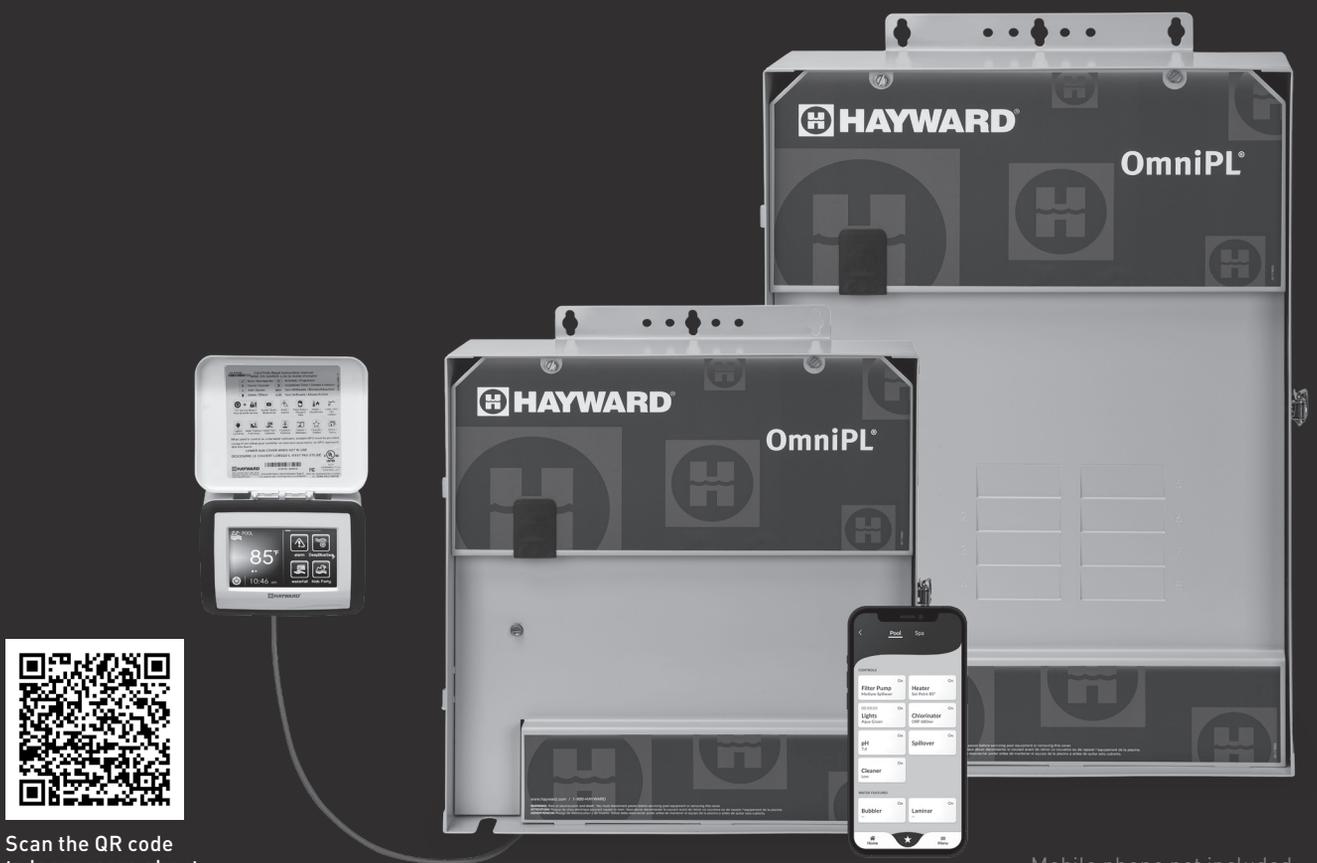
\*Replacement for PL-P-4: HLPRO4W (No Salt with Web); Replacement for PL-PS-4: HLPRO4SW (Salt with Web); Replacement for PL-PS-8: HLBASE + HLRELAYBANK (Salt with Web)

Automation

# SIMPLE IS BETTER.

OMNIPL®

OmniPL Smart Pool and Spa Control offers a wide range of customization options—so you can choose the features you need, and only pay for the automation you want. Designed to offer the same high-end capabilities as Hayward's leading OmniLogic® system, OmniPL brings control for variable-speed pumps, salt systems, lighting and more to any mid-range pool build or renovation.



Scan the QR code to learn more about Better Automation

Mobile phone not included.

# Controls

## VALVE ACTUATOR

OPEN LINE



Valve Actuator

### Valve Actuator Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
<b>Actuator</b>			
GVA-24	Valve actuator, 24V, .75A, 20 ft. cable	1	3 lbs.

The GVA-24 Valve Actuator rotates 2-port and 3-port valves automatically. Use it with any Omni platform to automate pool/spa operation, cleaner operation, water features, or a variety of other uses. The industry standard configuration of the GVA-24 means that it is compatible with all major manufacturer's valves and pool automation systems. The unique cam setting feature ensures a quick and easy installation with the precise control of water flow.

For the installers' convenience, kits that combine the GVA-24 valve actuator with 3-port valves are available. For solar heating installations, solar kits are available that combine a valve actuator, 3-port valve and temperature sensor.

### Applications

- Pool/Spa suction and return valves
- Water feature valves
- Cleaner valves
- Solar valves
- Any 2-port or 3-port valve

### Features

- Industry standard configuration, use with any valves
- Operates 2-port or 3-port valves
- Easy to adjust cams
  - ✓ Allows actuator to be in mounted in any position
  - ✓ Up to 180 degree rotation with 12.8 degree increments
- Manual Switch
  - ✓ Mounted underneath actuator to minimize tampering
  - ✓ ON1-OFF-ON2
- Allows manual rotation in the event of a power outage
- Highest torque rating available
- 20 ft. cable with industry standard plug
- UL and CUL Listed

## EXPERT LINE

**AquaSolar – Total Solar Control System with dual digital display of pool water, solar collector and auxiliary sensor temperatures plus full system diagnostic LEDs. Single-dial adjustment lets pool owners set desired pool temperature effortlessly. Other user-customizable features include selectable high limit (from 70°F to 140°F), programmable recirculation freeze protection and nocturnal cooling.**

**AquaSolar TC – AquaSolar Time Clock model provides all the capabilities of the AquaSolar plus an integral time clock for 24-hour control of the pool's main pump and filtration system. The time clock is programmable in 15-minute increments and can have multiple on/off times. There's also an exclusive solar override feature that maximizes solar gain while minimizing electricity usage.**

**AquaSolar GL-235 – North America's best-selling solar control is designed for easy and dependable operation. Its microprocessor-based technology ensures reliable and accurate performance. Advanced features include differential temperature control, selectable high limit, programmable recirculation freeze protection, nocturnal cooling, and optional booster pump control.**

### Features

- Automatically maximizes solar heat collection
- Precise, easy-to-read, calibrated temperature setting
- Electronics in UV-protected locking weatherproof enclosure
- LED indicators show status of system operations
- Automatic switching (selectable) from solar pool heating to nocturnal pool cooling
- Single-setting adjustment for desired pool/spa temperature
- Recirculation freeze protection
- Installer-programmable features for any-system adaptability
- cULus or cETLus approved

### Benefits

- Quick, accurate, easy-to-set desired temperature controls
- Ensures protection from the elements; guards against tampering
- Easy to read, understand and operate
- One-control for just right automation
- Selectable option activates solar when ambient temperature nears 32°F
- Assurance of safety and performance

### Application

- AquaSolar Control for pool or spa heating and cooling



AquaSolar TC



AquaSolar GL-235

## AquaSolar Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>Solar Pool Controls</b>			
GL-235	AquaSolar pool control, 12/24VAC and 120/240VAC output	1	8 lbs.
AQ-SOL-LV	AquaSolar with LV output	1	25 lbs.
AQ-SOL-LV-TC	AquaSolar with LV and HV output, timeclock 3 H.P. relay	1	25 lbs.
GLX-RELAY	Optional 3 H.P. relay for AquaSolar HV outputs	1	1 lb.
<b>Sensors</b>			
GLX-PC-12-KIT	Kit, temp sensor 15' wire length, plus clamp	1	1 lb.

**NOTE:** \*All sensors are interchangeable thermistor type: 10K ohm @ 77°F/25°C.

## AquaSolar Control Combination Packages Ordering Info

### How to Order:

Specify the desired valve and sensor pack to be included with the combo.

### Example for:

AQ-SOL-LV control with 1 1/2"/2" 3 way positive seal valve and 2 PC sensors  
ASC-1P-A-LV

Model Number	Description
GLC-__-__	GL-235 control with valve actuator and sensors
ASC-__-__-LV	AQ-SOL-LV control with valve actuator and sensors
ASC-__-__-TC	AQ-SOL-LV-TC control with valve actuator and sensors

### 3 Way Valve choice of:

- 1P 1 1/2"/2" 3-way positive seal valve
- 2P 2"/2 1/2" 3-way positive seal valve

### Sensor Pack choice of:

- A 2 PC sensors
- B 1 PC sensor, 1 SC-1/4 sensor

# Universal ColorLogic® 2.0

12V LED POOL AND SPA LIGHTS

EXPERT LINE



Universal ColorLogic 2.0 Pool and Spa Lights

Universal ColorLogic 2.0 LED lights retrofit in virtually any existing pool or spa — transform your backyard with vibrant colour.

Pool owners can choose from 10 solid colours and 7 dynamic, colour-changing light shows to set the perfect theme for any occasion. Plus, when integrated with Hayward Omni® Automation Systems, Universal ColorLogic 2.0 offers 10 additional colours and advanced features such as enhanced navigation, dimming, and speed control. Discover how Hayward's brilliant pool and spa lighting can transform any backyard environment into an oasis of colour.

### Applications

- Residential in-ground pool or spa

### Features

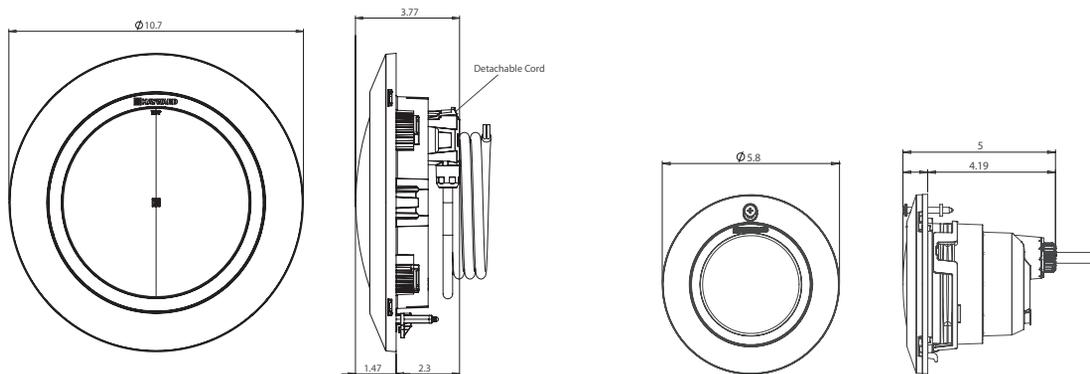
- LED pool and spa lights UL listed for safe installation in virtually any manufacturer's niche
- Industry leader in colour
- Detachable cord for ease of service – **NEW**, for pool lights only
- Directional optics for glare reduction
- Adjustable lower catch to overcome variations in plaster depth – **NEW**, for pool lights only
- Easily adjust to angled niches using the rotatable mounting flange – **NEW**, for pool lights only
- Stainless steel trim options – **NEW**, for pool lights and spa lights only

## Universal ColorLogic 2.0 Buying Guide

Standard Switched Light	Pool or Spa	Voltage	Cord Length	Ctn. Qty.	Ctn. Weight
LPCUS22030	Pool	12	30'	1	7 lbs.
LPCUS22050	Pool	12	50'	1	9 lbs.
LPCUS22100*	Pool	12	100'	1	14 lbs.
LPCUS22150*	Pool	12	150'	1	19 lbs.
LSCUS22030	Spa	12	30'	1	4 lbs.
LSCUS22050	Spa	12	50'	1	6 lbs.
LSCUS22100*	Spa	12	100'	1	11 lbs.
LSCUS22150*	Spa	12	150'	1	16 lbs.

**NOTE:** \*For cord lengths of 100 ft. or greater, use a 14V transformer output to ensure optimal performance.

### Overall Dimensions (inches)



LED Pool Light

LED Spa Light

Lighting

Universal ColorLogic is the first colour LED pool and spa light bright enough to illuminate millions of pools with just one light. 100% brighter than any LED pool light available, these energy-efficient lights deliver spectacular colour.

Pool owners can choose from 10 solid colours and 7 dynamic, colour-changing light shows to set the perfect theme for any occasion. Plus, when integrated with Hayward automation systems, Universal ColorLogic offers additional colours and advanced features such as enhanced navigation, dimming, and speed control. Discover how Hayward's brilliant pool and spa lighting can transform any backyard environment into an oasis of colour.

### Applications

- Residential in-ground pool or spa

### Features

- LED pool and spa lights UL listed for safe installation in virtually any manufacturer's niche
- Industry leader in colour
- Directional optics for glare reduction



Universal ColorLogic Pool and Spa Lights

## Universal ColorLogic Buying Guide

Standard Switched Light	Pool or Spa	Voltage	Cord Length	Ctn. Qty.	Ctn. Weight
LPCUS11030	Pool	12	30'	1	7 lbs.
LPCUS11100*	Pool	12	100'	1	14 lbs.
LSCUS11030	Spa	12	30'	1	4 lbs.
LSCUS11100*	Spa	12	100'	1	11 lbs.

### Accessories

Model Number	Description
SP3495C	Deck Box
SP3495CDGR	Deck Box - Dark Gray

### 300-Watt Transformer Buying Guide

LTBCY11300	300W Wall Mount Transformer (pre-wired with on/off switch and 120V linecord)
LTSUY11300*	300W Wall Mount Smart Transformer w/4 relays

**NOTE:** \*This SKU is for use with Hayward Omni Automation only



Universal CrystaLogic White LED Lights

**Universal CrystaLogic White LED Pool and Spa Lights** deliver bright, longer-lasting LED lighting for residential or commercial pools and spas. Universal CrystaLogic White LED Lighting represents a breakthrough technology for the illumination of any water feature or body of water. The optimized LED and optic design delivers both extraordinary lumen per watt energy efficiency and associated long lifetime cost. Our 500W equivalent LED Light is the only white LED light to deliver lumens equal to that of a 500W incandescent light. Our 300W pool equivalent delivers the same lumens as the leading competitor's claimed 500W equivalent and offers savings of 86% vs. incandescent equivalents.

### Universal CrystaLogic White LED Buying Guide

Model Number	Wattage Equivalent/Lumens	Pool or Spa	Voltage	Cord Length	Ctn. Qty.	Shipping Weight
LSLUS221030	100W/1100	Spa	12	30'	1	4 lbs.
LSLUS221050	100W/1100	Spa	12	50'	1	6 lbs.
LSLUS221100	100W/1100	Spa	12	100'	1	11 lbs.
LSLUS221150	100W/1100	Spa	12	150'	1	16 lbs.
LPLUS221030	300W/3300	Pool	12	30'	1	7 lbs.
LPLUS221050	300W/3300	Pool	12	50'	1	9 lbs.
LPLUS221100	300W/3300	Pool	12	100'	1	14 lbs.
LPLUS221150	300W/3300	Pool	12	150'	1	19 lbs.
LPWUS11030	500W/4900	Pool	12	30'	1	7 lbs.
LPWUS11050	500W/4900	Pool	12	50'	1	9 lbs.
LPWUS11100*	500W/4900	Pool	12	100'	1	14 lbs.
LPWUS11150*	500W/4900	Pool	12	150'	1	19 lbs.
LPWUS11200*	500W/4900	Pool	12	200'	1s	33 lbs.

**NOTE:** \*For cord lengths of 100ft or greater, use a 14V transformer output to ensure optimal performance.

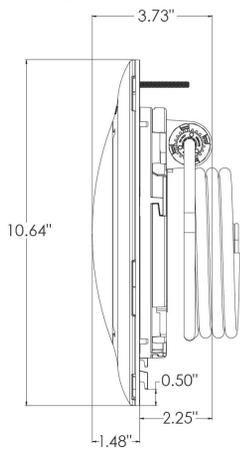
### Applications

- Residential or commercial, in-ground, pool or spa

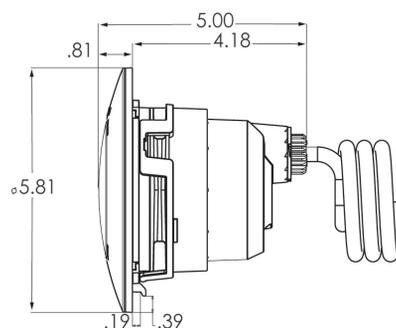
### Features and Benefits

- Variable Intensity mode enables (5) easily selectable light outputs (20%, 40%, 60%, 80%, 100%) when configured to Variable Intensity mode
- Uses up to 86% less energy than incandescent lights and lasts up to 10 times longer
- Retrofit into most manufacturers' niches
- 12V, 2-wire, all-plastic construction with an unbreakable lens make these lights intrinsically safe and easy to install
- Can be installed as close as 4" from the waterline and upward facing without a rock guard, suitable for main pool/spa illumination, beach entries, steps, shelves, water features, etc.
- UCL Thin Niche provides incredible installation savings for new construction
- Multiple colour trim rings available to match surface finish. Ships with white and silver luster starburst trim rings
- UL and cUL Listed

Lighting



LED Pool Light



LED Spa Light

# Universal CrystaLogic® 2.0

12V LED WHITE POOL AND SPA LIGHTS

## EXPERT LINE

Universal CrystaLogic White LED Pool and Spa Lights deliver bright, longer-lasting LED lighting for residential or commercial pools and spas. Universal CrystaLogic White LED Lighting represents a breakthrough technology for the illumination of any water feature or body of water. The optimized LED and optic design delivers both extraordinary lumen per watt energy efficiency and associated long lifetime cost.

### Applications

- Residential or commercial, in-ground, pool or spa

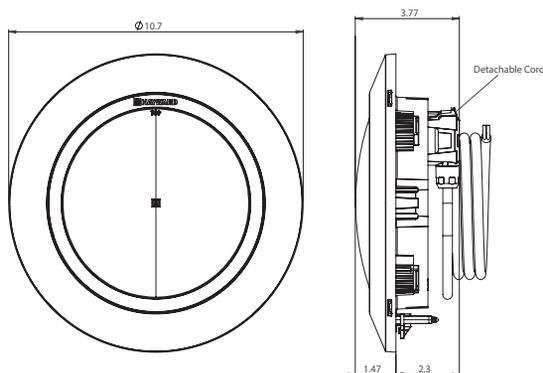
### Features

- UL listed for safe installation in virtually any manufacturer's niche
- Directional optics for glare reduction

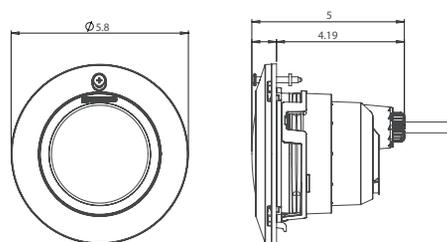
### Pool Lights Features

- Detachable cord for ease of service (*pool lights only*)
- Adjustable lower catch to overcome variations in plaster depth
- Easily adjust to angled niches using the rotatable mounting flange
- Stainless steel trim options

### Overall Dimensions (inches)



LED Pool Light



LED Spa Light



Universal CrystaLogic White LED Lights

## Universal CrystaLogic White LED Buying Guide

Model Number	Wattage Equivalent/ Lumens	Pool or Spa	Voltage	Cord Length	Ctn. Qty.	Shipping Weight
LSLUS221030	100W/1100	Spa	12	30'	1	4 lbs.
LSLUS221050	100W/1100	Spa	12	50'	1	6 lbs.
LSLUS221100*	100W/1100	Spa	12	100'	1	11 lbs.
LSLUS221150*	100W/1100	Spa	12	150'	1	16 lbs.
LPLUS221030	300W/3300	Pool	12	30'	1	7 lbs.
LPLUS221050	300W/3300	Pool	12	50'	1	9 lbs.
LPLUS221100*	300W/3300	Pool	12	100'	1	14 lbs.
LPLUS221150*	300W/3300	Pool	12	150'	1	19 lbs.

**NOTE:** \*For cord lengths of 100 ft or greater, use a 14V transformer output to ensure optimal performance.

# ColorLogic® Bulb

120V LED POOL LIGHTS

OPEN LINE



ColorLogic LED Pool Bulb

The ColorLogic LED Replacement Pool Bulb is a quick, cost-effective way to upgrade a standard incandescent pool light to a vibrant, colour-rich, energy-efficient LED. Simple installation that doesn't require costly rewiring or fixture replacements, and a UL-listing ensures seamless retrofitting into Hayward® AstroLite™, DuraLite™, or other 120V pool housings — making ColorLogic lights the best way to add vibrant colour to any pool.

### Applications

- Residential in-ground pool replacement bulb

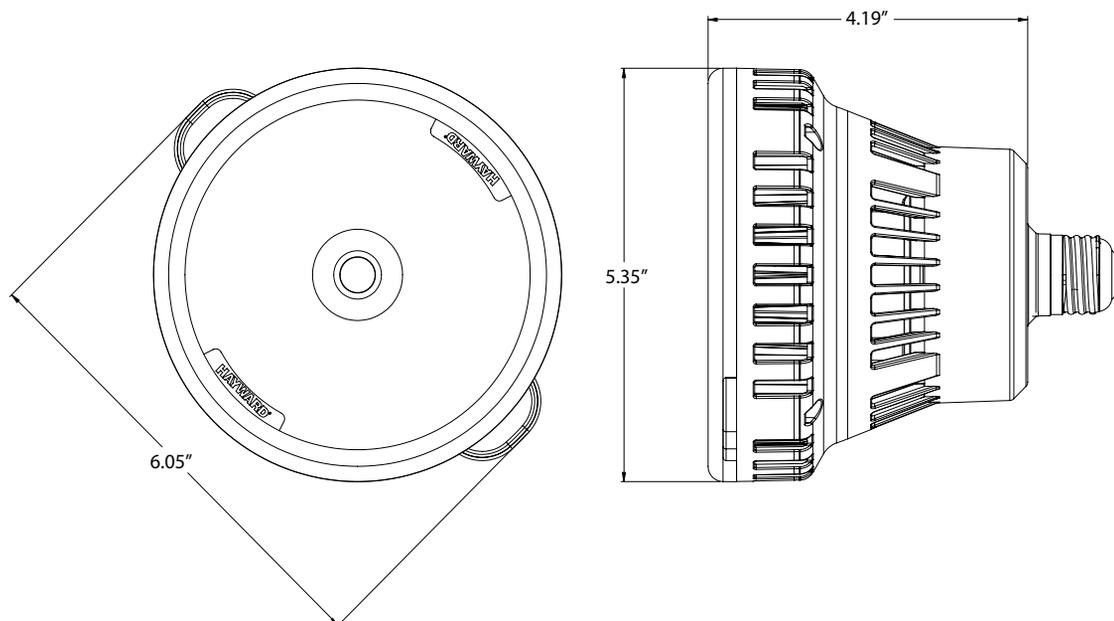
### Features and Benefits

- Comes standard with 10 fixed colours and 7 colour-changing light shows
- Can be paired with Hayward Omni® automation systems to unlock OmniDirect Mode™ for 10 additional colours, instant navigation to colours and shows, dimming and speed control
- 92% more energy efficient than incandescents
- Longer-lasting, 10X the life of a typical incandescent bulb
- Easily retrofits to Hayward AstroLite and Duralite housings or most 300–500W 120 incandescent pool fixtures
- R40 LED Bulb is an easy, energy-efficient upgrade
- UL and cUL Listed

## ColorLogic Bulb Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
BPCUS11120	ColorLogic Bulb, 120V	1	2 lbs.

## Overall Dimensions (inches)



Lighting

ColorLogic® 320 & 160 1.5-inch LED lights are ideal for discreet pool and spa lighting, or highlighting water features, baja shelves, steps, landscaping and more. Featuring ColorLogic's 10 fixed colours and 7 colour-changing shows for total colour coordination. Pair with Hayward Omni automation for additional colours and advanced features such as enhanced navigation, dimming, and speed control. With ColorLogic, you can expect to offer a striking, expertly coordinated environment for all your customer's backyard occasions.

**Applications**

- Residential in-ground pool, spa or landscape lighting

**Features**

- 1.5-inch light installs at just 4 inches below the waterline and in as little as 9 inches of PVC Conduit
- Ideal for lighting steps, water features, baja shelves, bubblers and more
- Lasts 10 times longer than incandescent lights
- 10 fixed colours and 7 colour-changing shows
- 10 additional colours, faster navigation, dimming and speed control with OmniDirect Mode when paired with Hayward Omni automation systems
- High lumen models are configurable to 2 brightness levels
- cUL-listed for safe wall or floor installation



ColorLogic 320 & 160 1.5-inch LED Lights

**ColorLogic 320 & 160 LED Lights Buying Guide**

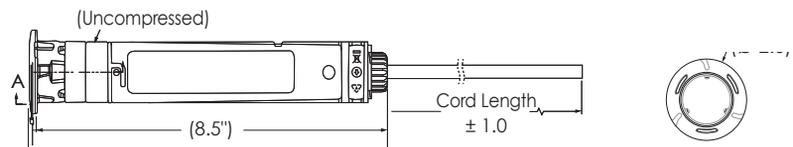
Standard Switched Lights	Description	Ctn. Qty.	Ctn. Weight
<b>High Lumen ColorLogic 320 12V LED Lights</b>			
LACUS11030	1.5-inch LED light, 30 ft. cord	1	4 lbs.
LACUS11050	1.5-inch LED light, 50 ft. cord	1	5.2 lbs.
LACUS11100*	1.5-inch LED light, 100 ft. cord	1	8.2 lbs.
LACUS11150*	1.5-inch LED light, 150 ft. cord	1	11.2 lbs.
<b>Standard Lumen ColorLogic 160 12V LED Lights</b>			
LYCUS11100	1.5-inch LED light, 100 ft. cord	1	8.2 lbs.

**NOTE:** \*For cord lengths of 100 ft or greater, use a 14V transformer output to ensure optimal performance.

**ColorLogic 320 & 160 LED Light Kits Buying Guide**

Light Kits	Description	Ctn. Qty.	Ctn. Weight
<b>High Lumen ColorLogic 320 12V LED Lights with fitting</b>			
LACCS11050	1.5-inch LED light with fitting, 50ft. cord	1	5.3 lbs
LACCS11100	1.5-inch LED light with fitting, 100 ft. cord	1	5.3 lbs

**Overall Dimensions (inches)**



# ColorLogic® 80

12V LED POOL, SPA AND BACKYARD LIGHTS

**EXPERT LINE**



ColorLogic 80 1/2 inch LED Lights

Hayward's ColorLogic 80 1/2-inch LED lights deliver rich, colourful detail. These discreet lights are designed to brighten hard-to-illuminate areas such as steps, decking, water features and more — allowing backyard creativity to shine. Easy to install in wet or dry environments, these versatile lights install in 1/2" PVC conduit and last 10 times longer than incandescent bulbs. Plus, ColorLogic 80 sync seamlessly with all lights in Hayward's low-voltage ColorLogic family for an expertly coordinated backyard oasis.

## ColorLogic 80 LED Colour Lights Buying Guide

Model Number	Description	Cord Length	Ctn. Qty.	Shipping Weight
LMCUS11100*	ColorLogic 80 1/2-inch LED Light - High Lumen	100 ft.	1	4.95 lbs.
LMCUSPS005	Junction Box LED Driver	—	1	3.1 lbs.
LMCUS22KIT	ColorLogic 80 Junction Box LED Driver Pack (3 ColorLogic 80 Lights 100 ft cord with 1 Junction Box LED Driver)	—	1	14 lbs.

**NOTES:** \*Lights require LMCUSPS005 Junction Box LED Driver for operation, up to 5 lights per Driver.

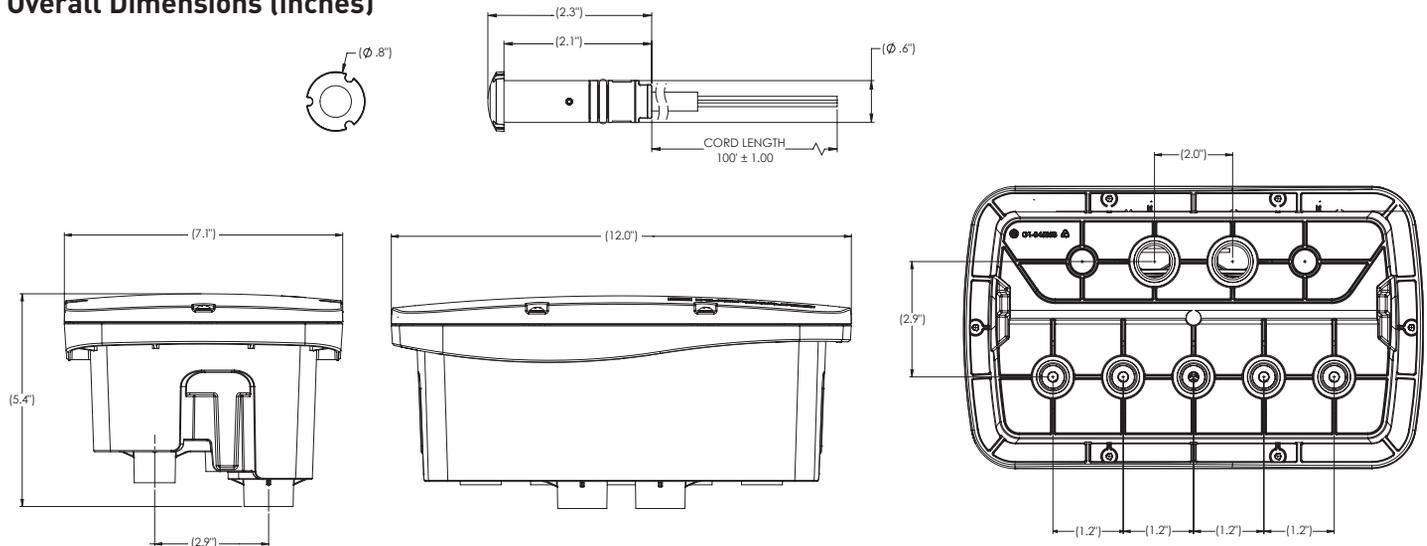
### Applications

- Residential, in-ground pool, spa or landscape

### Features

- Illuminate hard to reach areas, such as steps, water features, landscaping, decking, sun shelves, sheer cascades, waterfalls and more.
- Featuring ColorLogic's 10 fixed colours and 7 dynamic colour-changing shows to match your mood.
- 10 additional colours, faster navigation, dimming and speed control with OmniDirect Mode™ when paired with Hayward Omni® automation systems.
- Install in wet or dry environments in 1/2 inch PVC conduit and as little as 4 inches of water.
- 86% more efficient than typical incandescent bulbs.

## Overall Dimensions (inches)



Lighting

CrystaLogic 320 & 160 1.5-inch white LED lights are ideal for discreet pool and spa illumination, or highlighting water features, baja shelves, steps, landscaping and more with the industry's most vibrant lighting. Available in two brightness levels and able to be installed in wet or dry settings, these versatile lights can meet the needs of any backyard application.

**Applications**

- Residential, in-ground, pool, spa or landscape

**Features**

- 1.5-inch light installs at just 4 inches below the waterline and as little as 9 inches\* of PVC conduit
- Ideal for lighting steps, water features, baja shelves, bubblers and more
- Last 10 times longer than incandescent bulbs  
Available in two brightness levels:  
CrystaLogic 160 – Standard lumens  
CrystaLogic 320 – High lumens
- cUL-listed for safe wall or floor installation

**NOTE:** The ColorLogic 320 lights can be configured to two brightness levels: 100% and 60%.



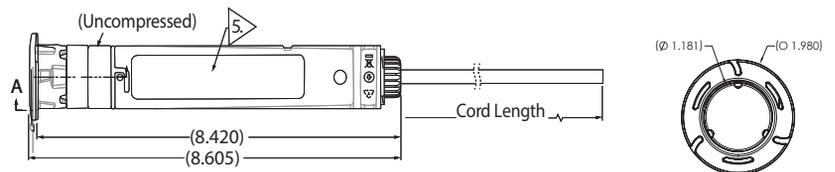
CrystaLogic 320 and 160 White LED Light

**CrystaLogic 320 & 160 White LED Lights Buying Guide**

1.5-inch LED light	Wattage Equivalent/Lumens	Description	Cord Length	Ctn. Qty.	Shipping Weight
<b>High Lumen CrystaLogic 320 12V LED Lights</b>					
LAWUS11030	100/1100	1.5-inch LED light	30'	1	4 lbs.
LAWUS11050	100/1100	1.5-inch LED light	50'	1	5.2 lbs.
LAWUS11100	100/1100	1.5-inch LED light	100'	1	8.2 lbs.
LAWUS11150	100/1100	1.5-inch LED light	150'	1	11.2 lbs.
<b>Standard Lumen CrystaLogic 160 12V LED Lights</b>					
LYWUS11050	60/600	1.5-inch LED light	50'	1	5.2 lbs.

**NOTE:** See page 96 for accent light wall fittings

**Overall Dimensions (inches)**



**NOTE:** Cord length will vary depending on the SKU ordered, ranging from 50 ft. to 100 ft.

# ColorLogic® Light Controller

12V LED POOL, SPA AND BACKYARD LIGHT WALL SWITCH

**EXPERT LINE**



ColorLogic Light Controller

The ColorLogic Light Controller puts the power of colourful, customizable low-voltage ColorLogic LED lighting at your fingertips. Turn lights on or off with the push of a button, or set a countdown timer or schedule to do so automatically.

With the ColorLogic Light Controller's sleek, simple design, homeowners can instantly view and choose from 10 beautiful fixed colours and 7 colour-changing light shows. When you select an option, the colour or show displays in the innovative Preview window at the top of the controller so that you can see what it will look like, giving homeowners an additional level of control over their backyard ambiance.

## ColorLogic Light Controller Buying Guide

Model Number	Description	Ctn. Qty.	Shipping Weight
LKCUS1100	ColorLogic Light Controller, Standalone	6	3.6 lbs.

Voltage .....	120V
Amps .....	3A
Total Allowable Watts.....	300

### Applications

- Control of Pool, Spa and Backyard Lighting
- Indoor or protected outdoor use

### Features

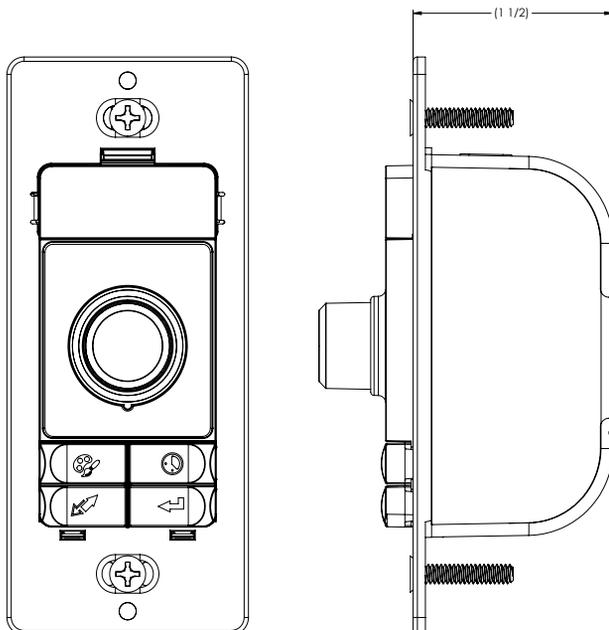
- Retrofits easily into an existing light switch.
- Innovative preview window that let's users view all ColorLogic colours and shows before choosing.
- Indicator LED lights illuminate to show the currently selected colour or light show.
- Resync button allows you to easily resync lights in multiple-light installations.
- Schedule button allows you to input recurring light settings.

### This product ONLY WORKS WITH:

- Hayward Universal ColorLogic 12V LED Pool Light
- Hayward Universal ColorLogic 12V LED Spa Light
- Hayward ColorLogic 320, 160, 80, 40 12V LED Lights
- Hayward ColorLogic Bulb 120V LED

**NOTE:** This product requires a neutral connection with the wall junction box. Gang box must be a minimum of 14 cubic inches/2.75 inches deep

### Overall Dimensions (inches)



Lighting

Installing lights during new pool or spa construction, or converting existing lighting to low voltage has never been easier with Hayward's full line of Junction Boxes, Transformers, and J-Box Retrofit Kits. Hayward offers Junction Box Retrofit Kits for the most popular J-Boxes on the market so you can convert 120V lighting systems to low-voltage in less than 20 minutes. Plus, for new construction try our new Junction Box Transformer which has the ability to support one or two light configurations, making it the most cost-effective solution for 12V lighting.



Hayward Junction Box Transformer and Junction Box

### Hayward Junction Box

Every pool, spa and backyard light whether 120V or 12V has a Junction Box. The junction box makes it easier to wire a light to the power source by bringing the connection closer to the light itself.

- Comes with strain relief to support one light or two lights
- Adaptable to 3/4" and 1" power entries
- Ideal for 120V lighting and low-voltage lighting
- UL Listed

### Hayward Junction Box Transformer

Ideal for low-voltage, new construction lighting applications, Hayward's patented J-Box Transformer design can support one or two lights from the same Junction Box, making it the most cost-effective solution for 12V lighting.

- Comes in two models—one with the ability to power one light (70W total), one with the ability to power two lights (140W total)
- Patented design, unique to Hayward
- Includes Snubber Capacitor arc suppressor
- UL Listed

### Hayward Wall-Mount Transformer

Hayward's wall-mount transformer can be paired with Hayward's junction box for multi-light, new construction installations.

- Includes kit for direct connection to pool or spa lights
- Can be used with various combinations of Hayward lighting option
- Includes Snubber Capacitor arc suppressor
- UL Listed

### Junction Box Retrofit Kits

Easily convert any existing 120V system to low-voltage in as little as 20 minutes using our Junction Box Retrofit Kits, available for the most popular Junction Boxes.

- UL Listed

## Junction Boxes & Transformers Buying Guide

Model Number	Description	Watts	Ctn. Qty.	Shipping Weight
LJBUY00PP1	Hayward Junction Box Kits	—	1	2 lbs.
LTBUY11H70	Hayward Junction Box Transformer	70	1	4 lbs.
LTBUY11H14	Hayward Junction Box Transformer	140	1	8 lbs.
LTBUY11300	Hayward Wall-Mount Transformer	300	1	11.5 lbs.
LTBCY11300	Hayward Wall-Mount Transformer	300	1	11.5 lbs.
LTSUY11300*	Hayward Wall-Mount Transformer, 4 relays	300	1	12.5 lbs.

**NOTE:** \*This SKU is for use with Hayward Omni Automation only



ColorLogic Family Trim Rings

### Universal ColorLogic and Universal CrystaLogic Trim Rings

All Universal ColorLogic and Universal CrystaLogic LED lights ship with Smooth White and Silver Luster Starburst trim rings. White Starburst and Dark Gray rings are also available to match your pool and spa.

### ColorLogic and CrystaLogic 320 & 160 Trim Rings

All ColorLogic and CrystaLogic 320 & 160 LED Lights ship with light gray, dark gray, and white trim. Each fitting kit includes a trim of the associated kit colour. Additional bulkhead colours include: black, gray and white. Bulkheads are available for gunite, fiberglass and vinyl applications.

## ColorLogic and CrystaLogic Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>Pool and Spa Trim Rings</b>			
GLXLPPLTR	Pool Trim Ring, UCL 2.0, Bag Kit (3 Pack)	1	2 lbs.
LNGUY1000	Pool Trim Ring, Dark Gray	10	4 lbs.
LNVUY1000	Pool Trim Ring, White Starburst	10	4 lbs.
LQGUY1000	Spa Trim Ring, Dark Gray	5	1 lb.
LPXADAPT1	Pool Lower Catch Adapter Kit	10	1.5 lbs.
<b>Accent Light Wall Fitting with Trim</b>			
SP0536AF	Accent Light Wall Fitting, Gunite, White	20	5 lbs.
SP0536AFGR	Accent Light Wall Fitting, Gunite, Gray	20	5 lbs.
SP0536AFDGR	Accent Light Wall Fitting, Gunite, Dark Gray	20	5 lbs.
SP0536AFBLK	Accent Light Wall Fitting, Gunite, Black	20	5 lbs.
SP0536CTOOL	Replacement Accent Light Installation Tool	1	1 lb.
SP0537AF	Accent Light Wall Fitting, Fiberglass, White	20	5 lbs.
SP0537AFGR	Accent Light Wall Fitting, Fiberglass, Gray	20	5 lbs.
SP0537AFDGR	Accent Light Wall Fitting, Fiberglass, Dark Gray	20	5 lbs.
SP0538AF	Accent Light Wall Fitting, Vinyl, White	20	5 lbs.
SP0538AFDGR	Accent Light Wall Fitting, Vinyl, Dark Gray	20	5 lbs.
SP0538AFBLK	Accent Light Wall Fitting, Vinyl, Black	20	5 lbs.

Lighting

## Universal ColorLogic and Universal CrystaLogic (UCL) Fixture Housing for new pool construction and renovations

**UCL's niche differentiates itself from all other niches by providing incredible cost savings and low profile installation for new pool construction and simplicity for renovation projects.**

### Features – Common to all models

- All plastic lighting system eliminates the need for bonding and grounding.
- Injection-molded PVC fixture housing for corrosion-free performance
- Socket conduit connection designed for quick and simple gluing to PVC pipe. Provides a clean, reliable seal
- U.L. approved sweep elbow fitting, coupling and reducer included with UCL pool and spa niches
- All 1" outlets can quickly be converted to 3/4" with a U.L. approved reducing adapter (included)
- Internally-threaded connection for pressure testing of conduit line

### Features – Pool Niche Concrete (LFGUY1000)

- UCL thin niche design can save you up to \$200 per light installation.
- Slim design eliminates the need for a re-bar light cage or secondary dig to install.
- All plastic lighting system eliminates the need for bonding, grounding, GFCI and potting per the NEC code.
- Quick and easy no tool twist lock light installation
- Deep and large plaster ledge makes it easier to get a great bond using any plaster.
- Gunitite and plaster cover protect the niche and mounting area during guniting and plastering
- Unique mounting flanges make it simple to secure the niche anywhere in the re-bar during installation.
- Unique installation design, allows for cord exit to be configured at any 90 degree increment
- Easy sealing with included compression cord seal kit

### Features – Spa Niche Concrete (LGGUY1000)

- UCL spa niche design lowers installation cost for each light
- All plastic lighting system eliminates the need for bonding, grounding, GFCI and potting per the NEC code.
- 3/4" set-back plaster flange with tie-off holes to secure to re-bar and assure positioning during guniting.
- Unique 90 degree ledge at the flange bottom prevents "slumping" during plastering.
- Gunitite and plaster cover protect the niche and mounting threads during guniting and plastering
- This spa niche has extra space for easy coiling and storage of the additional cord.



Fixture Housing Niche

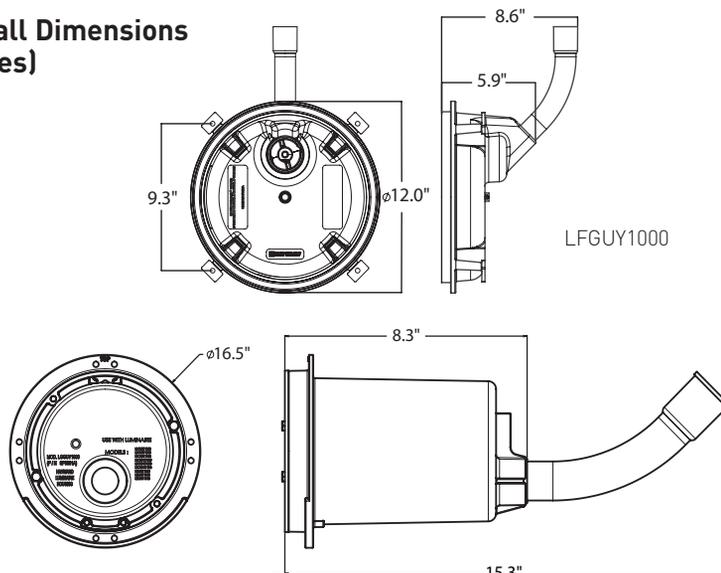
## Universal ColorLogic & CrystaLogic Housing Buying Guide

Model Number	Pool Type	Conduit Size	Conduit Outlet	Ctn. Qty.	Ctn. Weight
<b>Pool</b>					
LFGUY1000	Concrete	1" or 3/4" SKT	Rotatable at 90°	1	4 lbs.
LFVUY1000	Vinyl/Fiberglass	1" or 3/4" SKT	Rotatable at 90°	1	5 lbs.
LFVUYRINGDGR	Vinyl/Fiberglass		—	1	3.8 lbs.
	Dark Gray Trim Kit				
<b>Spa</b>					
LGGUY1000	Concrete	1" or 3/4" SKT	45°, rear	1	2 lbs.

### Light Compatibility Guide

Universal ColorLogic and CrystaLogic Pool	LPCUS, LPCUN, LPLUS and LPWUS lights
Universal ColorLogic and CrystaLogic Spa	LSCUS, LSCUN and LPLUS lights

### Overall Dimensions (inches)



# Jiffy Niche® & DuraNiche™

FIXTURE HOUSING LIGHTING NICHES

OPEN LINE



**SP0600U DuraNiche for concrete pools (cover-up plate included – not shown)**



**SP0608U Jiffy Niche fixture housing and installation tool for Vinyl/Fiberglass spas**

**Jiffy Niche and DuraNiche fixture housings are injection-molded of PVC for superior performance, non-corrosive durability and plumbing versatility — plus the lowest installed cost. DuraNiche comes in for concrete/gunite pools, vinyl/fiberglass pools, or for concrete/gunite spas.**

### Features – Common to all models

- Injection-molded PVC fixture housing for corrosion-free performance
- UL approved sweep elbow fitting, coupling and reducer, included in SP0600U, SP0607U and SP0601U, meet the highest standard and provide the most convenient installation
- All SP0600U and SP0607U niches have a 45° 1" outlet, which can be adjusted for top or rear conduit connection using the 45° UL approved sweep elbow (included). The SP0601U niche has a 1" rear outlet, which can be adjusted to 45°
- UL approved 1" to 3/4" adapter (included)
- Internally-threaded connection for pressure testing of conduit line
- UL Listed
- Complies with NEC 2002 with over 9 square inches of bonding surface area

## Jiffy & DuraNiche Niche Fixture Housings Buying Guide

Model Number	Pool Type	Conduit Size	Conduit Outlet	Ctn. Qty.	Ctn. Weight
SP0600U	Concrete	1" or 3/4" SKT	45°, top or rear	1	6 lbs.
SP0607U*	Vinyl/Fiberglass	1" or 3/4" SKT	45°, top or rear	1	7 lbs.

**NOTE:** \*Available in Dark Gray. Add suffix DGR for Dark Gray

Model Number	Spa Type	Conduit Size	Conduit Outlet	Ctn. Qty.	Ctn. Weight
SP0601U	Concrete	1" or 3/4" SKT	45°, rear	1	6 lbs.
SP0608U*	Vinyl/Fiberglass	1" or 3/4" SKT	45°, rear	1	4 lbs.

**NOTE:** \*Available in Dark Gray. Add suffix DGR for Dark Gray

### (SP0600U and SP0601U)

- 3/4" set-back plaster flange with tie-off holes to secure to re-bar and assure positioning during guniting
- Unique 90° ledge at the flange bottom prevents "slumping" during plastering
- The SP0601 small diameter niche has extra space for easy coiling and storage of the relamping cord

### Features – Vinyl/Fiberglass (SP0607U)

- Fits all standard punch designs, no tooling modifications are required
- Incorporates the dependability of Hayward's proven wall panel sealing method

### (SP0608U)

- Screw on mounting nut design. No screws required to mount through pool wall.
- Standard 6" hole size

Hayward Pool Products Light to Niche Matrix			NICHES SPECS	LFGUY1000	LGGUY1000	LFVUY1000	SP0600A & 600U	SP0601A & 601U	SP0607U	SP0608U
LIGHTS	SPECS	Pool Type	Material	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
LPCxx/LPLxx, LPWxxx	Universal ColorLogic/CrystaLogic Pool	All		X		X	X		X	
LSCxx/LSLxx	Universal ColorLogic/CrystaLogic Pool	All			X			X		X
SP0520	ColorLogic 2.5/4.0 Pool	C					X		X	
SP0530	ColorLogic 2.5/4.0 Spa	All						X		X
SP570N	Replacements 10" mounting diameter	All					*			
SP0580's	Standard 9.375" mounting diameter	All							X	
SP0590's	Spa (small) light	All						X		X

**NOTES:** \*New 120V lights are only UL listed when installed with a Hayward niche. SP0570 Series lights are direct replacements for older SP0540 and SP0560 Series lights. As of 2004, niches 600 will not accept 570 lights because there is no place for the lower shoulder screw. If a new niche is needed, replace niche and light fixture using the 580 Series lights.

# ColorSplash® LED Pool Lights

12V AND 120V LED POOL AND SPA LIGHTS

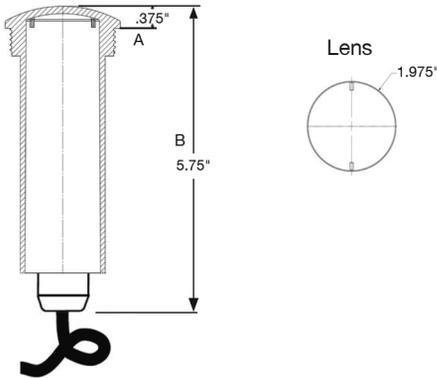
**J&J Electronics™ ColorSplash XG-W Series Inground Pool and Spa Fixtures offers a variety colors and shows to instantly transform any pool or spa into a custom illuminated paradise.**

**Features**

- RGB-W with “PureWhite®” mode
- Wide angle LEDs increase coverage area
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps

**NOTE:** Operates with Jandy® and Pentair® automation systems. Systems need to be programmable to operate Pentair IntelliBrite 5G LED Color. Refer to owner’s manual for more information.

**Overall Dimensions (inches)**



LPL-F2C (Pool)	
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

**NOTE:** \*J&J’s faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.



ColorSplash LED Pool Light

## ColorSplash LED Pool Light Buying Guide

Model Number	Description	Peak Lumens	Voltage	Type	Cord Length	Ctn. Qty	Ctn. Weight
<b>58-Watt XGW 500 Series ColorSplash LED</b>							
23001	LPL-F2CW-120-50-P	3,900	120	RGBW	50'	1	13.5 lbs.
23002	LPL-F2CW-120-100-P	3,900	120	RGBW	100'	1	18 lbs.
<b>39-Watt XGW 300 Series ColorSplash LED</b>							
23049	LPL-F1CW-12-100-P	1,500	12	RGBW	100'	1	19 lbs.

# ColorSplash® & PureWhite® VU

12V LED POOL, SPA AND BACKYARD LIGHTS



ColorSplash and PureWhite VU

**J&J Electronics™ ColorSplash Nicheless RGB-W series LED pool and spa fixtures offers a variety colors and shows to instantly transform any pool or spa into a custom illuminated paradise. Use it to light up a pool's steps, swimouts and water spillovers, or accent a spa.**

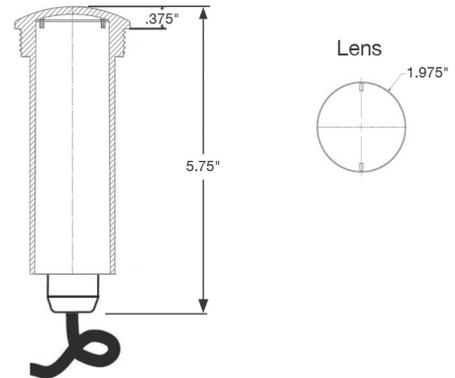
### Features

- RGB-W with "PureWhite" mode
- Easy installation; fits in most manufacturers 1 1/2" wall fittings
- 4" minimum water depth
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps
- Compatible with J&J's XG Controller

## ColorSplash & PureWhite VU Buying Guide

Model Number	Description	Voltage	Type	Cord Length	Ctn. Qty.	Ctn. Weight
<b>12V ColorSplash LED</b>						
25013	RGB-W 1.5" LED Nicheless, 50' Cord	12V	RGBW	50'	1	3.75 lbs.
25014	RGB-W 1.5" LED Nicheless, 100' Cord	12V	RGBW	100'	1	6.2 lbs.
25015	RGB-W 1.5" LED Nicheless, 150' Cord	12V	RGBW	150'	1	8.1 lbs.
<b>12V PureWhite LED</b>						
25050	White 1.5" LED Nicheless, 50' Cord	12V	6500K	50'	1	3.5 lbs.
25051	White 1.5" LED Nicheless, 100' Cord	12V	6500K	100'	1	6 lbs.
25052	White 1.5" LED Nicheless, 150' Cord	12V	6500K	150'	1	9.5 lbs.

### Overall Dimensions (inches)



A	.375"
B	5.75"
Lens Diameter	1.975"

**J&J Electronics™ ColorSplash XG-W Series Inground Pool and Spa Fixtures offers a variety colors and shows to instantly transform any pool or spa into a custom illuminated paradise.**

**Features**

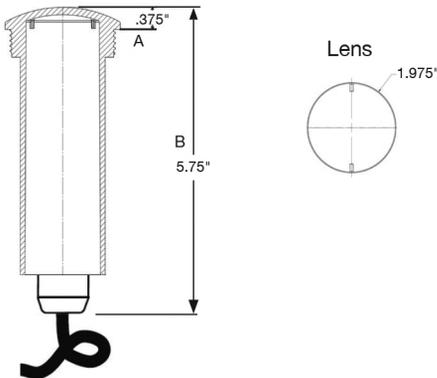
- RGB-W with “PureWhite®” mode
- Wide angle LEDs increase coverage area
- Synchronizes with ColorSplash XG, LXG and LXG-W series fixtures and lamps

**NOTE:** Operates with Jandy® and Pentair® automation systems. Systems need to be programmable to operate Pentair Intellibrite 5G LED Color. Refer to owner’s manual for more information.



ColorSplash LED Spa Light

**Overall Dimensions (inches)**



	LPL-F2C (Spa)
A	2.9"
B	3.5"
Lens Diameter	2.9"
Faceplate Diameter	5.7"

**ColorSplash LED Spa Light Buying Guide**

Model Number	Description	Peak Lumens	Voltage	Type	Cord Length	Ctn. Qty.	Ctn. Weight
<b>4-Watt XGW 500 Series ColorSplash LED</b>							
23011	LPL-S2CW-120-50-P	265	120	RGBW	50'	1	10 lbs.
23012	LPL-S2CW-120-100-P	265	120	RGBW	100'	1	13.5 lbs.

# PureWhite® LED Pool Lights

120V LED POOL AND SPA LIGHTS

OPEN LINE



PureWhite LED Pool Light for SwimQuip Niches

**J&J Electronics™ PureWhite LED Pool and Spa Light Fixtures provide an LED lighting alternative to inefficient incandescent lamps for installations requiring a wet niche fixture. They significantly reduce energy consumption and maintenance costs. Plus, all PureWhite LED Pool and Spa Light Fixtures feature a superior rugged construction that is unmatched in the industry.**

## Features

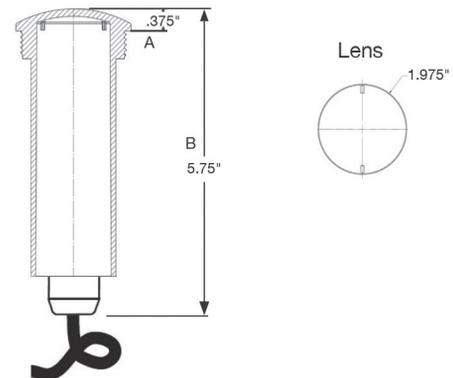
- Uses less energy – up to 90%\*
- Lasts up to 50,000 hours – 20x longer life\*\*
- Enhances pool water appearance – looks clearer and cleaner
- Enhances dark finish pools – commercial and residential
- Installs easily – compact fixture depth allows bottom catch visibility from pool deck

**NOTES:** \*HI Series compared to incandescent lamps  
\*\*Compared to incandescent lamps

## PureWhite LED Pool Lights Buying Guide

Model Number	Description	Peak Lumens	Voltage	CCT	Cord Length	Ctn. Qty.	Ctn. Weight
<b>87-Watt PureWhite LED Pool Fixture for SwimQuip Niches</b>							
21127	LPL-F5W-120-30-PSQ	4,500	120	6500K	30'	1	10.5 lbs.
<b>58-Watt PureWhite LED Pool Fixture for SwimQuip Niches</b>							
21121	LPL-F3W-120-30-PSQ	3,900	120	6500K	30'	1	10.5 lbs.
21053	LPL-F3W-120-50-PSQ	3,900	120	6500K	50'	1	13.5 lbs.
<b>39-Watt PureWhite LED Pool Fixture for SwimQuip Niches</b>							
21122	LPL-F1W-120-30-PSQ	2,400	120	6500K	30'	1	10.5 lbs.

## Overall Dimensions (inches)



LPL-F2C (Pool)	
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

**NOTE:** \*J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

# PureWhite® LED Spa Lights

120V LED SPA LIGHTS

**J&J Electronics™ PureWhite LED Pool and Spa Light Fixtures provide an LED lighting alternative to inefficient incandescent lamps for installations requiring a wet niche fixture. They significantly reduce energy consumption and maintenance costs. Plus, all PureWhite LED Pool and Spa Light Fixtures feature a superior rugged construction that is unmatched in the industry.**

## Features

- Uses less energy – up to 90%\*
- Lasts up to 50,000 hours – 20x longer life\*\*
- Enhances pool water appearance – looks clearer and cleaner
- Enhances dark finish pools – commercial and residential
- Installs easily – compact fixture depth allows bottom catch visibility from pool deck

**NOTES:** \*HI Series compared to incandescent lamps  
\*\*Compared to incandescent lamps

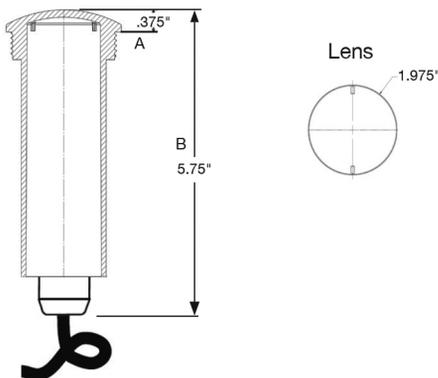


PureWhite LED Pool Light

## PureWhite LED Pool Lights Buying Guide

Model Number	Description	Peak Lumens	Voltage	CCT	Cord Length	Ctn. Qty.	Ctn. Weight
<b>13-Watt PureWhite LED Spa Fixture</b>							
21100	LPL-S1W-120-30-P	500	120	6500K	30'	1	7.5 lbs.
21091	LPL-S1W-120-50-P	500	120	6500K	50'	1	10 lbs.

## Overall Dimensions (inches)



LPL-F2C (Spa)	
A	2.9"
B	3.5"
Lens Diameter	2.9"
Faceplate Diameter	5.7"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

**NOTE:** \*J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

# PureWhite® Pro LED Lamps

12V AND 120V LED POOL AND SPA LAMPS

OPEN LINE



PureWhite LED Pool and Spa Lamps

## PureWhite LED Pool and Spa Lamps Buying Guide

Model Number	Description	Type	Peak Lumens	Voltage	CCT	Ctn. Qty.	Ctn. Weight
<b>PureWhite-Pro LED Pool and Spa Lamps</b>							
26610	LPL-PR2-CW-120	Pool	3150	120	6500	1	28.5 lbs.
26611	LPL-PR2-WW-120	Pool	2800	120	2700	1	28.5 lbs.
26612	LPL-PR2-CW-12	Pool	3150	12	6500	1	28 lbs.
26613	LPL-PR2-WW-12	Pool	2800	12	2700	1	28 lbs.
26710	LPL-M2-CW-120	Spa	1300	120	6500	1	17 lbs.
26711	LPL-M2-WW-120	Spa	1175	120	2700	1	17.5 lbs.
26712	LPL-M2-CW-12	Spa	1300	12	6500	1	18 lbs.
26713	LPL-M2-WW-12	Spa	1175	12	2700	1	17.5 lbs.
26810	LPL-PRHO-CW-120	Pool	4320	120	6500	1	27 lbs.
26811	LPL-PRHO-WW-120	Pool	4030	120	2700	1	28.5 lbs.

J&J Electronics™ PureWhite Pro LED Replacement In-Ground Pool and Spa Lamps are the brightest, most cost-effective LED alternative to inefficient incandescent lamps. They immediately and significantly reduce energy consumption and maintenance costs. Our PureWhite-Pro lamps fit into most standard pool light housings and includes our Guardian™ replacement pool fixture lens gasket which has been designed specifically for use with LED lamps.

### Features

- Ultra-bright white light equivalents for 100w thru 500w incandescent pool lamps
- Uniformity of light intensity and saturation
- Multiple color temps: warm white 2700k and cool white 6500k
- 12V and 120V
- Wide beam spread
- Ships with Guardian gaskets, which are compatible with Pentair fixtures

### Overall Dimensions (inches)

LPL-PR Series



LPL-M2 Series



**GUARDIAN™**  
Silicone Lens Gasket



**J&J Electronics™ ColorSplash LXG-W Series In-Ground Pool and Spa Lamps offers the advantage of our PureWhite® LED lighting in addition to LED color changing lighting. With a variety of solid colors and color changing lights shows, instantly transform any pool or spa into a custom illuminated paradise. These LED Pool and Spa Replacement Lamps install in minutes and offer the ideal ambiance for playing, relaxing, or entertaining, while providing immediate energy cost savings over traditional incandescent pool lamps. Each lamp includes our Guardian™ replacement pool fixture lens gasket\* which has been designed specifically for use with LED lamps.**

### Features

- High output red, green, blue and white LEDs
- Uniformity of light intensity and saturation
- 3-in-1 control – Compatible with Pentair®, Hayward® and Jandy® Automation systems.
- Zero pixelation lens
- Wide beam spread
- Edison base – Compatible with most manufactures fixtures
- 40,000+ hour life span

**NOTE:** \*Fixture Lens Gasket included for use with Pentair® Amerlite™ or Pentair® SpaBrite™ pool light fixtures. Order lens gaskets for other manufactures pool light fixtures separately.



ColorSplash LED Pool and Spa Lamps

### ColorSplash LED Pool and Spa Lamps Buying Guide

Model Number	Description	Type	Peak Lumens	Voltage	CCT	Ctn. Qty.	Ctn. Weight
<b>ColorSplash LED Pool and Spa Lamps</b>							
26910	LPL-P3-RGBW-120	Pool	1484	120	RGBW	1	2.5 lbs.
26911	LPL-P3-RGBW-12	Pool	1533	12	RGBW	1	2.5 lbs.
26912	LPL-S3-RGBW-120	Spa	366	120	RGBW	1	1.5 lbs.
26913	LPL-S3-RGBW-12	Spa	409	12	RGBW	1	1.5 lbs.

### Overall Dimensions (inches)

LPL-P3 Series



LPL-S3 Series



**GUARDIAN™**  
Silicone Lens Gasket



# THE ULTIMATE THEME SETTER.

**4** ZONES OF LIGHTING      **1** TRANSFORMER

Add personality to your pool with four zones of lighting control from one transformer. Need to show off for the big game? Alternate your favorite teams' colors between the pool, spa or water features to let the neighborhood know who you're rooting for. No high voltage relays or additional transformers required.



SMARTPOWER® TRANSFORMER



Scan the QR code to learn more.



Not Sold Online



3+ Year Parts Warranty

**EXPERT LINE**

\*When sold by a Totally Hayward® Partner. Exclusions, other terms and conditions may apply—visit [ca.hayward.com/expert](http://ca.hayward.com/expert) for details. Hayward, Hayward & Design, the H logo, Expert Line, SmartPower, Totally Hayward and We Build Better. are registered trademarks of Hayward Industries, Inc. © 2025 Hayward Industries, Inc.

# SmartPower® Transformer

SMARTPOWER TRANSFORMER

## The Ultimate Theme Setter

Unlock your lighting with four (4) zones of control from one transformer. Change colour between the pool, spa or water features without requiring additional HV relays or transformers.

### Features

- Easily alternate the colours for up to four (4) zones of lighting from this one transformer
- Supports up to 75W per zone/240W total
- Controllable with Omni® automation systems\*
- OmniDirect Mode™ compatible for additional lighting shows and colours, dimming control and more
- No high voltage relay is required
- UL Listed
- Requires 120V power input, field wiring required

### Setup

- SmartPower will connect to the same 4-pin low speed communication bus as other Hayward Smart devices.
- MSP Firmware version: R4.4.0 or newer is required



SmartPower Transformer

## SmartPower Transformer Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
LTSUY11300*	300W Wall Mount Transformer with 4 relays	1	12.5 lbs.
GLXLTSPCB	SmartPower Replacement PCB Kit	1	1 lb.

**NOTE:** \*This SKU is for use with Hayward Omni Automation only

## Overall Dimensions (inches)



# Low Voltage Transformers

J&J ELECTRONICS™

OPEN LINE



Pool and Spa

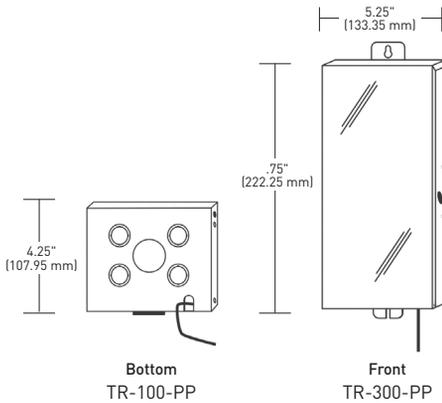
## Pool and Spa Light Transformers

### Pool and Spa Light Transformers Buying Guide

Model Number	Description	Finish	Wattage	Ctn. Qty.	Ctn. Weight
<b>12-14V Pool and Spa Light Transformers</b>					
25036	TR-100-PP	Beige	100W	1	7 lbs.
25037	TR-300-PP	Beige	300W	1	195 lbs.

**NOTE:** For use with Landscape ONLY

### Overall Dimensions (inches)



Pool and Spa

### Pool and Spa Features

- Operates in harsh environments
- Approved to UL Pool Standards
- **Fast Acting** – Works Flawlessly with most color changing LED Pool Lights
- Insulated Coil to Reduce Noise
- Removable Mounting Brackets

### Electrical:

- Input Voltage: 120V
- Magnetic circuit breaker for every 300W circuit
- Output Voltage Taps: 12/13/14/15 Volts

### Protection:

- In-line primary overload protection prevents system damage with auto thermal shut-off
- In-line secondary magnetic breaker prevents short circuit protection with reset

### Terminals:

- Extra-large terminal block for convenient low voltage cable connections

Lighting

## Integrated Series

### Features

#### Transformer Characteristics:

- Integral photocell and timer allow light fixtures to operate manually, automatically, or on a timer
- Automatic operation turns lights on at dusk and off at dawn
- TR12PC-INT-100 Timer Operation: turns lights on at dusk and turns them off four hours, six hours, or eight hours after dusk
- TR12SS-INT-120/TR12SS-INT-200/TR15SS-INT-300 **Timer Operation:** turns lights on at dusk and turns them off one to nine hours after dusk

#### Primary Protection:

- Resettable circuit breaker that prevents overloads and short circuits

#### Wiring:

- Plug-in ready
- 6-foot, grounded, water resistant, heavy gauge power cord

## Integrated Series 2.0

### Features

- Redesigned digital integrated transformers, offering 150W and 300W options to align with industry standards.
- Provide a smaller footprint and have multiple commons and 12/15V taps allowing more wiring options for the installer.
- Easier to wire with new, angled terminal blocks.

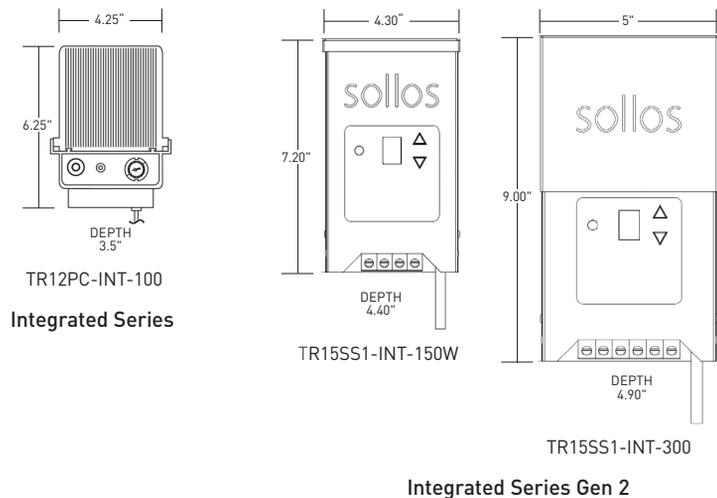


Pool and Spa Light Transformers

## Low Voltage Transformers Buying Guide

Model Number	Description	Finish	Wattage	Ctn. Qty.	Ctn. Weight
<b>Integrated Series – With Built-In Photocell and Timer</b>					
997012	TR12PC-INT-100	Composite Black	100W	1	23.5 lbs.
997018	TR15SS-INT-300	Stainless Steel	300W	1	34 lbs.
<b>Integrated Series Gen 2 – With Built-In Photocell and Timer</b>					
997015	TR15SS1-INT-150	Stainless Steel	150W	1	34 lbs.
997017	TR15SS1-INT-300	Stainless Steel	300W	1	26 lbs.

## Overall Dimensions (inches)



# Sollos® Bullet Lights

12V LANDSCAPE LED LIGHTS

OPEN LINE



Sollos Bullet Lights

Sollos Bullet Lights are available in multiple sizes and finishes. All ground mount fixtures are packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos lighting offers select fixtures in a kitted version which includes an LED lamp.

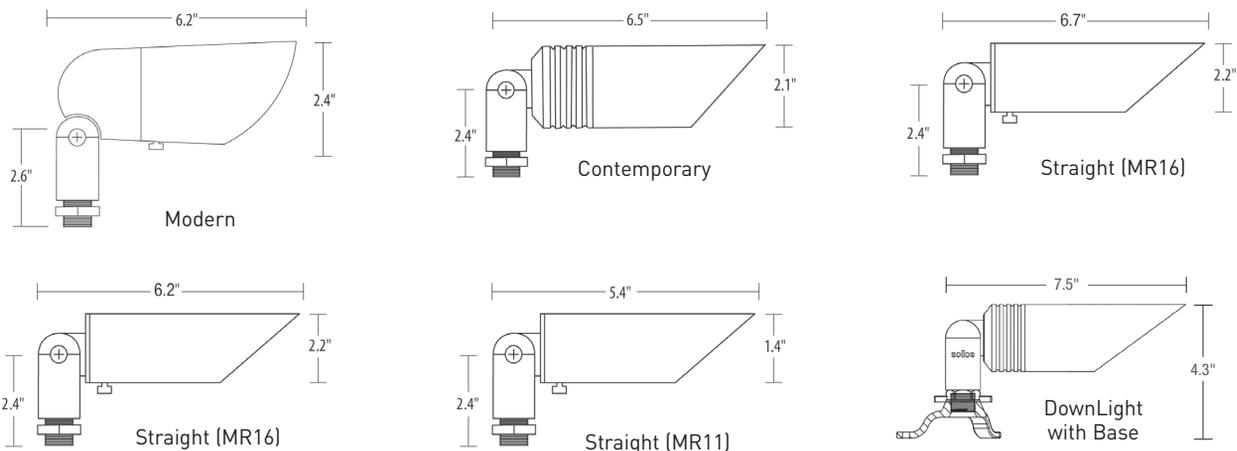
## Features

- Fully adjustable swivel arm with locking teeth for angle adjustment with 8" ground stake
- Dual silicone O-ring Seal
- Shock and heat resistant tempered glass lens
- GU5.3 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on natural metal

## Sollos Bullet Lights Buying Guide

Model Number	Description	Finish	Wattage	Lamp	CCT	Rating	Ctn. Qty.	Ctn. Weight
<b>BCB065 Contemporary Series Bullet – 6.5"</b>								
995502	BCB065-AB	Antique Brass		Fixture Only		—	1	1.9 lbs.
20080S	BCB065-AB-MR16FL4/827/LED	Antique Brass	20W	MR16	2700K	—	1	1.9 lbs.
995506	BCB065-TB	Textured Black		Fixture Only		—	1	1.3 lbs.
<b>BSB067 Straight 6.7" Series Bullet</b>								
995532	BSB067-AB	Antique Brass		Fixture Only		—	1	1.9 lbs.
995536	BSB067-SS	Stainless Steel		Fixture Only		—	1	2.0 lbs.
<b>BSB062 Straight 6.2" Series Bullet</b>								
995310	BSB062-TB	Textured Black		Fixture Only		—	1	1.2 lbs.
995314	BSB062-TZ	Textured Bronze		Fixture Only		—	1	1.2 lbs.
<b>BSB060 Straight 6" Series Bullet</b>								
995304	BSB060-TZ	Textured Bronze		Fixture Only		—	1	1.2 lbs.
<b>DL Down Lights 7.5" with Mounting Base</b>								
995503	DL-BCB075-AB	Antique Brass		Fixture Only (Contemporary)		—	1	2.0 lbs.

## Overall Dimensions (inches)



Lighting

# Sollos® Path Lights

12V LANDSCAPE LED LIGHTS

Sollos Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos lighting offers select Path Lights in a kitted version which includes an LED lamp.

### Features

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- 4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass.

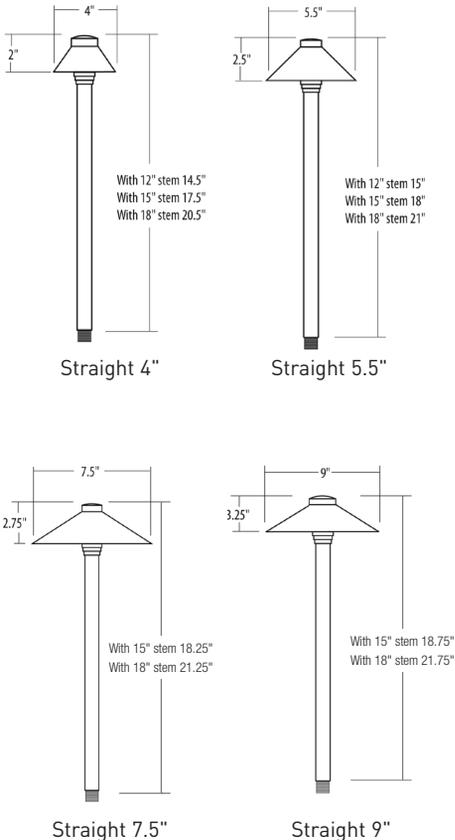


Sollos Path Lights

## Sollos Path Lights Buying Guide

Model Number	Description	Finish	Wattage Lamp	CCT	Rating	Ctn. Qty.	Ctn. Weight
<b>PSH040 Straight Path Light, 4" Hat</b>							
913028	PSH040-TB-15	Textured Black	Fixture Only		15"	1	1.4 lbs.
<b>PSH055 Straight Path Light, 5.5" Hat</b>							
910028	PSH055-TB-15	Textured Black	Fixture Only		15"	1	1.7 lbs.
<b>PSH075 Straight Path Light, 7.5" Hat</b>							
911028	PSH075-TB-15	Textured Black	Fixture Only		15"	1	2 lbs.
911035	PSH075-TB-18	Textured Black	Fixture Only		18"	1	2 lbs.
915314S	PSH075-TZ-15-JC3/830/IP65/LED	Textured Bronze	20W JC3	3000K	15"	1	1.9 lbs.
911037	PSH075-TZ-18	Textured Bronze	Fixture Only		18"	1	1.9 lbs.

### Overall Dimensions (inches)



# Sollos® Path Lights

12V LANDSCAPE LED LIGHTS

OPEN LINE



Sollos Path Traditional Lights

Sollos Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos lighting offers select Path Lights in a kitted version which includes an LED lamp.

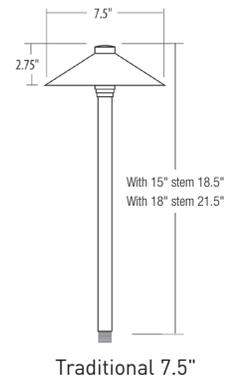
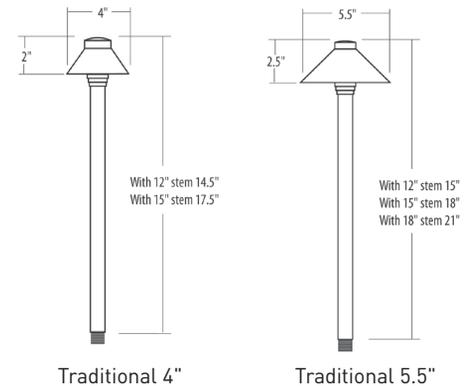
### Features

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass.

## Sollos Path Traditional Lights Buying Guide

Model Number	Description	Finish	Wattage	Lamp	CCT	Rating	Ctn. Qty.	Ctn. Weight
<b>PTH075 Traditional Path Light, 7.5" Hat</b>								
915514	PTH075-AB-18	Antique Brass		Fixture Only		18"	1	2.8 lbs.
915514S	PTH075-AB-18-JC3/830/IP65/LED	Antique Brass	20W	JC3	3000K	18"	1	3 lbs.
915567	PTH075-SS-18	Stainless Steel		Fixture Only		18"	1	3 lbs.

### Overall Dimensions (inches)



Lighting

Sollos Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos lighting offers select Path Lights in a kitted version which includes an LED lamp.

### Features

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass.



Dome 8.3"



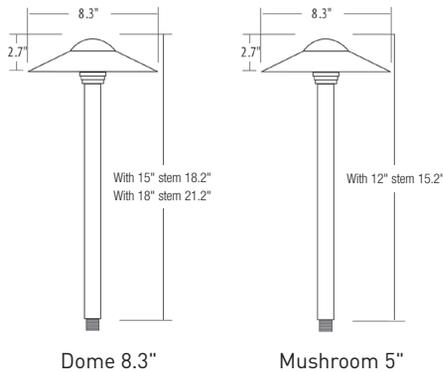
Mushroom 5"

Sollos Path Dome and Mushroom Lights

## Sollos Path Dome & Mushroom Lights Buying Guide

Model Number	Description	Finish	Wattage	Lamp	CCT	Rating	Ctn. Qty.	Ctn. Weight
<b>PD0083 Dome Path Light, 8.3" Hat</b>								
915021	PD0083-TB-12	Textured Black		Fixture Only		12"	12	2 lbs.
915028	PD0083-TB-15	Textured Black		Fixture Only		15"	12	2 lbs.
915035	PD0083-TB-18	Textured Black		Fixture Only		18"	12	2 lbs.
<b>PMU050 Mushroom Path Light, 5" Hat</b>								
912003	PMU050-TB-15	Textured Black		Fixture Only		15"	12	2.2 lbs.

### Overall Dimensions (inches)



Dome 8.3"

Mushroom 5"

# Sollos® Path Lights

12V LANDSCAPE LED LIGHTS

OPEN LINE



Sollos 90°, Bollard Path Lights and Adjustable Base Path Light (left to right)

Sollos Path Lights are available in multiple hat styles, sizes, stem lengths and finishes. Each fixture is packaged with a sturdy 8" ground stake and waterproof wire connectors. Sollos lighting offers select Path Lights in a kitted version which includes an LED lamp.

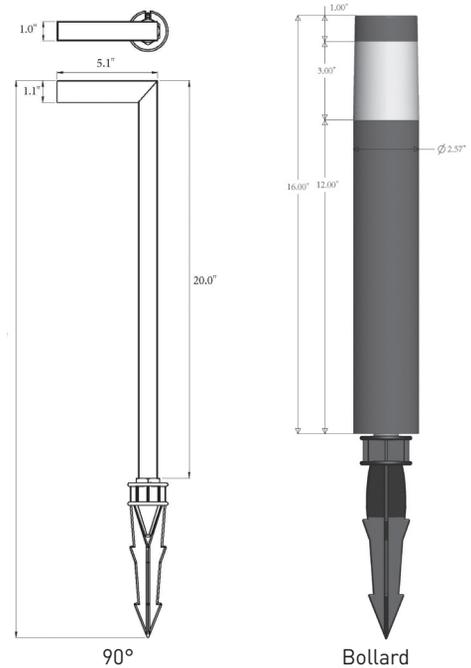
### Features

- Stepped, threaded collar for tool-less attachment and easy relamping
- Threaded 2.55mm polycarbonate lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass.

## Sollos 90°, Bollard & Adjustable Base Path Lights Buying Guide

Model Number	Description	Finish	Wattage Lamp	CCT Rating	Ctn. Qty.	Ctn. Weight
<b>90° Modern Path Light</b>						
27533	P90-TZ-20	Textured Bronze	Fixture Only	20"	1	1.4 lbs.
27530	P90-TB-20	Textured Black	Fixture Only	20"	1	1.4 lbs.
27536	P90-AB-20	Antique Brass	Fixture Only	20"	1	2.1 lbs.

### Overall Dimensions (inches)

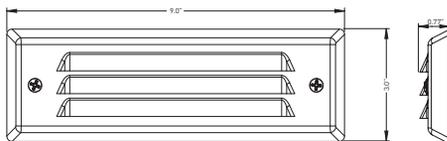
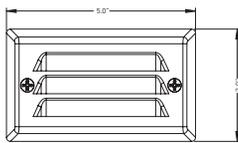
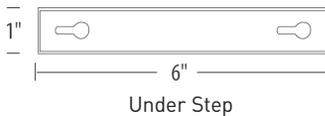


Sollos Step Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos lighting offers select fixtures in a kitted version which includes an LED lamp.

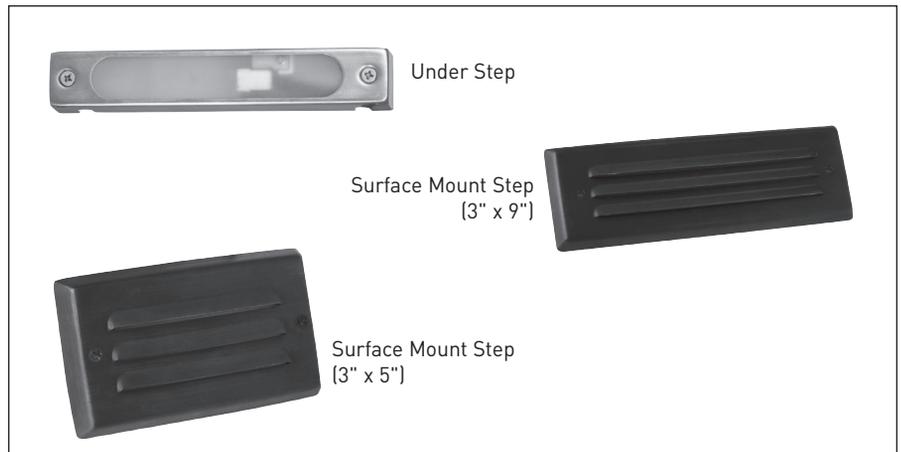
### Features

- Low profile design that delivers uniform illumination to accentuate key hardscape features
- Shock and heat resistant tempered glass lens
- GU4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors. (LLA055 SKU's include 10' of 18-2 wire)
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass.

### Overall Dimensions (inches)



Surface Mount Step



Sollos Ledge, Step and Post Lights

## Sollos Step Lights Buying Guide

Model Number	Description	Finish	Wattage	CCT	Ctn. Qty.	Ctn. Weight
<b>Under Step Lights – 6"</b>						
<b>SMSL – 3" x 9"</b>						
27523	SMSL090/827/TB	Textured Black	5W/35W	2700K	1	1.8 lbs.
27525	SMSL090/827/AB	Antique Brass	5W/35W	2700K	1	2 lbs.

# Sollos® Ledge, Post & Hanging Lights

12V LANDSCAPE LED LIGHTS

OPEN LINE



Sollos Ledge, Post and Hanging Lights

Sollos Ledge, Post and Hanging lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos lighting offers select fixtures in a kitted version which includes an LED lamp.

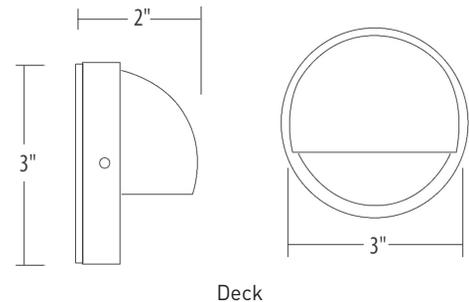
## Features

- Low profile design that delivers uniform illumination to accentuate key hardscape features
- Shock and heat resistant tempered glass lens
- Ledge and Post offer GU 4 bi-pin socket
- Hanging offers GU 5.3 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King®DryConn™ waterproof connectors. (LLA055 SKU's include 10' of 18-2 wire)
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass. 15-year on copper.

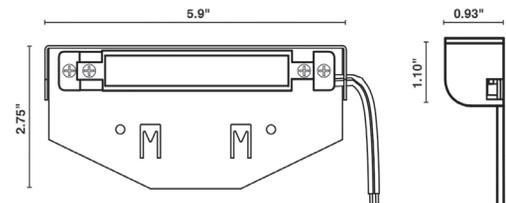
## Sollos Ledge, Post and Hanging Lights Buying Guide

Model Number	Description	Finish	Wattage	Lamp	CCT	Rating	Ctn. Qty.	Ctn. Weight
<b>LLA055 Ledge Lights</b>								
99960	LLA055/827/TB	Textured Black	1W	Ledge	2700K	IP65	1/24	0.7 lbs.
99980	LLA055/827/AB	Antique Brass	1W	Ledge	2700K	IP65	1/24	0.9 lbs.
99964	LLA055/827	Lamp Only	1W	Ledge	2700K	—	1/24	0.2 lbs.
<b>Deck Post Lights</b>								
940002	DPL033-TB	Textured Black		Fixture Only			1	0.7 lbs.

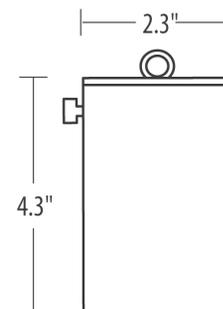
## Overall Dimensions (inches)



Deck



Ledge



Hanging Lights

# Sollos® Flood, In-Ground & Well Lights

12V LANDSCAPE LED LIGHTS

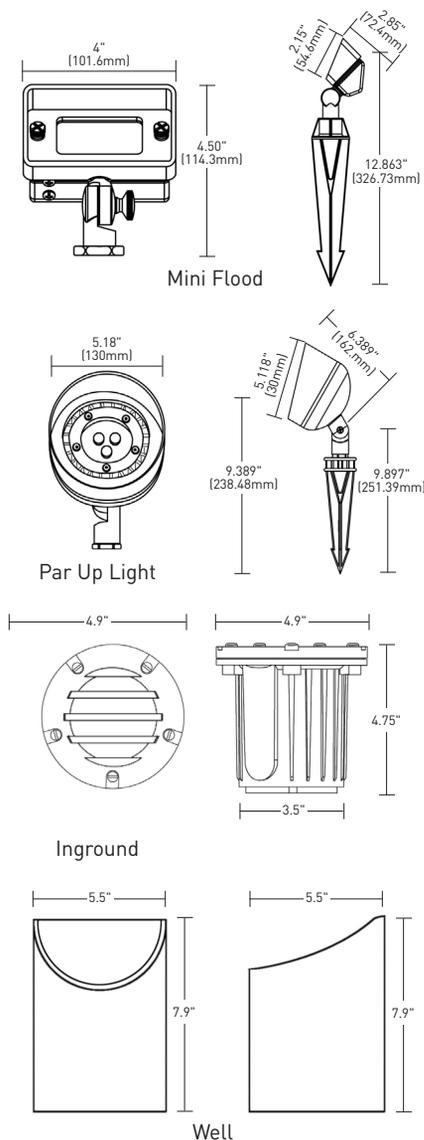
**OPEN LINE**

Sollos Flood, In-Ground, Well and Underwater Lights are available in multiple styles, configurations and finishes. Each fixture is packaged with waterproof wire connectors. Sollos lighting offers select fixtures in a kitted version which includes an LED lamp.

## Features

- Small footprint, with maximum light delivery and coverage
- Fixtures are offered in aluminum or heavy duty construction antique brass
- Shock and heat resistant tempered glass lens
- G4 bi-pin socket
- Includes pre-wire 36" lead with 18-2 wire and 2 King® DryConn™ waterproof connectors.
- ETL Listed to UL 1838 and CSA C22.2 No.250.7
- 5-year warranty on textured finishes, lifetime on antique brass or brass.

## Overall Dimensions (inches)



Sollos Flood, In-Ground and Well Lights

## Sollos Flood, In-Ground, and Well Lights Buying Guide

Model Number	Description	Finish	Wattage	Lamp	CCT	Rating	Ctn. Qty.	Ctn. Weight
<b>FRF057 Mini Floods</b>								
995407	FRF057-TB	Textured Black		Fixture Only		—	1	1.2 lbs.

Model Number	Description	Finish	Wattage	Lamp	CCT	Style	Ctn. Qty.	Ctn. Weight
<b>Inground Light Fixtures – Not for use with concrete</b>								
996100	IGT049-CB	Composite Black		Fixture Only		Trim Ring	1	1.6 lbs.
<b>WPO055 Well Lights – Not for use with concrete</b>								
996300	WPO055-CB	Composite Black		Fixture Only		—	1	1.6 lbs.
932018S	WPO055-CB-PAR36/ WFL6/827/IP67/LED	Composite Black	35W	PAR36 Equiv.	2700K	—	1	3 lbs.

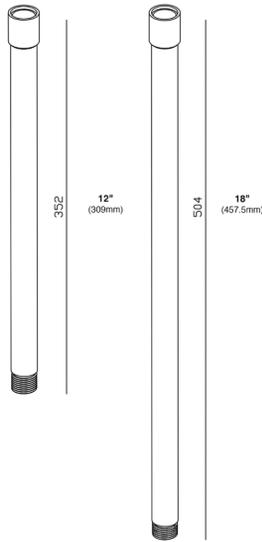


*J&J Electronics*™

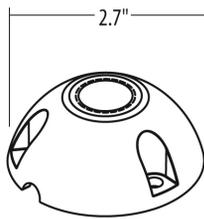
**J&J ELECTRONICS™: TRANSFORMING POOL, SPA & FOUNTAIN LIGHTING THROUGH LED TECHNOLOGY.**

J&J Electronics is one of the leading LED Pool and Spa Lighting brands providing high-quality, competitively priced LED lighting to the commercial and residential pool markets. J&J Electronics offers cutting edge products that offer uncompromising quality and unparalleled, feature-driven performance. ColorSplash® multi-color Pool & Spa Lamps and Fixtures along with PureWhite® Pool & Spa Lamps and Fixtures have grown to become industry-leading, trusted brands nationwide.

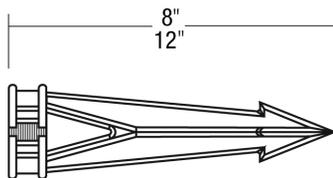
## Overall Dimensions (inches)



P061 Riser 12"- 18"



Mounting Plate



Riser 12"-18"

Mounting Plate

Ground Stake 8"

Timer, Digital

Timer, Analog

### Sollos Accessories – Risers, Deck Mount, Photocells and Timers

## Sollos Accessories Buying Guide

Model Number	Description	Finish	Type	Rating	Ctn. Qty.	Ctn. Weight
<b>Risers, Deck Mount, Timers and Photocells</b>						
998142	DMT027-AB	Antique Brass	Mounting Plate		1	7 lbs.
998140	DMT027-TB	Textured Black	Mounting Plate		1	2 lbs.
998141	DMT027-TZ	Textured Bronze	Mounting Plate		1	3 lbs.
998100	GS08	—	Ground Stake	8"	1	12.5 lbs.
998103	GS08-NS	—	Ground Stake PVC (No Slot Cutout)	8"	1	12.5 lbs.
998005	RSR12-TZ	Textured Bronze	Riser	12"	1	8 lbs.
998006	RSR12-TB	Textured Black	Riser	12"	1	12 lbs.
998106	RSR12-AB	Antique Brass	Riser	12"	1	15 lbs.
998007	RSR18-TZ	Textured Bronze	Riser	18"	1	19 lbs.
998008	RSR18-TB	Textured Black	Riser	18"	1	19 lbs.
998108	RSR18-AB	Antique Brass	Riser	18"	1	20 lbs.
998205	TMDA	—	Timer, Digital Astronomic		1	6 lbs.
998200	TMA	—	Timer, Analog		1	14 lbs.
998300	PCS	—	Photo Cell		1	17 lbs.

# Elite Quartz Halogen

REPLACEMENT LIGHTS AND ACCESSORIES FOR ABOVE-GROUND POOLS

**EXPERT LINE**



SP056525 (Installed)

## Replacement Parts Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
81072L	12 Volt/8 Watt LED lamp	20	2.5 lbs.
SPX0565G	Gasket	10	1 lb.
SPX0565L	Color Filter Kit (3 lenses) (sets of 3)	5	1 lb.

Hayward's Elite Underwater Quartz is specifically engineered for installation in above-ground pools. The optical lens disburse the light for full pool coverage. The through-the-wall in-ground design can be installed anywhere around the pool for optimum lighting and doesn't interfere with the pool's filtration. The multi-coloured lens kit adds an elegant touch to the pool's lighting, to create a special effect or enhance the mood. The light housing comes pre-wired with 25 feet of cord and a 120V/12V transformer with on/off switch. The Hayward Elite Underwater Quartz Halogen Flood Light is packed with features at a value price!

### Applications

- Residential above-ground pools

### Features

- Efficient, low-voltage, 50 Watt halogen light. Increases safety, fun, appearance and pool use!
- Position the light anywhere around the pool. Flexible 360°, wall positioning. Through-wall, in-ground design.
- Allows proper water circulation. Does not interfere with filtration.
- Mood enhancing colour lens kit included.
- Easy, do-it-yourself installation. Kit includes: Light, pre-wired 12 Volt transformer with on/off switch, 25 ft. cord, wall cutting tool and colour lenses.

# LED WaterBowls

RESIN WATERBOWLS

## No Pool is Complete without a Stunning Statement Piece.

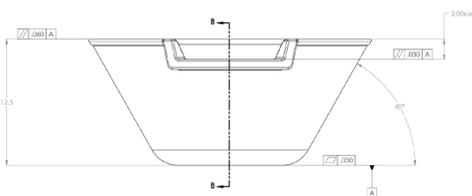
LED WaterBowls from Hayward make an elegant addition to any new build or renovation, helping to transform the space with a stunning architectural focal point. Built with optional soothing LED lighting that integrates seamlessly with Omni® automation and transitions effortlessly from day to night, WaterBowls are the perfect way for pool owners to add a personal touch to the backyard with unprecedented convenience.

### Features

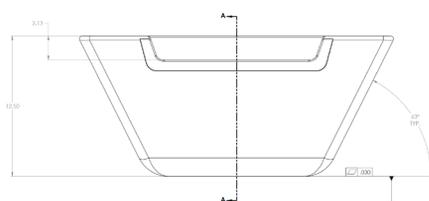
- Light offers 10 fixed colours and 7 colour-changing light shows
- OmniDirect Mode™ compatible for additional lighting colours, dimming mode, and a flicker mode
- Square or round base shapes available
- Available in tempered glass or 7 different metallic composite finishes
- Sculpted from durable, UV-resistant material

Flow Rate	
GPM Range	Outcome
< 10	Not enough water flow
10-24 gpm	Acceptable range
15-20 gpm	"Ideal" range
≥ 25 gpm	Bowl will overflow

### Round Bowl Overall Dimensions (inches)



### Square Bowl Overall Dimensions (inches)



Resin & Glass WaterBowls

## WaterBowls Buying Guide

Model Number	Finish	Shape	Ctn. Qty	Ctn. Weight
<b>WaterBowls Only</b>				
WFBRNDBRS	Brass	Round	1	65 lbs.
WFBSQRBRS	Brass	Square	1	65 lbs.
WFBRNDBRNZ	Bronze	Round	1	65 lbs.
WFBSQRBRNZ	Bronze	Square	1	65 lbs.
WFBRNDCPR	Copper	Round	1	65 lbs.
WFBSQRCPR	Copper	Square	1	65 lbs.
WFBRNDCPEW	Pewter	Round	1	65 lbs.
WFBSQRPEW	Pewter	Square	1	65 lbs.

Model Number	Description	Ctn. Qty	Weight
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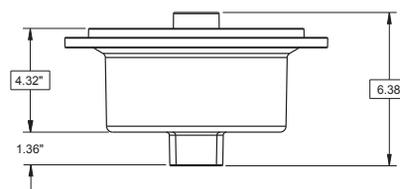
### LED Light with Niche

LBCUS11100	Waterbowl 100' Led Light with Niche	1	10 lbs.
LBCUS11150	Waterbowl 150' Led Light with Niche	1	15 lbs.

### Spares

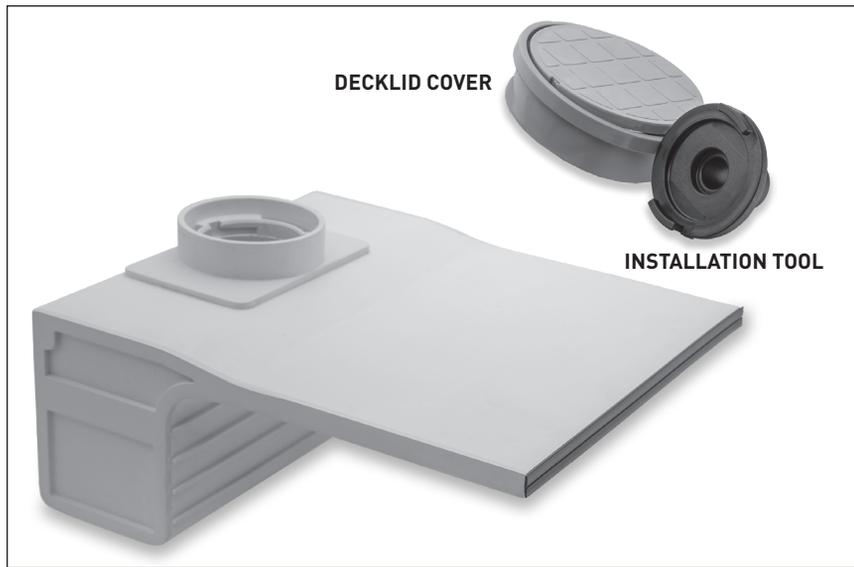
GLXWBNICHE	Bowl Niche Replacement Kit	1	5 lbs.
GLXWBGSK	Bowl Gasket Replacement Kit	1	1 lb.
GLXWBBKHD	Bowl Bulkhead and Nut Replacement Kit	1	5 lbs.
GLXWFBSCUPSQR	Scupper – for Square Bowl Kit (S/S)	1	1 lb.
GLXWFBSCUPRND	Scupper – for Round Bowl Kit (S/S)	1	1 lb.
GLXWFBSPCLR	Bowl Water Spout Replacement Kit 'Clear'	1	1 lb.
GLXWBCLRGSK	Bowl Gasket Replacement Kit 'Clear'	1	1 lb.
GLXWBBKCLRHD	Bowl Bulkhead and Nut Replacement Kit 'Clear'	1	5 lbs.

### Light Niche Overall Dimensions (inches)



# LED Sheers

## LED WATERFALLS



LED WaterFall

Enhance any Pool's Ambiance with Dramatic Sights and Sounds.

Hayward LED Sheers help transform any new build or renovation pool into a sophisticated aquatic escape, allowing pool owners to integrate mesmerizing water effects in a variety of colors, shapes and designs made to complement any backyard aesthetic.

### Features

- Controllable with Omni® automation systems\*
- Industry-first top-access light eliminates light loss, regardless of length
- Available in lengths from 1' to 8'
- Variable projection distances based on flow rate
- For straight, curved or custom wall surfaces

## LED WaterFall Buying Guide

Model Number	Description	Qty of Lights	Ctn. Length	Weight
<b>WaterFall Only (for use with LED Light)</b>				
WFS512B6LED	Bottom Feed Only	1	1'	10 lbs.
WFS518B6LED	Bottom Feed Only	1	18"	17 lbs.
WFS524B6LED	Bottom Feed Only	1	2'	13.5 lbs.
WFS536B6LED	Bottom Feed Only	1	3'	25 lbs.
WFS548B6LED	Bottom Feed Only	2	4'	35 lbs.
WFS560B6LED	Bottom Feed Only	2	5'	40 lbs.
WFS572B6LED	Bottom Feed Only	2	6'	55 lbs.
WFS584B6LED	Bottom Feed Only	3	7'	62 lbs.
WFS596B6LED	Bottom Feed Only	3	8'	70 lbs.

### LED Light\*

LFCUS11100	Waterfall 100' Led Light	10 lbs.
LFCUS11150	Waterfall 150' LED Light	13.5 lbs.

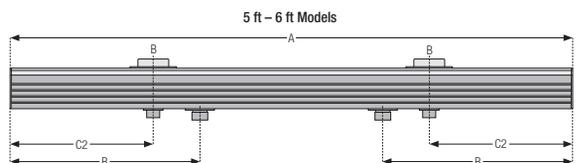
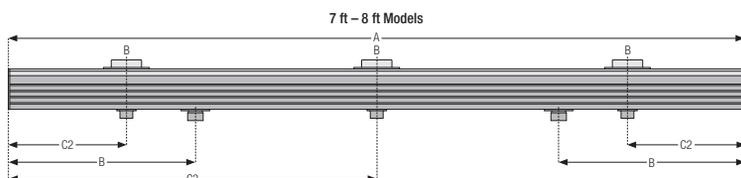
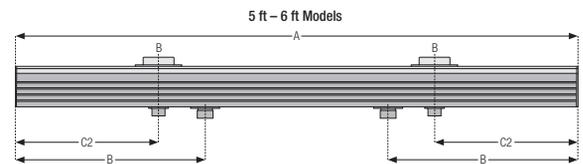
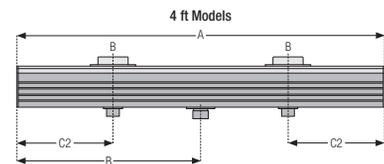
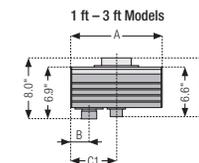
**NOTES:** \*Use one (1) light per every 3 ft of length.  
\*Hayward 10 colours/7 shows or OmniDirect Compatible

### Spares

GLXWFSORGKIT	Top and Bottom O-Rings Kit (3 each)	1 lb.
GLXWFSKTT00L	Engine Inst. Tool and Ext. Tool Kit	1 lb.
GLXWFSANLID	Deck Lid and Collar Kit (Tan)	1.25 lbs.
GLXWFSWHTLID	Deck Lid and Collar Kit (White)	1.25 lbs.
GLXWFSGRYLID	Deck Lid and Collar Kit (Gray)	1.25 lbs.
GLXWFSDKGRYLID	Deck Lid and Collar Kit (Dark Gray)	1.25 lbs.
GLXWFSBLKLID	Deck Lid and Collar Kit (Black)	1.25 lbs.

Recommended Plumbing Size	
Waterfall Length	Supply Pipe Size
Less than 18 in.	1 1/2 in.
18 in.-4 ft.	2 in.
Greater than 4 ft.	3 in.

### Overall Dimensions (inches)



The ColorLogic® Bubbler creates a cascading column of water that when matched with Hayward's ColorLogic Lighting creates the ultimate in backyard ambiance.

The ColorLogic Bubbler is easy to customize with the ability to change outer ring colours. In addition, Hayward offers the industry's best plume height at 12" creating a wider variety of installation options.

### Features

- Illuminate the ColorLogic Bubbler utilizing ColorLogic or CrystaLogic 320 and 160 lighting for a wide variety of options.
- Small footprint with interchangeable colour trim options and a flush design for seamless integration to the pool surface.
- Multiple nozzles offer a wide variety of water heights and widths to match any pool environment
- With an installation range of 2"-12" below the water surface, the Hayward ColorLogic Bubbler offers the industry's best plume height creating a wider variety of installation options.

### For Installers

Two part design incorporates plaster ring for ability to adjust angle or height to match surface of pool.

### Plume Height at given water depths

- Do not exceed 45 gpm

3/4" Nozzle Orifice					
Depth	4"	6"	8"	10"	12"
15 gpm	11	8	5	4.5	3.5
20 gpm	15	10	7	6	5
25 gpm	24	16	11	9	8
30 gpm	35	21	17	12	10.5
35 gpm	45	30	20.5	15	13
40 gpm	—	37.5	27	20	15

1/2" Nozzle Orifice					
Depth	4"	6"	8"	10"	12"
10 gpm	31	16	—	—	—
15 gpm	48	26	15.5	12	10
20 gpm	75	43	25	19	15



WFB100 ColorLogic Bubbler – Gunite



WFB200 Bubbler – Vinyl/Fiberglass

## ColorLogic Bubbler Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
WFB100*	ColorLogic Bubbler	1	9 lbs.
WFB200*	ColorLogic Bubbler – Vinyl/Fiberglass	1	6 lbs.

### Optional Accessories

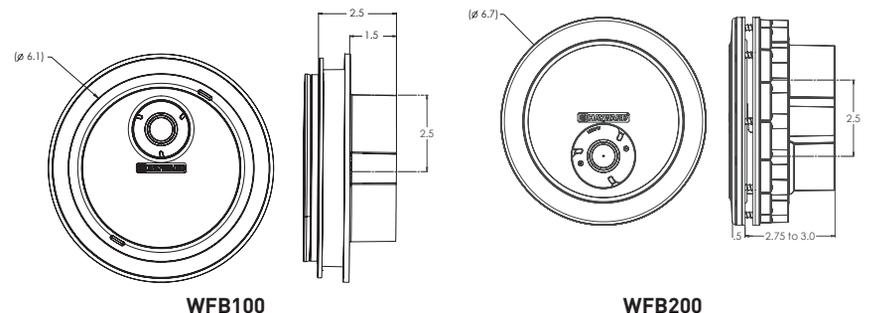
GLXBKTGR*	Colour Kit, Gray	1	5 lbs.
GLXBKTWT*	Colour Kit, White	1	5 lbs.
GLXBLNGR*	Lens Kit, Gray	1	7 lbs.
GLXBLNDG*	Lens Kit, Dark Gray	1	7 lbs.
GLXBLNWT*	Lens Kit, White	1	7 lbs.

**NOTES:** Colour Kit Includes: Coloured Trim Ring with Matching Nozzles and Plaster/Winterization Shield with Tool

Lens Kit Includes: Coloured Trim Ring with Matching Nozzles and Replacement Lens

\*Light not included, sold separately

### Overall Dimensions (inches)



WFB100

WFB200

# ColorLogic® Laminar

LAMINAR

**EXPERT LINE**



ColorLogic Laminar

The ColorLogic Laminar creates a glass-like rod of arcing water from the deck to the pool. When matched with Hayward's ColorLogic lighting these streams are illuminated for dramatic backyard ambiance.

### Applications

- Residential in-ground pools or spas

### Features

- Illuminate the ColorLogic Laminar utilizing ColorLogic or CrystaLogic® 320 and 160 lighting for a wide variety of options.
- Features multiple cover colour options with the industry's only height adjustment mechanism for perfect deck alignment even after settling occurs.
- The simple integrated flow adjustment can eliminate the need for dedicated valves for each laminar while also allowing complete control of the height and distance of your water stream without the need for tools.
- Elevate the visual and acoustic appeal of your pool surroundings with a simple addition to your pool.

## ColorLogic Laminar Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
WFL100	Colorlogic Laminar	1	25 lbs.

### Optional Accessories

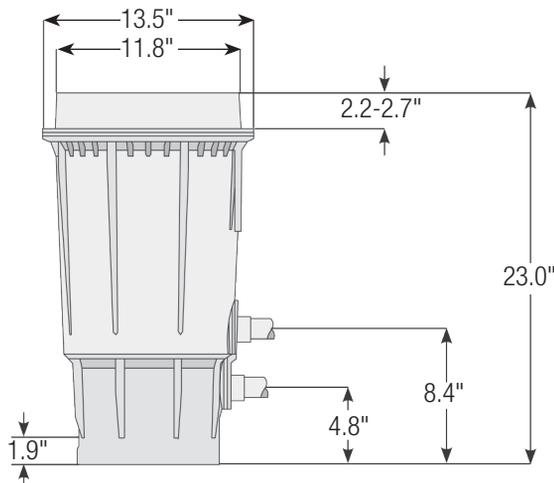
GLXWFLIDDKGRY	Dark Gray Lid, Deck Niche	1	7 lbs.
GLXWFLHOSE	Water Inlet Assembly	1	2.3 lbs.
GLXWFLTUBE	Tubing Assembly	1	.01 lb.
GLXWFLDISRPT	Disruptor Assembly	1	.001 lb.
GLXWFLJET	Laminar Jet	1	5.8 lbs.
GLXWFLSCRNPK5	Screen (5 Pack)	1	2 lbs.
GLXWFLTSPLT	Plate, Top Seal, Laminar	1	5 lbs.
GLXWFLVLVADPT	Valve Adapter Kit	1	3 lbs.

### Recommended Plumbing Size\*

1	Number of Jets in System	1-3	4-6
2	Main Feed Pipe Size (inches)	2	2 1/2
3	Flow Loop Min. Pipe Size (inches)	1 1/2	2
4	Individual Deck Jet Feed (inches)	1	1

\*See plumbing layout for example flow loop.

### Overall Dimensions (inches)



Water Features

With simple customization and installation, Hayward water features are an effortless way to elevate any backyard environment.

All Hayward water features are designed to connect quickly and easily, reducing installation headaches and costs.

### Features

#### Deck Jet 500

- Best in class nozzle with adjustable direction and flow—no tools required
- Industry's only height adjustment mechanism ensures perfect deck alignment even after settling
- Premium bronze coloured cover
- Includes plug for pressure test and winterization

#### Sheer 500

- Brilliant LED Lighting effect (LED optional)
- Accommodate a wide range of installation requirements (1 ft.–4 ft. lengths)
- Clear lips (available in 6" models) blend into pool surroundings and accommodate straight and curved wall applications
- Rear connection options make installation quick and simple
- 1.5" x 2" connections are compatible with larger plumbing for maximum water flow

#### LED Synchronization Module

- Synchronize colour sequences and pre-programmed lighting shows with LED Sheers
- Simple to setup and install

Recommended Plumbing Size*			
1	Number of Jets in System	1-5	6-10
2	Main Feed Pipe Size (inches)	1 1/2	2
3	Flow Loop Pipe (inches)	1	1 1/2
4	Individual Deck Jet Feed (inches)	3/4	3/4

\*See plumbing layout for example flow loop.



Deck Jet 500



Sheer 500

### Deck Jet 500 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
WFJ500PAK4	Deck Jet 500 (4 Pack)	4	4 lbs.
<b>Spares</b>			
WFXJ500CPAK4	Replacement Cover (4 Pack)	50	1 lb.
WFXJ500KIT	Internal Kit (nozzle, retainer kit, and winterizing ball)	50	1 lb.

### Sheer 500 Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>Rear Mount (non-LED) Sheers</b>			
WFS512R6	Sheer, 1 ft. width, 6" lip, 30ft. cord	1	7 lbs.
WFS524R6	Sheer, 2 ft. width, 6" lip, 30ft. cord	1	8 lbs.
WFS536R6	Sheer, 3 ft. width, 6" lip, 30ft. cord	1	16 lbs.
WFS548R6	Sheer, 4 ft. width, 6" lip, 30ft. cord	1	21 lbs.
<b>Rear Mount LED Sheers</b>			
WFS512R6LED100	Sheer, 1 ft. width, 6" lip, 100ft. cord	1	7 lbs.
WFS524R6LED100	Sheer, 2 ft. width, 6" lip, 100ft. cord	1	8 lbs.
WFS536R6LED100	Sheer, 3 ft. width, 6" lip, 100ft. cord	1	16 lbs.
WFS548R6LED100	Sheer, 4 ft. width, 6" lip, 100ft. cord	1	21 lbs.
<b>Sheer 500 LED Synchronization Module to Omni</b>			
WFCLSYNC*	LED Synchronization Module	1	5 lbs.
<b>Sheer 500 Accessories</b>			
WFCTRMT	LED Controller/Remote	1	11 lbs.
WFTR060	60W Power Supply	1	22 lbs.
WFXSPT3	3-way Splitter	1	5 lbs.
WFSDPWRKIT	LED Power Kit (power supply, remote, 3-way splitter)	1	10 lbs.

**NOTE:** \*Requires either a Sync Module or LED power kit

# Suction Outlets

ROUND SUMPS, COVERS, FRAMES AND ACCESSORIES

OPEN LINE



WG1154S



WG1049AV

For concrete, vinyl and fiberglass pools, Hayward round suction outlets are available in a wide range of plumbing configurations, plaster collar options and colours. Whether installing frames and covers or sump-type outlets for new construction or replacement covers on existing applications, Hayward suction outlets set the standard for quality and value.

All Hayward WG Series suction outlets and replacement covers are VGB compliant and are tested to ASME A112 19.8b-2009 and ANSI/APSP-16 standards as well as meeting CPSP requirements.

## Suction Outlet Buying Guide

Model Number	Cover Size	Open Area Sq. Inch	Approved Flow GPM Floor (Horizontal)	Approved Flow GPM Wall (Vertical)	Side Outlet Pipe Size	Bottom Outlet Pipe Size	Ctn. Qty.	Ctn. Weight
<b>Concrete</b>								
<b>Cover and frame (2 pack)</b>								
WG1030AVPAK2*	8" dia.	8.10	125	72	—	—	24	46 lbs.
<b>Replacement cover for floor or wall</b>								
WGX1048E*	8" dia.	8.10	125	72	—	—	10	5 lbs.
<b>Outlet-dual suction (2 pack)</b>								
WG1051AVPAK2	8" dia.	8.10	125	72	1 1/2" FIP	1 1/2" FIP	6	35 lbs.
WG1052AVPAK2	8" dia.	8.10	125	72	2" FIP	1 1/2" FIP	6	35 lbs.
WG1053AVPAK2	8" dia.	8.10	125	72	1 1/2" FIP	2" FIP	6	35 lbs.
WG1054AVPAK2	8" dia.	8.10	125	72	2" FIP	2" FIP	6	35 lbs.
<b>Outlet-dual suction with adjustable plaster collar (2 pack)</b>								
WG1154AVPAK2	8" dia.	8.10	125	72	2" FIP	2" FIP	6	35 lbs.
WG1154SPAK2*	8" dia.	8.10	125	72	2" SKT	2" FIP	6	35 lbs.
<b>(Vinyl/Fiberglass)</b>								
WG1048AVPAK2**	8" dia.	8.10	125	72	1 1/2" FIP	1 1/2" FIP	6	37 lbs.
WG1049AVPAK2**	8" dia.	8.10	125	72	2" FIP	1 1/2" FIP	6	37 lbs.

**NOTES:** \*Available in Gray, Dark Gray and Black. Add letters GR for Gray, DGR for Dark Gray and BLK for Black after "AV", "E" or "S" in the model number.

\*\*Also available in Dark Gray. Add letters DGR for Dark Gray after the AV in the model number.

Model Number	Description	Ctn. Qty.	Shipping Weight
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### Accessories

WGX1153B*	Extension collar with inserts	10	5 lbs.
SP1055PAK2	2" or 1 1/2" MIP Slotted Collector Tube – Black (set of 2)	10	7 lbs.
SP1056	2" or 1 1/2" MIP Hydrostatic Relief Valve	25	5 lbs.
SP1056T	Installation and removal tool for SP1056	20	36 lbs.

\*Also available in Grey, Dark Gray and Black. Add letters GR for Gray, DGR for Dark Gray and BLK for Black.

### Applications

- Residential and commercial pools
- Concrete, vinyl and fiberglass surfaces
- New construction and replacement covers
- All Hayward drain covers can be used as a single replacement cover when installed on the same suction line as an a TriStar VS SVRS

### Features

- Sumps accommodate the use of SP1056 hydrostatic relief valve
- Replacement covers retrofit to existing Hayward frames
- 7 year life
- 1 year limited warranty

Port Size	Port Location and Sump Location	Approved Flow GPM
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### Round Covers

2"	Side Port, Floor-Mounted	116
2"	Bottom Port, Floor-Mounted	123
2"	Side Port, Wall-Mounted	66
2"	Bottom Port, Wall-Mounted	59
1 1/2"	Side Port, Floor-Mounted	107
1 1/2"	Side Port, Wall-Mounted	72
1 1/2"	Bottom Port, Floor-Mounted	122
1 1/2"	Bottom Port, Wall-Mounted	64

# Suction Outlets

## SQUARE DRAIN COVERS AND FRAMES

For residential and commercial concrete pools, Hayward square drain covers are available in a wide range of sizes and flow designs to satisfy any installation requirement. Whether the application demands frames and covers for new construction or replacement cover assemblies for existing installations, Hayward suction outlets set the standard for quality and value.

Hayward's High Flow covers have some of the industry's highest approved flow rates. Each size and flow design cover retrofit to existing Hayward frames and are designed for an extensive 7 year life span.

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

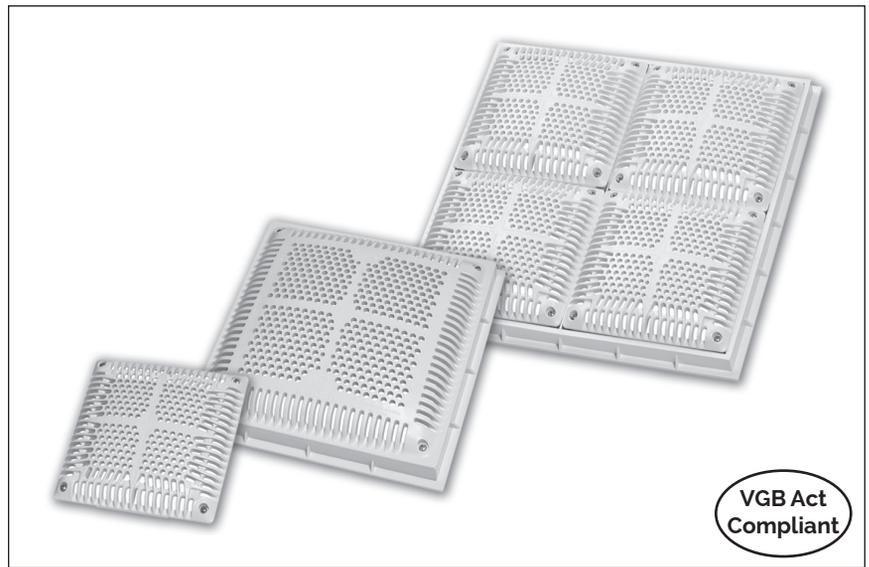
Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

### Applications

- Meets various flow category requirements
- Installations in concrete, residential and commercial pools
- All Hayward drain covers can be used as a single replacement cover when installed on the same suction line as an a TriStar VS SVRS

### Features

- Certified to ASME A112.19b-2009, ANSI/APSP-16
- Retrofits to all Hayward existing frames
- 7 year life
- 1 year limited warranty



9", 12" and 18" Drain Covers and Frames

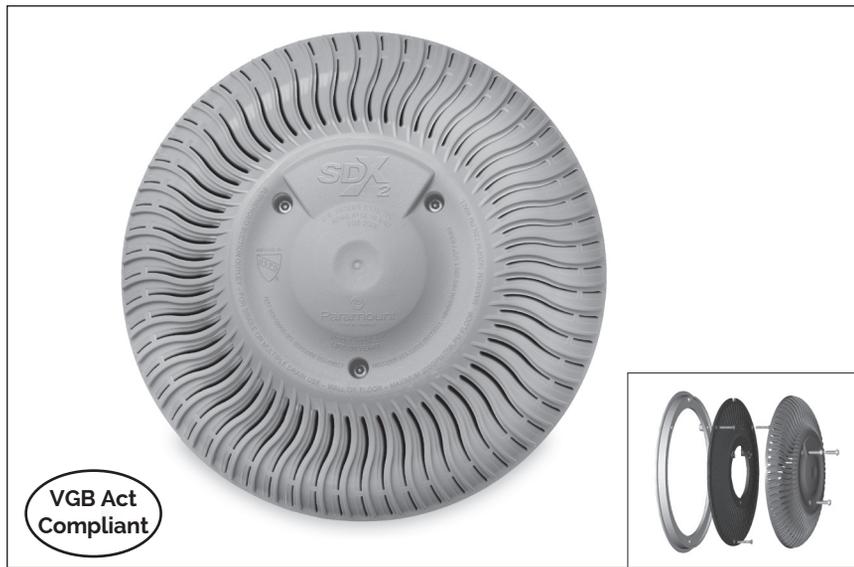
## Drain Covers & Frames Buying Guide

Model Number (size)	Pipe Size	Mounting Position	Sump Port Location	Approved Flow GPM
WG1031BHF2 and WG1031HF2PAK2 (9" x 9")	2.5"	Floor	Side	172
	2.5"	Wall	Side	184
	2.5"	Wall	Bottom	224
	3"	Floor	Side	264
	3"	Wall	Side	224
	3"	Wall	Bottom	224
WG1032BHF2 and WG1032HF2PAK2 (12" x 12")	3"	Floor	Side	416
	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WG1033BHF2 and WG1033HF2PAK2 (18" x 18")	3"	Floor	Side	484
	3"	Wall	Bottom	484
	4"	Floor	Side	656
	4"	Wall	Bottom	688
	6"	Floor	Side	815
	6"	Wall	Bottom	732
WG1061HF2PAK2 (9" x 9")	2.5" & 3"	Floor	Side	264
	2.5" & 3"	Wall	Side	224

Model Number	Size	Cover Open Area Sq. Inch	1.5ft/sec. Flow Rate GPM	Ctn. Qty.	Ctn. Weight
<b>Replacement cover and inner frame</b>					
WG1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WG1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WG1033BHF2	18" x 18"	124.1	580	10	39 lbs.
<b>Cover, inner frame and outer frame (2 pack)</b>					
WG1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WG1032HF2PAK2	12" x 12"	41.07	192	4	30 lbs.
WG1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
<b>3" suction outlet sump with cover (2 pack)</b>					
WG1061HF2PAK2	9" x 9"	23.96	112	1	6 lbs.

# SDX2 High Flow Safety Drain

ROUND DRAIN COVER FOR CONCRETE, VINYL OR FIBERGLASS POOLS



SDX2 High Flow Safety Drain Cover

## SDX2 High Flow Safety Drain Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
004-162-2231-01	SDX2 for Concrete Pools – 2 Drains (White)	1	4 lbs.
004-162-2231-02	SDX2 for Concrete Pools – 2 Drains (Dark Grey)	1	4 lbs.
005-252-2097-01	SDX2 Replacement Cover with Screws for Concrete Pools (White)	1	2 lbs.
005-252-2097-02	SDX2 Replacement Cover with Screws for Concrete Pools (Dark Grey)	1	2 lbs.
004-172-2231-01	SDX2 for Vinyl and Fiberglass Pool – 2 Drains (White)	1	6 lbs.
004-172-2231-02	SDX2 for Vinyl and Fiberglass Pool – 2 Drains (Dark Grey)	1	6 lbs.
005-252-2098-01	SDX2 Replacement Cover with Screws for Vinyl and Fiberglass Pools (White)	1	2 lbs.
005-252-2098-02	SDX2 Replacement Cover with Screws for Vinyl and Fiberglass Pools (Dark Grey)	1	2 lbs.

**NOTE:** Refer to [www.1paramount.com](http://www.1paramount.com) for additional options

**SDX2 is a high flow suction outlet suitable for use as a wall fitting, or as a floor fitting when debris removal is not a concern. Available for concrete, vinyl and fiberglass pools, SDX2 performs at a very high flow rate while operating at one of the lowest velocity ratings in the industry. SDX2 boasts a flow rating of 180 GPM on the floor and 140 GPM on the wall.**

### Applications

- Concrete, vinyl and fiberglass surfaces
- New construction or replacement covers

### Features

- No sump required means time saved and no need to field fabricate a sump to meet the "1.5 times the pipe diameter" requirement
- Low velocity 1.396 feet per second at the maximum [180 GPM] flow rating
- Patented ribbed design achieves very high flow via 60 independent flow partitions
- Approved as a bulkhead fitting as the safety is in the cover and back plate
- Anti-vortex center shield blocks contact with direction suction
- Great for use with water features
- 5 year life

Flow Rating (GPM)	Pipe Size	Pipe Port Orientation	Direct Mounting Orientation
180	3"	Side	Floor
116	2.5"	Side	Floor
100	2"	Side	Floor
60	1.5"	Side	Floor
178	3"	Bottom	Floor
120	2.5"	Bottom	Floor
100	2"	Bottom	Floor
60	1.5"	Bottom	Floor
140	3"	Side	Wall
108	2.5"	Side	Wall
100	2"	Side	Wall
60	1.5"	Side	Wall
140	3"	Bottom	Wall
108	2.5"	Bottom	Wall
100	2"	Bottom	Wall
60	1.5"	Bottom	Wall

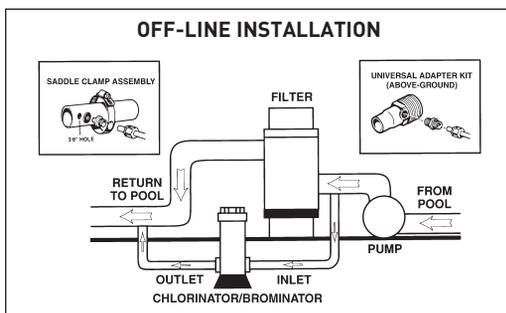
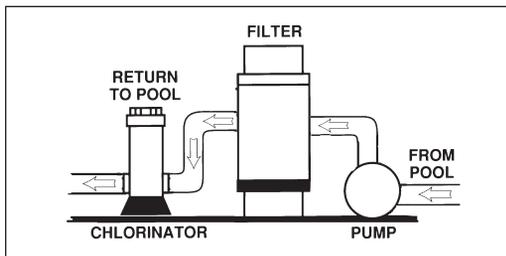
# Automatic Chemical Feeders

CHLORINATORS AND BROMINATORS

Hayward® automatic chlorinators and brominators are ideal for in-ground and above ground applications during new pool construction or after market installations. Models are available for in-line and off-line configurations to accommodate most capacity, plumbing and space considerations. All units incorporate a durable ABS body along with a high quality Viton seal and an ergonomically designed cover to allow for simple lid removal.

### Features

- X-Ring seal provides long life and easy cover removal
- Uses large or small, slow dissolving, Trichlor or Bromine tablets
- Dial control valve allows for easy feed rate adjustment
- Multiple connection options provide a wide range of use and simplified installation
- Easy-Lok threaded cover for safe and convenient access to add tablets
- Unique finger-release catch provides extra security



**NOTE:** Chemical feeders should always be installed on the return line after the last heating appliance.

**CAUTION:** Extreme care must be exercised when adding chemicals to your pool. Concentrated chemicals may react violently if they mix in the chemical feeder, causing a fire or explosion, which may result in PROPERTY DAMAGE, PERSONAL INJURY or DEATH.

**CAUTION:** Never use petroleum based lubricants on any of the chlorinator o-rings. Regular cover o-ring lubrication is necessary to maintain easy cover removal. Use non petroleum based lubricants such as Hayward Jack's Formula 327 Multilube (SPX0327).

For replacement parts see page 309.



**CL200 In-Line Chlorinator**



**CL200 Off-Line Chlorinator**

## Automatic Chemical Feeder Buying Guide

Model Number	Pipe Size	Chemical Capacity	Feeder Width	Feeder Height	Ctn. Qty.	Ctn. Weight
<b>In-Line Chlorinators</b>						
CL100EF	1 1/2" FIP	4.2 lbs.	8 3/4"	15 1/4"	10	30 lbs.
CL200EF*	1 1/2" FIP	9 lbs.	9"	14 3/4"	10	45 lbs.
CL2002S**	2" SKT	9 lbs.	9"	14 3/4"	10	55 lbs.

**NOTES:** \*Includes mounting base.

\*\*Features 2" inlet and outlet ports for applications with 50 gpm to 90 gpm flow rates.

<b>Off-Line Chlorinators</b>						
CL110EF	—	4.2 lbs.	6 3/4"	13"	10	30 lbs.
CL220EF	—	9 lbs.	8 1/4"	15 1/2"	10	46 lbs.

<b>Off-Line Chlorinators for Above Ground Pools</b>						
CL110ABG	—	4.2 lbs.	6 3/4"	13"	10	28 lbs.
CL220ABG	—	9 lbs.	8 1/4"	15 1/2"	10	51 lbs.

Packaged with a universal adapter kit for all Hayward above ground filter systems – Perflex®, sand or cartridge.

<b>Off-Line Brominators</b>						
CL220BR	—	9 lbs.	8 1/4"	15 1/2"	10	46 lbs.

<b>Accessories</b>						
SP1500UNMPAK1	Flush Union Connector with 1 1/2" Male Nipple. For mounting in-line chlorine feeders.				50	24 lbs.
SP1500UNPAK2	Set of two Flush Union Connectors. Fits CL100 and CL200 Chlorinators inlet and outlet.				50	32 lbs.
SPX0327	Hayward Jack's Formula 327 Multilube – 1 oz. Tube				50	4 lbs.

# Automatic Skimmers

SKIMMASTER®, AUTO-SKIM™ SERIES FOR IN-GROUND CONCRETE OR GUNITE POOLS

**OPEN LINE**



SP1072 SkimMaster Series



SP1082 Auto-Skim Series

Designed for large-capacity commercial and residential applications, SkimMaster Series skimmers boast one of the highest flow ratings in the industry at 75 GPM. They feature threaded internal connections for pressure testing, an optional float/bypass valve, a field-installable water bonding kit and an automatic safety bypass for low water conditions. Model SP1072S2 also includes PVC ports, which greatly reduce installation time.

Auto-Skim features include an adjustable cover collar for round or square skimmer lids, snap-in weir assembly, large capacity basket, integral flow control slide plate and a choice of port sizes for plumbing versatility.

The float valve and equalizer kits provide maximum flexibility for all swimming pool applications. Any SkimMaster Series or Auto-Skim model with a square cover can be adapted to meet NSF commercial requirements by adding the appropriate float valve and equalizer kit in conjunction with the NSF listed cover.

## Applications

- In-ground concrete, gunite, residential and commercial pools and spas

## Features – SkimMaster

- 3/4" knockout fill/overflow port
- Durable unibody construction
- Colour options available
- Adjustable deck collar
- Self-adjusting 8" weir with stainless steel spring
- Large and durable debris basket
- Optional float valve for thru skimmer suction outlet system

## Features – Auto-Skim

- 1.5" and 2" port sizes for plumbing versatility
- Cover collar allowing 1.5" vertical adjustment
- Integral Flo-Control slide plate
- Optional float valve for thru skimmer suction outlet system
- Optional extension collar allows 2.5" additional vertical height
- Optional stackable notched extension collar allows infinite vertical adjustment

## In-Ground Skimmer Buying Guide

Model Number	Pipe Size	Cover Style	Throat Length	Ctn. Qty.	Ctn. Weight
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### SP1070 SkimMaster Series

SP1071T2	1 1/2" FIP	Round	4 1/2"	1	8 lbs.
SP1072T2	2" FIP	Round	4 1/2"	1	8 lbs.
SP1072S2*,**	2" SKT x 2 1/2" SPIG	Round	4 1/2"	1	8 lbs.

**NOTES:** \*Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

\*\*Available with tan collar and cover. Add suffix 10 to model number.

For skimmer packaged with float valve, add suffix FVA to model number.

### NSF Listed Skimmer & Accessories

HCWG1072C	2" SKT x 2 1/2" SPIG	Round	4 1/2"	1	12 lbs.
WG1082SFVE	2" SKT	Square	5 1/4"	1	12 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
SP1070FVEKIT	Float valve and equalizer kit for SP1070 Series skimmers	10	12 lbs.
SP1072FVEKIT	Float valve and equalizer kit for SP1072 Series skimmers	10	12 lbs.
SP1080FVEKIT	Float valve and equalizer kit for SP1080 Series skimmers	10	12 lbs.
WGX1070C	NSF listed replacement cover for SP1070 and SP1072 Series skimmers	10	15 lbs.
WGX1082E	NSF listed replacement cover for SP1080 Series skimmers	10	15 lbs.

**NOTE:** For commercial applications, add appropriate float valve and equalizer kit with NSF listed cover to any SkimMaster or Auto-Skim model with a square cover.

### SP1080 Auto-Skim Series

SP10821	1 1/2" FIP	Square	5 1/4"	1	10 lbs.
SP1071T2	1 1/2" FIP	Round	4 1/2"	1	8 lbs.
SP1082†	2" FIP	Square	5 1/4"	1	10 lbs.

**NOTE:** †Available in Dark Gray. Add suffix DGR to model number for Dark Gray

### Accessories

SP1070FV	Float valve assembly for SP1070 Series	24	25 lbs.
SP1072FV	Float valve assembly for SP1072 Series	24	25 lbs.
SP1078	Equalizer valve for SP1070 and SP1080 Series	25	4 lbs.
SP1070P	Extension collar for SP1070 Series	50	30 lbs.
SP1082FV	Float valve assembly for SP1080 Series	24	36 lbs.
SP1082GV	Skimmer-to suction outlet valve assembly for SP1080 Series	24	18 lbs.
SP1084P1	Extension collar for SP1080 Series	20	15 lbs.

Manufactured to Hayward's® uncompromising standards, these large capacity skimmers for vinyl and fiberglass applications install easily and perform flawlessly even in the most difficult environments. The bodies are molded out of durable ABS plastic and do not contain any assembly seams below water level. They feature a standard square or round cover and collar assembly allowing up to 1.5" vertical adjustment. Additional extension collar accessories are available to meet needs for all applications.

The Auto-Skim Wide Track Series includes all of the same high quality features in addition to an expansive 15.5" skimmer face and a choice of two throat lengths. The enlarged opening and added installation flexibility allows for increased skimming action and reduced time for debris removal.

Add optional float valve and equalizer kit with an NSF approved cover to any Auto-Skim model with a square cover to accommodate commercial requirements.

### Applications

- In-ground, vinyl, fiberglass, residential and commercial pools and spas

### Features

- 1.5" and 2" port sizes for plumbing versatility
- Standard cover and collar assembly with 1.5" vertical adjustment
- Colour options available
- Integral Flo-Control slide plate
- Optional float valve for thru skimmer suction outlet system
- Optional extension collar allows 2.5" additional vertical height
- Optional stackable notched extension collar allows infinite vertical adjustment



SP1084 Auto-Skim Series



SP1085 Wide Track Auto-Skim

## In-Ground (Vinyl/Fiberglass) Skimmer Buying Guide

All vinyl/fiberglass pool skimmers are packaged with face plate, gaskets and screws.

Model Number	Pipe Size	Cover Style	Throat Length	Ctn. Qty.	Ctn. Weight
<b>SP1080 Auto-Skim Series</b>					
SP10841*	1 1/2" FIP	Square	8 1/2"	1	13 lbs.
SP10841R*	1 1/2" FIP	Round	8 1/2"	1	13 lbs.
SP108410M**	1 1/2" FIP	Square	8 1/2"	1	13 lbs.
SP1084**	2" FIP	Square	8 1/2"	1	13 lbs.
<b>SP1080 Auto-Skim Wide Track Series</b>					
SP108510M	1 1/2" FIP	Square	12 1/4"	1	17 lbs.
SP10852*	1 1/2" FIP	Square	9 1/4"	1	16 lbs.
SP108520M**	1 1/2" FIP	Square	9 1/4"	1	16 lbs.

**NOTES:** \*Skimmer includes standard and extra long 1 1/4" screws.

\*\*Available in Dark Gray – add suffix DGR for Dark Gray.

"R" designation indicates round collar and cover assembly

OM designation indicates thru-wall, outside mount for metal wall installations.

Model Number	Description	Ctn. Qty.	Ctn. Weight
004702600208	Paramount Skimmer – Standard Vinyl Wide – Gray	1	12 lbs.

### Accessories

SP1080FVEKIT	Float valve and equalizer kit for SP1080 Series skimmers	10	12 lbs.
WG1082E	NSF listed replacement cover for square SP1080 Series skimmers	10	15 lbs.
SP1084F+	Face plate cover – "Snap On" for SP1084 skimmers	30	10 lbs.
SP1085F+	Face plate cover – "Snap On" for SP1085 skimmers	18	10 lbs.
SP1078	Equalizer valve for SP1070 and SP1080 Series	50	30 lbs.
SP1082FV	Float valve assembly for SP1080 Series	24	36 lbs.
SP1082GV	Skimmer-to-suction outlet valve assembly for SP1080 Series	24	18 lbs.
SP1084P1	Extension collar for SP1080 Series	20	15 lbs.

**NOTE:** †Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

### In-Ground Skimmer Kits

SP108520MTE†	Wide Track Auto Skim	1	20 lbs.
SP108410MTE†	Auto Skim Small Mouth	1	20 lbs.
SP108520MND†	Wide Track Auto Skim without Drain	1	20 lbs.
SP108410MND†	Auto Skim Kit without Drain	1	20 lbs.

**NOTE:** †Available in Dark Gray – add suffix DGR for Dark Gray.

# Venturi Skimmers

PARASKIMV VENTURI SKIMMER FOR IN-GROUND CONCRETE OR GUNITE POOLS AND SPAS

**OPEN LINE**



Paramount Venturi Skimmers

## ParaskimV Buying Guide

Model Number	Description	Pipe Size	Cover Style	Ctn. Qty.	Ctn. Weight
004-702-1002-07	Concrete-Gray Throat, Beige Lid	2"	Round	1	17.8 lbs.
004-702-1002-08	Concrete-Gray Throat, Lt. Gray Lid	2"	Round	1	15 lbs.

**NOTE:** Contact your local Hayward representative for additional options

An elegantly simple design, the ParaskimV venturi nozzle enables the skimmer to provide almost identical flow rates regardless of the speed of the pump.



The Paramount® ParaskimV venturi skimmer offers high-performing features no other venturi skimmer can match, paired with an energy saving design. ParaskimV works brilliantly with multi-speed pumps without sacrificing a cleaner pool. In fact, ParaskimV can generate the same skimming action just as effectively at a pump's slower speeds, so you can take full advantage of the energy savings available with a multi-speed pump. ParaskimV can even enhance the skimming action when using a single speed pool pump by combining the venturi effect with the standard skimmer operation.

Since ParaskimV can effectively remove debris from the surface at lower pump speeds, you can direct 100% suction to the main drain of the pool, maximizing its ability to remove heavier settled debris.

ParaskimV skimmer's offset venturi design allows easy access for vacuum hose connections.\*

### Applications

- In-ground concrete or gunite pools and spas

### Features

#### Patented Venturi Nozzle

- Effective skimming even at low pump speeds
- Lower energy costs without sacrificing performance
- Offset design allows easy vacuum hose connection
- Alternate method of introducing ozone

#### Weir Door Design

- Notched design for better flow at lower pump speeds
- Less potential for debris to become trapped

#### Debris Basket

- Largest on the market means less maintenance
- Includes fine mesh bag for fine debris removal

#### Safest Venturi Skimmer Available

- Interior vacuum relief and return guard cover provide additional layers of safety
- High relief point less likely to become blocked

#### Deck Lid

- Allows for full-open inside skimmer throat
- Works with Pour-A-Lid™ and paver decks
- Available in beige and light grey

#### Overflow Port

- Largest on the market (1 1/2" x 2")
- Optional use in high storm regions

**NOTE:** \*When installed with direct pump suction. Patents pending.

# Automatic Water Leveller

PARALEVEL™ FOR IN-GROUND POOLS AND SPAS

The Paramount® innovative water leveller, Paralevel, was designed from a pool builders perspective with builders, homeowners and service technicians in mind. No components of this unit were adapted from other industries. Paralevel is continually working behind the scenes to ensure that your pool or spa is at its ideal level. You can rest easy knowing that your pool's water level is being monitored and adjusted automatically. If you ever need to make a manual adjustment Paralevel's "posi-click" adjustment makes it easy. One full turn equals ¼" (6 mm) of water level adjustment.

Unlike other water levellers Paralevel offers "Smart-Sensing", which means it will ignore water sloshing in the pool as it only senses the pools true level. "Smart-Sensing" also protects Paralevel so it will not cycle on and off rapidly, like other levellers. This limits the potential for premature failure, and eliminates loud water hammer in your home that could lead to damage to your plumbing.

## Applications

- In-ground pools and spas

## Features

- Simple to set, use and winterize
- Easy, accurate "Posi-Click" adjustment
- Smaller footprint in your pool deck
- "Smart-Sensing" not affected by water splashing
- Large balance line
- Overflow line ready
- Quick fill capable
- Service industry friendly



Paramount Automatic Water Leveller

## Paralevel Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
004760290207	Automatic Water Leveller, Beige	1	5.9 lbs.
004760290201	Automatic Water Leveller, White	1	5.9 lbs.
004760290208	Automatic Water Leveller, Gray	1	5.9 lbs.

**NOTE:** Contact your local Hayward representative for additional options



Automatic Water Leveller



Inner Float Assembly

# Debris Canisters

DECK-SIDE AND EQUIPMENT-SIDE DEBRIS CANISTERS

OPEN LINE



DDC2 (Deck-side Debris Containment Canister)



EDC (Equipment-side Debris Canister)

## Debris Canister Buying Guide

Model Number	Description	Pipe Size	Cover Style	Ctn. Qty.	Ctn. Weight
004-152-4720-07	Deck Side Debris Canister, Beige	2"	Seal Less	1	19 lbs.
004-152-4516-00	Equipment Side Canister	2"	Bayonet	1	16 lbs.
004152472001	Deck Side Debris Canister, White	2"	Seal Less	1	19 lbs.
004152472008	Equipment Side Canister, Gray	2"	Bayonet	1	16 lbs.

**NOTE:** Contact your local Hayward representative for additional options

The Paramount® Deck-side Debris Containment Canister (DDC2) minimizes the time spent maintaining your swimming pool. The DDC2 is conveniently located in the pool deck for easy debris removal. The large capacity basket collects debris before it reaches the pump basket allowing the pump to run more efficiently and with less chance of clogging — utilizing the included fine mesh bag filters out even smaller debris.

The Paramount Equipment Debris Canister (EDC) is a highly effective, efficient, easy to install equipment-side debris canister for all pools. It's plumbed before the circulation pump to trap debris from spa, skimmer and main drain lines before it reaches the pump and filter. The basket holds up to 68% more debris than any other equipment side canister, and utilizing the included fine mesh bag filters out even smaller debris. Its high efficiency design ensures maximum water flow with minimal restriction

### Applications

- In-ground pools and spas

### Features – DDC2

#### (Deck-side Debris Containment Canister)

- Quick and easy debris removal; no threads, clamps, or seals
- Allows pump to operate without interference
- Includes fine mesh bag for fine debris removal
- Holds 300% more than most pump baskets
- Ideal for high leaf areas

### Features – EDC

#### (Equipment-side Debris Canister)

- Constructed of weather and UV resistant thermoplastics for long term durability
- Clear bayonet lid
- Includes fine mesh bag for fine debris removal
- Holds 300% more than most pump baskets
- Ideal for high leaf areas

# Automatic Skimmers/Skim Vacs

ABOVE-GROUND AND IN-GROUND POOLS

Hayward® automatic skimmers have been an industry standard for more than 30 years. The Dyna-Skim skimmers have been redesigned to match the needs of today's above ground pools, while remaining applicable for use on existing pool models.

### Application – Dyna-Skim

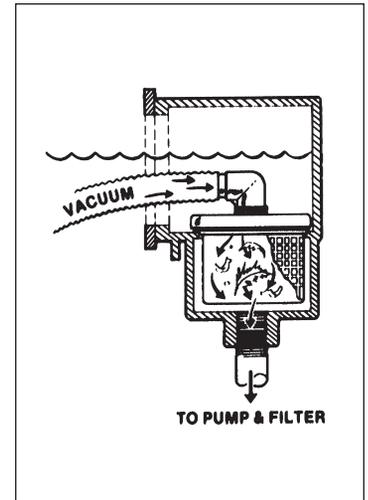
- Above-ground pools

### Features – Dyna-Skim

- Heavy duty UV resistant construction
- Large debris collection basket
- Top and front basket access
- One piece body construction
- Snap-in and removable weir
- 1 1/2" female straight pipe threads
- Quick disconnect pipe connection
- Compatible with wide top seat pools



SP1091WM Wide Mouth Dyna-Skim



Skim Vac Action

## Dyna-Skim Above-Ground Skimmer Buying Guide

Model Number	Front/Top Basket Access	Low Profile	Hydrosweep Recirculation Pkg.	Pipe Size	Ctn. Qty.	Ctn. Weight
SP1091WM*	•	Wide-Mouth	2	1 1/2" FPT	6	46 lbs.
SP1091LX**	•	•	2	1 1/2" FPT	6	32 lbs.

**NOTES:** \*Replaces SP1090WM

\*\*Replaces SP1090, SP1091ES and SP1095ES

1—Includes SP11071 Skim Vac.

2—Includes SP1023, SP1419D, (2) 1 1/2" x 1 1/2" hose adapters, and SP11041 Skim Vac.

3—Includes SP1094D Skim Vac.

Skim Vacs have revolutionized the process of vacuuming pools. By utilizing the skimmer basket instead of the pump strainer basket, the need to turn the pump on and off has been eliminated. Simply attach the appropriate Skim Vac to the vacuum hose, locate over the skimmer basket and begin vacuuming.

### Application – Skim Vac

- In-ground pools
- Above-ground pools

## Skim Vac Buying Guide

Model Number	Skimmer Application	Hose Connection	Rubber Gasket	Ctn. Qty.	Ctn. Weight
<b>Above-Ground</b>					
SP1094D	SP1094, SP1095	1 1/4"/1 1/2" Elbow	No	20	5 lbs.
SP11041	SP1090, 1091, 1092	1 1/4"/1 1/2" Elbow	No	50	22 lbs.
SP11051	SP1090, 1091, 1096, 1097 and 1098	1 1/4" Straight Barb	Yes	50	22 lbs.
SP11052	SP1090, 1091, 1092	1 1/4" Elbow	Yes	50	25 lbs.
SP11054	SP1090, 1091, 1092	1 1/4"/1 1/2" Combo Adapter	Yes	50	23 lbs.
<b>In-Ground</b>					
SP1106	SP1082, 1084, 1085, 1075	1 1/2" Straight	Yes	20	13 lbs.
SP11063	SP1070	1 1/2" Straight	No	20	11 lbs.
SP1107	SP1082, 1084, 1085, 1070 and 1075	1 1/2" Straight	No	20	8 lbs.
SP11071	SP1089	1 1/4"/1 1/2" Elbow	No	20	11 lbs.

# Valves

VARIFLO® SAND FILTER CONTROL VALVES, IN-LINE SIGHT GLASSES

OPEN LINE



SP0710XALL VariFlo Control Valve



SP0714T VariFlo XL Control Valve

VariFlo® XL multiport control valves, engineered for maximum flow at lower pressure drops are the professional's choice in multiport valves.

All VariFlo control valves feature an easy-to-use lever action handle that lets you “dial” up to seven valve/filter functions: filter, backwash, waste, rinse, closed, winter or recirculate. Complete with an integral sight glass that lets you see when the backwashing cycle is completed, our wide selection of valve configurations allows you to match the right VariFlo valve to the proper application; residential, commercial, top-mount or side mount.

## VariFlo Valve Buying Guide

Model Number	Valve Positions	Pipe Size	Body Colour	Mounting Location	Closure Design	Ctn. Qty.	Ctn. Weight
SP0710XALL*	6	1 ½" FIP	White	Side	—	10	50 lbs.
SP071621	6	2" FIP	Black	Top	Clamp	1	8 lbs.
SP0714T	7	1 ½" FIP	Black	Top	Clamp	1	5 lbs.
SP0715ALL**	6	2" FIP	Black	Side	—	8	70 lbs.

**NOTES:** \*Includes two 1 ½" pipe plugs

\*\*Includes two 2" pipe plugs

SP0704 Replacement Valve: SP0714T

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
<b>Sight Glasses</b>				
SP1072S	1 ½" SKT	ABS, Horizontal in-line style	24	28 lbs.
SP1074S	2" SKT	ABS, Horizontal in-line style	50	39 lbs.

### VariFlo Control Valve Functions

**FILTER** – For normal filtering and regular vacuuming.

**BACKWASH** – For cleaning filter sand bed of accumulated debris.

**RINSE** – Use after completing backwash cycle to ensure all dirty water is rinsed out of the filter to waste.

**WASTE** – By-passes the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line.

**RECIRCULATE** – Water is recirculated through the valve, by-passing the filter.

**CLOSED** – Shuts off the flow from the pump to the filter.

**WINTER** – For winterizing (SP0714T only).

SelectaFlo high-efficiency backwash valves are hydro-engineered to provide superior flow at lower pressure drops. They feature an easy-to-use trigger action handle that lets you select from four valve/filter functions: filter, backwash, pump to waste or recirculate. SelectaFlo valves are ideal for D.E. filter applications requiring high efficiency and low head loss.

### Control Valve Functions

**FILTER** – For normal filtering and regular vacuuming.

**BACKWASH** – For purging filter of accumulated debris.

**WASTE** – Bypasses the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line.

**RECIRCULATE** – Water is recirculated through the valve, bypassing the filter.

### Features

- Rugged ergonomic handle allows for easy selection of four positions: filter, backwash, pump to waste or recirculate
- EcoFlo fitting (included with valve) allows for simple and efficient plumbing to TriStar™ pumps
- Built-in sight glass provides convenient backwash viewing
- Innovative lock ring and seal carrier minimize service time
- Versatile ports accept 2" (SKT) or 2.5" (Spig) pipe for easy installation

SelectaFlo and VariFlo multiport control valves feature an easy-to-use lever action handle that lets you “dial” up to six valve/filter functions: filter, backwash, waste, rinse, closed, or recirculate. Complete with an integral sight glass that lets you see when the backwashing cycle is completed, our wide selection of valve configurations allows you to match the right valve to the application.

### Control Valve Functions

**FILTER** – For normal filtering and regular vacuuming.

**BACKWASH** – For cleaning filter sand bed of accumulated debris.

**RINSE** – Use after completing backwash cycle to ensure all dirty water is rinsed out of the filter to waste.

**WASTE** – By-passes the filter for draining or lowering pool water level and for vacuuming heavy debris directly to waste line.

**RECIRCULATE** – Water is recirculated through the valve, by-passing the filter.

**CLOSED** – Shuts off the flow from the pump to the filter



SP0425 designed to fit Hayward® ProGrid and DEP 500 Series D.E. Filters

## SelectaFlo High-Efficiency Filter Valve Buying Guide

Model Number	Description	Port Size	Valve Positions	Ctn. Qty.	Ctn. Weight
SP0425	SelectaFlo High-Efficiency Filter Valve	2" SKT x 2 1/2" SLIP	4	1	13 lbs.

## Multiport and Slide Valve Buying Guide

Model Number	Description	Pipe Size	Valve Positions	Ctn. Qty.	Ctn. Weight
SP0740DE	SelectaFlo	2" SKT	4	1	9 lbs.
SP0710XR50	VariFlo	1 1/2" FIP	6	1	6 lbs.
SP0715XR50	VariFlo	2" FIP	6	1	9 lbs.
SP0410X502S	Side Valve	2" SKT	2	1	4 lbs.
SP0425	Coupling	1 1/2" SKT x 2" SLIP	—	10	10 lbs.

## Performance Data – Valve Positions

Model Number	Filter	Backwash	Waste	Recirculate	Rinse	Closed
SP0425	•	•	•	•	—	—
SP0740DE	•	•	•	•	—	—
SP0710XR50	•	•	•	•	•	•
SP0715XR50	•	•	•	•	•	•
SP0410X502S	•	•	—	—	—	—
DE2400PAK2CS	•	—	—	—	—	—

# Valves

DIVERTER, CHECK AND BALL VALVES

OPEN LINE



3-way PSV Valve



PSV Check Valve

Hayward® PSV Series 2-way and 3-way diverter valves and check valves make water flow management simple and maintenance free. Durable CPVC body and lid construction provide greater heat tolerance, preventing warping and leaks in the most demanding environments. All components are made of corrosion resistant materials allowing for proper function over an extended life. PSV Series valves are available in multiple material, size and port configurations to accommodate most new construction and aftermarket scenarios.

PSV3S and PSV3SDGR models feature externally threaded ports for use with one SP1500UNPAK1 union fitting included with each valve.

PVC Valves not recommended for ambient temperatures of 104°F or above.

Hayward ball valves are designed for maximum flow efficiencies and pressure ratings up to 50 psi. They feature a dial handle for easy flow regulation and visual indication of valve setting. Teflon seats and union end connectors accurately align the ball and provide a dependable sealing surface.

## PSV Diverter & Check Valve Buying Guide

Model Number	Description	Pipe Size	Material	Ctn. Qty.	Ctn. Weight
PSV2S	2-way	1 1/2" - 2"	CPVC	20	35 lbs.
PSV2S2	2-way	2" - 2 1/2"	CPVC	20	38 lbs.
PSV3S	3-way	1 1/2" - 2"	CPVC	20	38 lbs.
PSV3S2	3-way	2" - 2 1/2"	CPVC	20	40 lbs.
PSV2SDGR	2-way	1 1/2" - 2"	PVC	20	35 lbs.
PSV2S2DGR	2-way	2" - 2 1/2"	PVC	20	38 lbs.
PSV3SDGR	3-way	1 1/2" - 2"	PVC	20	38 lbs.
PSV3S2DGR	3-way	2" - 2 1/2"	PVC	20	40 lbs.
PSCV2S	Check Valve	1 1/2" x 2"	CPVC	20	35 lbs.
PSCV2S2	Check Valve	2" x 2 1/2"	CPVC	20	38 lbs.
PSCV2SDGR	Check Valve	1 1/2" x 2"	PVC	20	35 lbs.
PSCV2S2DGR	Check Valve	2" x 2 1/2"	PVC	20	38 lbs.
PSV3S3	3-way	3"	CPVC	20	3.4 lbs.
PSV2S3	2-way	3"	CPVC	20	3.4 lbs.
PSCV2S3	Check Valve	3"	CPVC	20	3.4 lbs.

## Ball Valve Buying Guide

Model Number	Description	Pipe Size	Material	Ctn. Qty.	Ctn. Weight
<b>Deluxe</b>					
SP0727	3-way	1 1/2" MIP	ABS	20	19 lbs.
SP0735	4-way	1 1/2" FIP	ABS	20	33 lbs.
<b>Trimline</b>					
SP0722	2-way	1 1/2" FIP	ABS	24	21 lbs.
SP0722S	2-way	1 1/2" SKT	PVC	24	21 lbs.
SP0723	2-way	1 1/2" MIP x 1 1/2" FIP	ABS	24	23 lbs.
SP0723S	2-way	1 1/2" MIP x 1 1/2" SKT	ABS	24	23 lbs.
<b>Trimline Deluxe</b>					
SP0724S	2-way	2" SKT	ABS	20	24 lbs.
<b>Econoline</b>					
SP0729	2-way	1 1/2" MIP x Hose Adapter	ABS	24	12 lbs.

NOTE: For commercial ball valves see page 431.



SP0722S Trimline Ball Valve

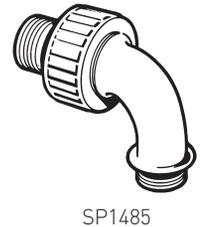
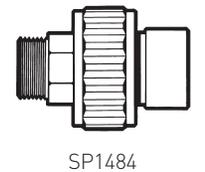
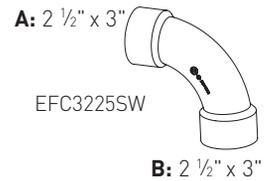
# Connection Fittings and Unions

MULTIPURPOSE CONNECTION FITTINGS

OPEN LINE

## Connection Fitting and Union Buying Guide

Model Number	Pipe Size	Description	Material	Ctn. Qty.	Ctn. Weight
<b>EcoFlo Fittings</b>					
EFC3220SW	A: 2" x 2 1/2" B: 2"	EcoStar®/TriStar® 2" x 2 1/2" Sweep	PVC	20	10 lbs.
EFC3225SW	A: 2 1/2" x 3" B: 2 1/2" x 3"	EcoStar/TriStar 2 1/2" x 3" Sweep	PVC	10	10 lbs.
EFC3220TR	2" x 2 1/2"	2" x 2 1/2" Heater Transition	CPVC	30	10 lbs.
<b>Full-Flo Self-Aligning Unions</b>					
SP1480BLK	1 1/2" MIP	Self-Aligning Double Male End Union, Black	ABS	50	36 lbs.
SP1484	1 1/2" MIP x 1 1/2" SKT	Self-Aligning Male/Female Union	ABS	50	37 lbs.
SP1485	1 1/2" MIP	Self-Aligning Double Male End Union End Sweep 90°, short	ABS	20	27 lbs.
SP1486	1 1/2" MIP	Clear, Self-Aligning Double Male End Union and Compression Fitting-90° Sweep, 10" long	ABS/LEXAN	20	34 lbs.
<b>Flush Unions</b>					
SP14952	1 1/2" FIP	Flush Female Union	ABS	50	32 lbs.
SP14952S	1 1/2" SKT(ID) or 2" SLIP(OD)	Flush Female Socket Union	ABS	50	29 lbs.
SP14952S50	1 1/2" SKT(ID) or 2" SLIP(OD)	Bulk Pack of 50 SP14952S	ABS	1	26 lbs.
SP14953S	1 1/2" MIP x 1 1/2" SKT(ID) or 2" SLIP(OD)	Flush Male/Female Socket Union	ABS	50	29 lbs.
SP14982S	2" SKT	Flush Female Socket Union	PVC	50	40 lbs.
SP14983S	2" MIP x 2" SKT	Flush Male/Female Socket Union	PVC	50	40 lbs.
<b>Econo-Unions</b>					
SP1493	1 1/2" MIP	Quick Disconnect - 1 1/2" hose (barb)	ABS	50	15 lbs.
<b>Union Check Valves</b>					
SP1091CV	1 1/2" MIP	In-Line Combo 1 1/2" x 1 1/4" Hose Adapter and Check Valve	ABS	40	9 lbs.
SP14461S	1 1/2" SKT	Union Check Valve	ABS	50	37 lbs.
<b>Union Connectors</b>					
SP1500UNPAK2	1 1/2" SKT	Flush Union Connector Set (2 pack) 1.5" SKT	ABS	50	12 lbs.



## Fittings & Accessories Buying Guide



SP1419D



SP1421D



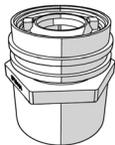
SP1418D



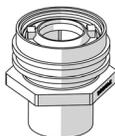
SP1022



SP1022C



SP1044



SP1044INS

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
<b>Directional Flow Inlet Fittings – Standard (Return to Pool)</b>				
SP1419A*	1 1/2" MIP	Hydrosweep slotted opening	50	7 lbs.
SP1419B*	1 1/2" MIP	Hydrostream 3/8" opening	50	7 lbs.
SP1419C*	1 1/2" MIP	Hydrostream 1/2" opening	50	7 lbs.
SP1419D*	1 1/2" MIP	Hydrostream 3/4" opening	50	7 lbs.
SP1419E*	1 1/2" MIP	Hydrostream 1" opening	50	7 lbs.
SP1420	1 1/2" MIP	Hydrostream, 1" rubber nozzle	25	5 lbs.
SP1421D*	1 1/2" SLIP	Hydrostream Insider Fitting – 3/4" opening	25	5 lbs.
SP1421E	1 1/2" SLIP	Hydrostream Insider Fitting – 1" opening	25	5 lbs.
SP1419T	—	Seat Removal Tool for Hydrosweep/Hydrostreams	100	5 lbs.

**NOTE:** \*Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

### Directional Flow Inlet Fittings – Extended Flange

SP1418D*	1 1/2" MIP	Hydrostream, large – 3/4" opening	50	10 lbs.
SP1422D	1 1/2" SLIP	Hydrostream Insider – 3/4" opening	50	12 lbs.
SP1422E	1 1/2" SLIP	Hydrostream Insider – 1" opening	50	11 lbs.

The following fittings all have 1 1/2" internal threads for use with directional fittings, plugs, grate inserts, outlet covers and Jet-Air hydrotherapy fittings. Choose the appropriate fittings for concrete, vinyl or fiberglass applications.

### Inlet Receptacles & Vacuum Fittings – Concrete Pools

SP1022*	1 1/2" FIP	1.5" Threaded Return Fitting	50	11 lbs.
SP1022S*	1 1/2" SKT	1.5" Socket Return Fitting	50	11 lbs.
SP1022S2*	2" SKT	2" Socket PVC Return Fitting	50	15 lbs.
SP1022INS	1 1/2" INS	Fitting (1 1/2" FIP face x 1 1/2" SLIP stub end)	50	11 lbs.
SP1022B**	1 1/2" MIP	Flush Plug with Gasket	100	5 lbs.
SP1022C**	1 1/2" MIP	All Purpose Plug with O-Ring	100	6 lbs.
SP1022C2BLK	2" MIP	All Purpose Plug With O-Ring	50	5 lbs.

**NOTES:** \*Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

\*\*Available in Gray and Black. Add suffix GR for Gray and BLK for Black.

### Vac Lock Safety Wall Fitting

W400BWHP		Vac Lock Safety Wall Fitting, White	10	2.5 lbs.
W400BBKP		Vac Lock Safety Wall Fitting, Black	10	2.5 lbs.
W400BLGP		Vac Lock Safety Wall Fitting, Lt. Gray	10	2.5 lbs.

**OPEN LINE**

## Fittings & Accessories Buying Guide

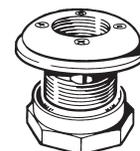
Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
<b>Inlet Fittings – Vinyl/Fiberglass Pools, Spas, Hot Tubs</b>				
SP1023	1 1/2" FIP 1.5"	Threaded Return Fitting for Fiberglass	50	17 lbs.
SP1023S*	1 1/2" SKT	1 1/2" Socket Return Fitting for Fiberglass	50	17 lbs.
SP1023S2*	2" SKT	2" PVC Body Return Fitting for Fiberglass	50	23 lbs.
SP1023G	1 1/2" FIP	SP1023 Return Fitting With Sandwich Gasket for ABG Pools	50	19 lbs.
SP1026*	1 1/2" MIP	Grate Insert	50	4 lbs.
SP1408*	1 1/2" FIP	1 1/2" Threaded Return Fitting for Vinyl	50	28 lbs.
SP1408S2*	2" SKT	2" PVC Body Return Fitting for Vinyl	50	34 lbs.
<b>Wall/Floor Inlet Fittings – Concrete Pools</b>				
SP1424	1 1/2" FIP x 2" MIP	Adjustable Inlet	50	26 lbs.
SP1424S	1 1/2" SKT x 2" MIP	Adjustable Inlet	50	26 lbs.
SP1425	1 1/2" FIP x 2" MIP	Adjustable Floor Inlet	50	27 lbs.
SP1425S	1 1/2" SKT x 2" MIP	Adjustable Floor Inlet	50	26 lbs.
<b>Deck Drains</b>				
SP1019**	1 1/2" FIP + 2" COUP	Socket/Deck Drain	50	25 lbs.
SP1019BA	—	Rectangular Grate, with screws	100	7 lbs.
<b>Lane Marker Anchors</b>				
SP1040		Bar Type Anchor, ABS (concrete pools)	50	23 lbs.
SP0404		Eyebolt Assembly, ABS – with locknut and gasket (vinyl, fiberglass pools)	50	18 lbs.
<b>Anchor Sockets</b>				
SP1392	1 1/2"	Anchor Socket, ABS, heavy-duty	50	26 lbs.
<b>Escutcheons</b>				
SP1041	1 1/2"	Escutcheon Plate, ABS	50	7 lbs.
SP1042	1 1/2"	Escutcheon Plate, ABS, Chrome Plated	50	7 lbs.

**NOTES:** \*Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

\*\*Also available in Gray and Black. Add suffix GR for Gray and BLK for Black.



SP1023



SP1408



SP1026



SP1425



SP1019



SP1040



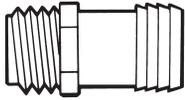
SP1392

# Accessories

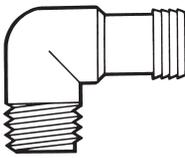
## MISCELLANEOUS ACCESSORIES

**OPEN LINE**

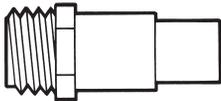
### Miscellaneous Accessories Buying Guide



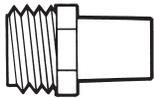
SPX1091Z2



SPX1105Z4



SPX1091Z7



SPX1091Z1

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>Hose Kit and Hose Adapters</b>			
EC1155	1 1/2" Hose Kit with Adapters and Clamps	1	4 lbs.
SPX1091Z2PAK2	1 1/2" MIP x 1 1/2" Hose Barb Adapter <i>(set of 2)</i>	10	3 lbs.
SPX1105Z4	1 1/2" MIP x 1 1/2" Hose – Combination Insert Elbow	50	13 lbs.
SPX1082Z3	2" MIP x 1 1/2" Hose – Male (Smooth) Red. Adapter	50	8 lbs.
SPX1091Z1	1 1/2" MIP x 1 1/4" Hose – Male (Smooth) Red. Adapter	50	5 lbs.
SPX1105Z2	1 1/2" MIP x 1 1/4" Hose – Male (Smooth) Red. Elbow Adapter	50	8 lbs.
SPX1105Z3	1 1/2" MIP x 1 1/2" Hose – Combination (Smooth) Elbow	50	8 lbs.
SPX1091Z4	1 1/2" MIP x 1 1/2" Hose – Male (Smooth) Adapter	50	5 lbs.
SPX1091Z7PAK2	1 1/2" MIP x 1 1/2" and 1 1/4" Hose Adapter <i>(set of 2)</i>	25	12 lbs.
SPX1091Z9	1 1/2" MIP x 1 1/2" FIP – Threaded Extension Coupling	100	12 lbs.
<b>Pipe Plugs</b>			
SPX1600V	1/4" – Pipe Plug	100	1 lb.
SPX1051Z1	1 1/2" – Pipe Plug	100	8 lbs.
SP1022CBLK	1 1/2" – Threaded Plug With O-Ring – Black	100	7 lbs.
SPX1053Z1	2" – Pipe Plug	100	11 lbs.
SP1022C2BLK	2" – Threaded Plug With O-Ring – Black	100	9 lbs.
<b>Hose Clamps and Pressure Gauges</b>			
SPX1091Z6	Double Wire Hose Clamp – 1 1/2" Hose	50	3 lbs.
ECX18028	Stainless Steel Strap Clamp – 1 1/2" Hose	50	13 lbs.
ECX270861	1/4" Side Mount Pressure Gauge	100	26 lbs.
ECX271261	1/4" Side Mount Pressure Gauge with Indicators	50	15 lbs.
ECX27091	1/4" Back Mount Pressure Gauge	25	8 lbs.
ECX2712B1	1/4" Back Mount Pressure Gauge with Indicators	50	15 lbs.
<b>Miscellaneous</b>			
EC10SC50	1 lb. DE Scoop (Case of 50)	1	12 lbs.
EC2024	Jet Action Cleaning Wand	10	4 lbs.
SPX0327	Jack's Formula 327 Multilube – 1 oz. Tube	50	4 lbs.
SP022310	10" Bobby Disposable Filter	20	13 lbs.
SP022320	20" Bobby Disposable Filter	20	20 lbs.

JetAir III and Adjustable JetAir III systems offer interchangeable jet nozzles, allowing for multiple configuration options to achieve the type of hydro-massage action you want, where you want it. With the adjustable JetAir III system, you can control the water and air flow right at the jet face providing a variety of therapy options at your fingertips.

### Features

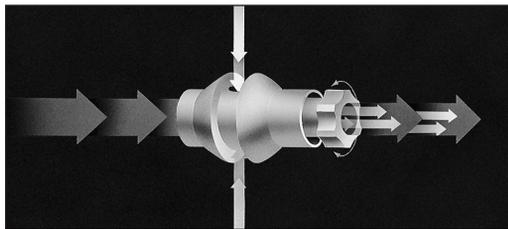
- Nozzle interchangeability allows for custom jet configurations
- Balanced hydraulics let user mix and match jet nozzles without affecting performance of the system
- Universal nozzle retrofitability allows consumers to update to the nozzle of their choice at any time
- Modular packaging: A – Bodies/Bulkheads; B – Jet nozzles



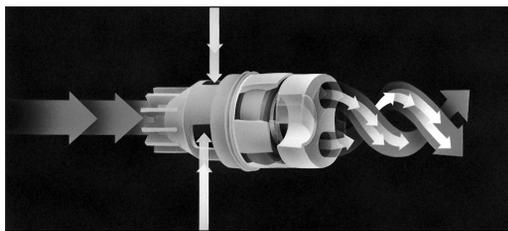
SP1437 Whirl-Flo Jet



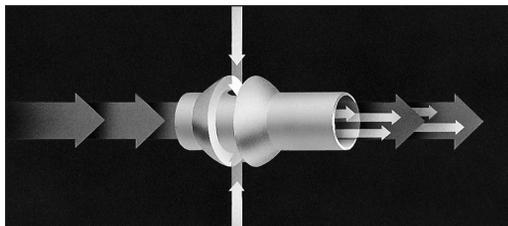
SP1434 VariFlo Jet



SP1434 VariFlo – Fully adjustable and directional  
**Note:** Not for use with the adjustable JetAir III system.



SP1436 Pulse-Flo – Pulsation and rotation for the ultimate hydro-massage action



SP1437 Whirl-Flo – Powerful, fully directional whirlpool jet provides 10-30 GPM range

## Hydrotherapy Fitting Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>JetAir III Common Body Assembly</b>			
Includes combo air/water connection body, bulkhead fitting and gasket. All connections are socket.			
SP1434PAKA*	1 ½" air x 1 ½" water	25	26 lbs.
SP14341PAKA	1" air x 1" water	15	15 lbs.
SP14343PAKA	1" air x 1 ½" water	15	15 lbs.

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>JetAir III Nozzle Assembly</b>			
Fits both JetAir III and Adjustable JetAir III Systems			
SP1434PAKB*	VariFlo Nozzle Assembly – Adjustable	25	6 lbs.
SP1436PAKB	Pulse-Flo Nozzle Assembly – Rotating	25	4 lbs.
SP1437PAKB	Whirl-Flo Nozzle Assembly – Whirlpool	25	3 lbs.

**NOTE:** \*Available in Gray and Dark Gray. Add suffix GR for Gray and DGR for Dark Gray. All nozzle assemblies will retrofit previously installed SP1434 Series JetAir III fittings.

### Accessories

SP1434T	Combination Tool for Bulkhead and Nozzle	50	20 lbs.
SP1434TP	Test Plug Tool	20	13 lbs.

# Hydrotherapy Fittings

JETAIR®, TURBO-BOOST AND SPA FITTINGS

**OPEN LINE**

## Hydrotherapy Fitting Buying Guide

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
<b>JetAir Hydrotherapy Fittings</b>				
SP1430	1 1/2" FIP x 1 1/2" MIP	JetAir Fitting, for permanent installation. Fits any 1 1/2" FIP hub	50	20 lbs.
SP1430S	1 1/2" SKT x 1 1/2" MIP	JetAir Fitting, for permanent installation. Fits any 1 1/2" FIP hub	50	20 lbs.
SP1430T	—	JetAir Nozzle Removal Tool	25	11 lbs.
SP14311	1 1/2" MIP x 1 1/2" FIP	JetAir Fitting. For in-pool installation. Removable 18" air supply tube with cap and SP1420	25	25 lbs.
SP1433	1 1/2" FIP	JetAir Fitting Package. Includes SP1430 JetAir Fitting, SP1022 Receptacle, SP1420 Nozzle	50	34 lbs.
SP1433S	1 1/2" SKT	Same as SP1433, except includes SP1430S	50	34 lbs.
<b>Turbo-Boost Jets</b>				
SP1450T	1 1/2" SKT	Turbo-Boost Spa Jet Fitting. Includes body with high flow directional nozzle, bulkhead fitting, gasket and 1 1/2" sweep elbow	20	36 lbs.
SP1450WP2	—	Winterizing Plug with O-ring. For SP1450T Series	10	5 lbs.

## Spa Skimmer Buying Guide

Model Number	Pipe Size	Description	Ctn. Qty.	Ctn. Weight
<b>Surface Skimmers</b>				
SP1099S	1 1/2" SKT x 2" SLIP	Front Access Spa Skimmer with gasket, 1 1/4" screws, washers, nuts and face cover plate (white)	1	3 lbs.

## Spa Blower Buying Guide



**Hayward® Spa Blowers feature a unique rubber motor base for exceptionally quiet performance. Available in various voltages and horsepower ratings and designed for extended life, making it easy to find a match for any application.**

Model Number	Horsepower	Voltage	Ctn. Qty.	Ctn. Weight
SPB101	1.0 H.P.	115 VAC	1	9 lbs.
SPB102	1.0 H.P.	230 VAC	1	9 lbs.
SPB151	1.5 H.P.	115 VAC	1	9 lbs.
SPB152	1.5 H.P.	230 VAC	1	9 lbs.
SPB201	2.0 H.P.	115 VAC	1	9 lbs.
SPB202	2.0 H.P.	230 VAC	1	9 lbs.

# Cleaning Equipment

POWER-VAC™ AND SUPER-VAC™

The Hayward® Power-Vac and Super-Vac family of vacuum cleaning heads are molded of tough, durable thermoplastic and are engineered to handle all types and sizes of swimming pools. The 360° swivel hose connector allows you to easily maneuver the vac head in the pool, while the “see-thru” head lets you view the bottom while cleaning. These deluxe vac heads are the industry standard.

## Applications

- In-ground pools
- Above-ground pools

## Features

- “See-thru” design for fast and easy cleaning
- Long-wearing brushes quickly loosen tough algae spots
- Contoured shape provides for easy corner and step cleaning
- 360° swivel connector ends aggravating hose tangling
- Optional weight package for extra vacuuming convenience
- Supplied in professional point-of-sale packaging



SP1068 Super-Vac



SP1067 Power-Vac

## Vacuum Cleaner Head Buying Guide

Model Number	Description	Ctn. Qty.	Ctn. Weight
<b>Vinyl, Fiberglass Pools</b>			
SP1067	12" Circular Vacuum Head. Wrap-around brush (1-piece). 1 1/2" hose connection. Quick-snap handle connector.	5	16 lbs.
SP1068	See-thru Triangular Vacuum Head with 3 brushes. 1 1/4" and 1 1/2" swivel hose connections included. Optional weights. Quick-snap handle connector. For in-ground and above-ground applications.	10	33 lbs.
SP1068DL	Deluxe Vacuum Head that includes the SP1068 package and three (3) 1/3 lb. weights	10	43 lbs.
<b>Accessory</b>			
SP1068FA	1 lb. Weight Pak (3 1/3 lb. weights) for SP1068, SP1069	25	25 lbs.

# MEET THE HAYWARD ENERGY STAR<sup>®</sup> CERTIFIED LINEUP.



OUR COMPLETE LINEUP OF VARIABLE-SPEED PUMPS IS ELIGIBLE FOR LOCAL UTILITY REBATES THROUGH THE ENERGY STAR<sup>®</sup> REBATE PROGRAM\*.



MAXFLO<sup>®</sup> VS 500

SUPER PUMP<sup>®</sup> VS 700

TRISTAR<sup>®</sup> XL

TRISTAR<sup>®</sup> VS 900 & 950



Programmable to optimize energy efficiency without compromising performance.



Quieter operation, better filtration and lower hydraulic stress on other pool pad products.



Dynamic control of pump speed in harmony with water features can produce dramatic backyard effects.

\*Rebates available through ENERGY STAR<sup>®</sup>'s rebate program where applicable.

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 **HAYWARD<sup>®</sup>**  
We Build Better.<sup>®</sup>

# 2025 REPLACEMENT PARTS



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Supersedes all price lists of prior dates. Please see Terms & Conditions of Sale, inside back cover.

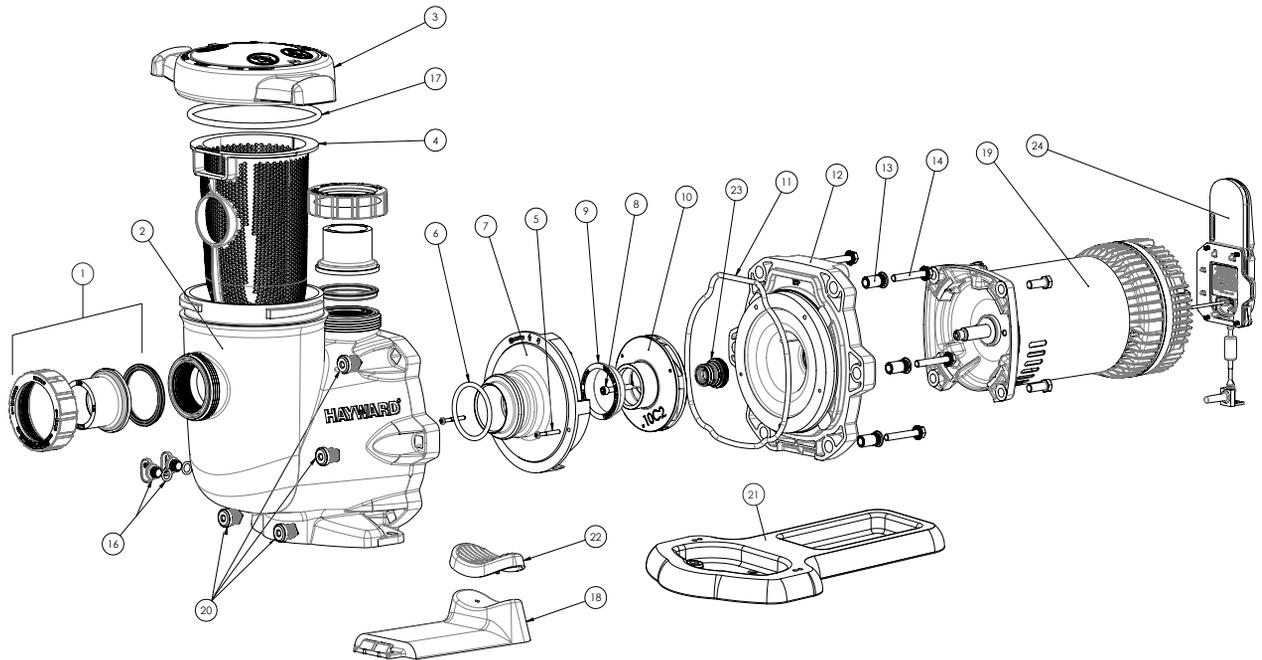
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HPXXAEE Series .....	224–227		
HPXXA(1) Series .....	228–231		

**NOTE:** The number that appears in the “CTN. QTY.” (Carton Quantity) is the pre-packaged, recommended ordering quantity for a part. The List Prices shown do not necessarily represent the prices that products are sold for to retail customers.

# TriStar VS 800 Series OmniX®

## PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: VSP32810, VSP32815, VSP32820

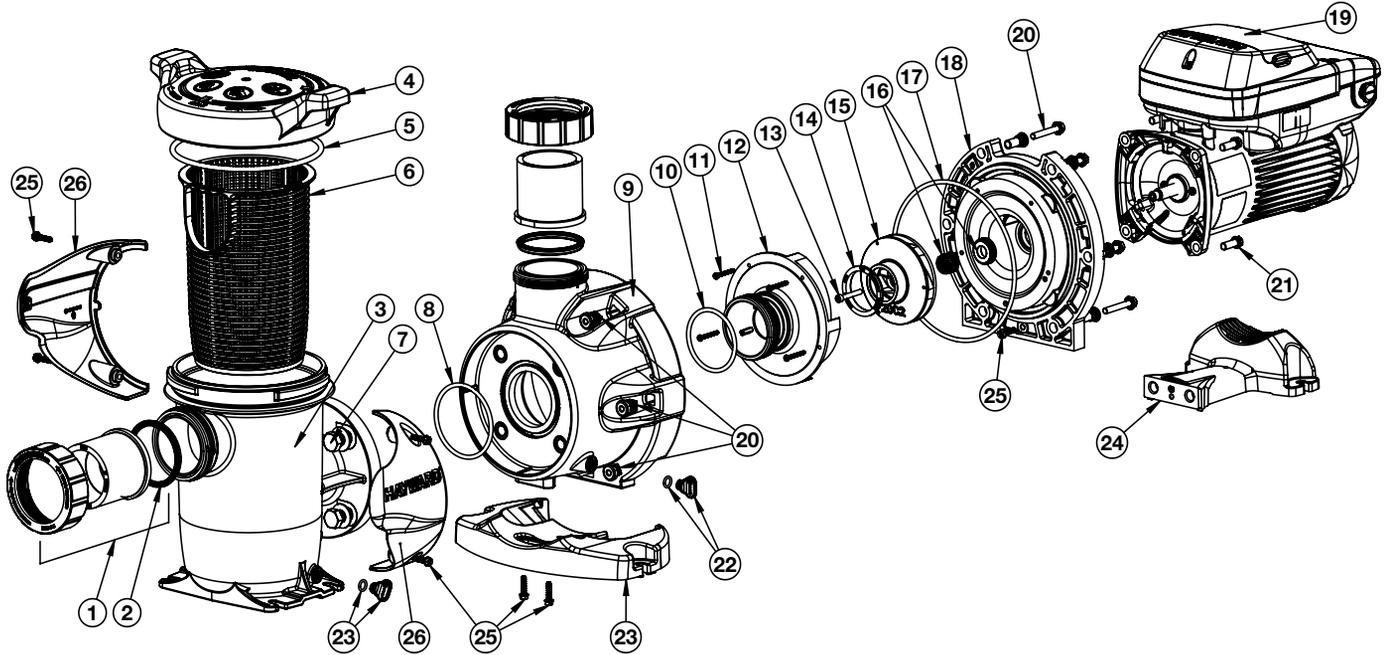


Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX3200UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors & Gaskets)	10
2	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs	1
3	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring & O-Ring)	10
4	SPX3200M	Strainer Basket	2
5	SPX3200Z8	Diffuser Screw	50
6	SPX4000Z1	Diffuser O-Ring	50
7	SPX3200B3	Diffuser	5
8	SPX3200Z1	Impeller Screw	50
9	SPX3021R	Impeller Ring	100
10A	SPX3207C	1.25THP Impeller with Impeller Screw	1
10B	SPX3210C	1.85THP Impeller with Impeller Screw	10
10C	SPX3215C	2.25THP Impeller with Impeller Screw	10
11	SPX3200T	Housing O-Ring	50
12	SPX3200E	Seal Plate	5
13	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50
14	SPX3200Z3	Housing Bolt	50
15	SPX3200Z5PAK4	Motor Bolt (package of 4)	50
16	SPX4000FG	Drain Plug with O-Ring	50
17	SPX3200S	Strainer O-Ring	50
18	SPX3200GA	Motor Support	5
19A	VSX32810PE	1.25 HP Power End includes #5-#12, #15, #18, #19, #22, #23, #24	1
19B	VSX32815PE	1.85 HP Power End includes #5-#12, #15, #18, #19, #22, #23, #24	1
19C	VSX32820PE	2.25 HP Power End includes #5-#12, #15, #18, #19, #22, #23, #24	1
20	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	50
21A	SPX3200WF	Optional Riser Base (aligns with Pentair® WhisperFlo® pump*)	1
21B	SPX3200SR	Optional Riser Base (aligns with Pentair® WhisperFlo® pump*)	1
22	SPX3200Q2	Motor Support Adapter	100
23A	SPX3200SA	Shaft Seal Assembly	10
23B	SPX4000SAV	Shaft Seal Assembly (Viton)	10
24	VSPOMNIX	OmniX Module	5

# TriStar® XL

## HCP 3000 PUMP SERIES (ENERGY EFFICIENT, FULL-RATED) REPLACEMENT PARTS

### Part Diagram and Parts Listing

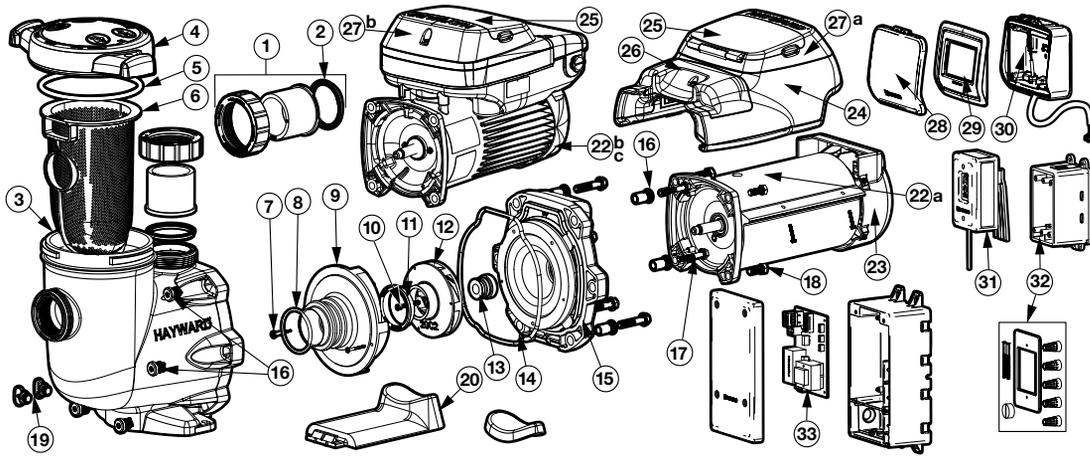


Ref. No.	Part No.	Description	Ctn. Qty.
1	HCXP3000UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket <i>(2 each)</i> )	5
2	HCXP3000UG	Union Gasket (set of 2)	10
3	HCXP3000H	Strainer Housing with Drain Plug	1
4	HCXP3000DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	5
5	SPX4000S	Strainer Cover O-Ring	50
6	HCXP3000M	Strainer Basket	1
7	---	Strainer Housing Flange Bolt/Washer <i>(4 each)</i> . Not Sold Separately.	--
8	HCXP343V70	Strainer Housing Flange O-Ring	10
9	HCXP3000A	Pump Housing with Drain Plug	1
10	HCXP338V60	Diffuser O-Ring	10
11	SPX3200Z8	Diffuser Screws <i>(5 pack)</i>	50
12	HCXP3000B	Diffuser, 2 - 5 H.P.	1
13	SPX3200Z1	Impeller Screw	50
14	HCXP3000R	Impeller Ring, 2 - 5 H.P.	10
15	HCXP3020C	2 H.P. Impeller with Impeller Screw	10
16	SPX4000SAV	Shaft Seal Assembly	10
17	HCXP369V70	Pump Housing O-Ring	10
18	HCXP3000E	Seal Plate	1
19	SPX3200LCD	Digital Control Interface Assembly	1
20	SPX3200Z3	Housing Bolt	50
21	---	Motor Bolt <i>(4 pack)</i> . Not Sold Separately.	--
22	SPX4000FG	Drain Plug with O-Ring	50
23	---	Pump Housing Base. Not Sold Separately.	--
24	---	Motor Support Base. Not Sold Separately.	--
25	---	Base Screws <i>(7 pack)</i> . Not Sold Separately.	--
26	--	Right and Left Sie Plate Set, Platinum. Not Sold Separately.	--
—	HCXP3020Z1VSPE	Motor Power End	1

# Tristar® VS 900/950 Omni®

## PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP32950VSP<sup>✓</sup>, SP32900VSP<sup>✓</sup>, HL32950VSP, HL32900VSP

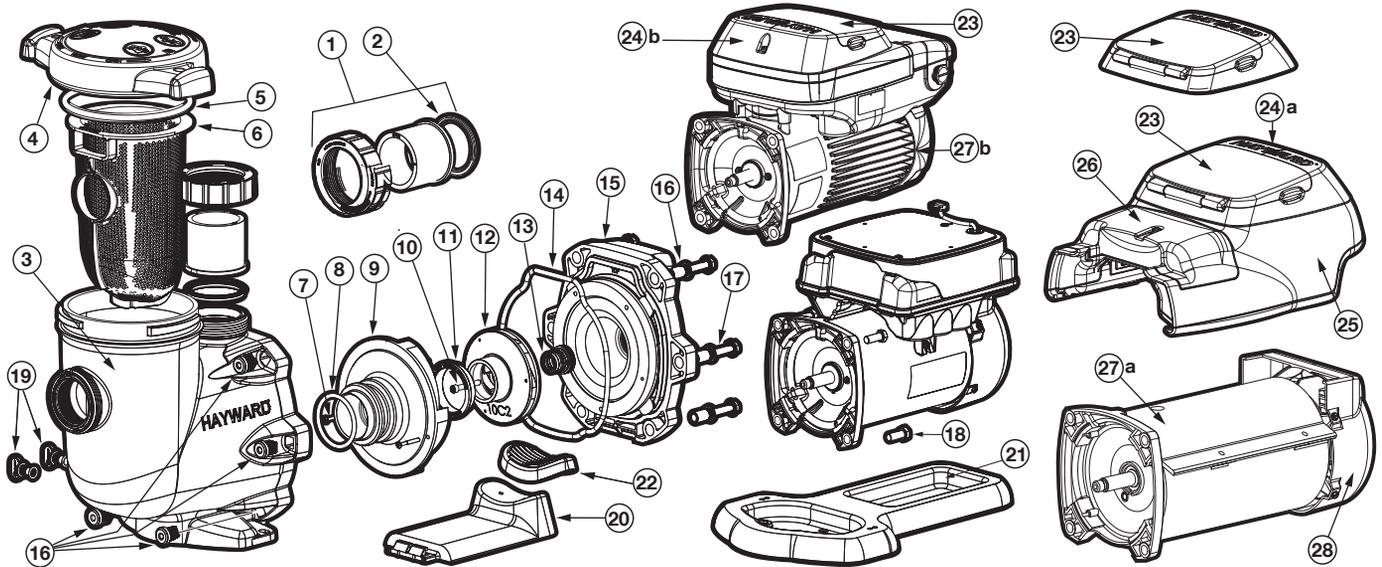


Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket - 2 ea.)	10
2	SPX3200UG	Union Gasket (2 pack)	100
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10
5	SPX3200S	Strainer Cover O-Ring	50
6	SPX3200M	Strainer Basket	2
7	SPX3200Z8	Diffuser Screw (5 pack)	50
8	SPX4000Z1	Diffuser O-Ring	50
9	SPX3200B3	Diffuser	5
10	SPX3200Z1	Impeller Screw	50
11	SPX3021R	Impeller Ring	50
12	SPX3220C	Impeller with Impeller Screw, TriStar VS 950	10
12	SPX3210C	Impeller with Impeller Screw, TriStar VS 900	10
13	SPX4000SAV	Viton® Shaft Seal Assembly	10
14	SPX3200T	Housing O-Ring	50
15	SPX3200E	Seal Plate	5
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit (1 insert & 1 spacer)	50
17	SPX3200Z3	Housing Bolt	50
18	SPX3200Z5PAK4	Motor Bolt Kit (4 pack)	50
19	SPX4000FG	Drain Plug with O-Ring	50
20	SPX3200GA	Bracket, Motor Support	5
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1
21	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1
22a	SPX3400Z1ECM	Motor Assembly, TriStar VS 950 (before January 2019)	1
22b	SPX3206Z1VSPE	Power End Assembly, TriStar VS 950 (January 2019 & newer)	1
22c	SPX3202Z1VSPE	Power End Assembly, TriStar VS 900 (May 2020 & newer)	1
23	SPX3400FAN	Motor Fan Shroud, TriStar VS 950 (before January 2019)	5
24	SPX3400DR	Motor Drive, TriStar VS 950 (Includes Digital Control Interface, before January 2019)	1
25	SPX3400DR4	Motor Drive Display Cover	5
26	SPX3400DR2	Motor Drive Wiring Cover, TriStar VS 950 (before January 2019)	5
27a	no longer available	SPX3400LCD Digital Control Interface Assembly, TriStar VS 950 (before January 2019)	1
27b	SPX3200LCD	Digital Control Interface Assembly (January 2019 & newer)	1
28	HLXDCOVER	Sun Cover Replacement	5
29	HLXDLCD	LCD Display Replacement	5
30	HLXDSPCASE	Case Replacement	1
31	HLX485RELAY	Replacement Omni RS485 Smart Relay	1
32	HLXJBOX	Replacement Jbox	1
33	HLXHIOPCB	OmniHub PCB	1
34	SPX3200Q2	Adapter - Motor Support	100
—	HLXHW5PK	OmniHub Hardware - Not Shown (5 pack)	10
—	HLXWHIP6	Omni 6 ft. Whip - Not Shown	5
—	SPX3400DRKIT	Wall Mount Kit for Digital Control Interface	5
—	SPX3400DRCBL	Wall Mount Display Cable	5
—	SPXHKIT100	H-KIT Quick Pump Repair (Includes items 5, 8, 13, 14 and Jack's Lube)	10
—	GLX-ACT-CONN	Actuator Connector	100
—	HLH485RELAY	Omni RS485 Smart Relay (Includes 6' whip, gang box & hardware)	1
—	HLX485100	RS485 100 ft. Extension	15
—	HLX485200	RS485 200 ft. Extension	5
—	HLXRLYLABL	Replacement Relay Label	10
—	HLHCONTROL	Replacement Omnihub MSP Assembly	1
—	SPX3200DRCC	15' communication cable for automation	5
—	SPX3206WDR	Drive TriStar 2.7 H.P. VS (HL32950VSP, SP32950VSP)	1
—	SPX3202WDR	Drive Tristar 1.85 H.P. VS (HL32900VSP, SP32900VSP)	1

# TriStar® VS

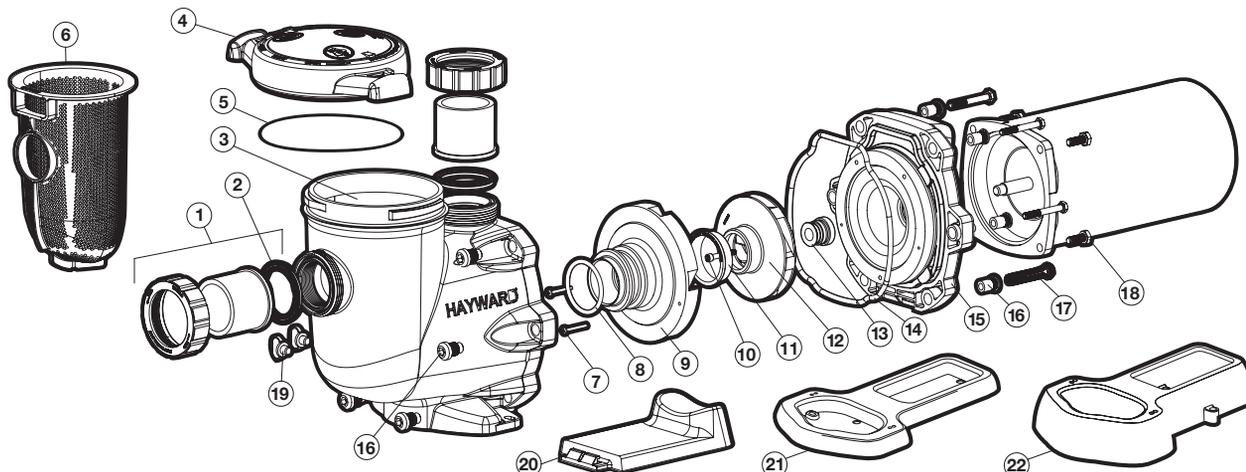
## SP3200VSP PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP3200VSP, (W3)SP3202VSP, SP3200VSPND, SP3202VSPND, (W3)SP3206VSP, SP3206VSPVR



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10
2	SPX3200UG	Union Gasket (T-seal) (2 pack)	100
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10
5	SPX3200S	Strainer Cover O-Ring	50
6	SPX3200M	Strainer Basket	2
7	SPX3200Z8	Diffuser Screws (5 pack)	50
8	SPX4000Z1	Diffuser O-Ring	50
9	SPX3200B3	Diffuser	5
10	SPX3200Z1	Impeller Screw	50
11	SPX3021R	Impeller Ring	50
12	SPX3210C	Impeller with Impeller Screw (SP3200VSP, SP3202VSP, SP3200VSPND, SP3202VSPND, W3SP3202VSP✓)	10
—	SPX3220C	Impeller with Impeller Screw (SP3206VSP, SP3206VSPVR, W3SP3206VSP✓)	10
13	SPX4000SAV	Shaft Seal Assembly	10
14	SPX3200T	Housing O-Ring	50
15	SPX3200E	Seal Plate	5
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit (1 insert & 1 spacer)	50
17	SPX3200Z3	Housing Bolt	50
18	SPX3200Z5PAK4	Motor Bolt Kit (4 pack)	50
19	SPX4000FG	Drain Plug with O-Ring	50
20	SPX3200GA	Bracket, Motor Support	5
21	SPX3200WF	Riser Base Aligns with Inlet Port of Pentair® WhisperFlo® Pump	1
—	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1
22	SPX3200Q2	Adapter-Motor Support	100
23	SPX3400DR4	Motor Drive Display Cover (Cover only)	5
24a	no longer available	SPX3400LCD Digital Control Interface (SP3206VSP and SP3206VSPVR, before January 2019)	1
24b	SPX3200LCD	Digital Control Interface Assembly (1.85 hp [all], 2.7 hp [January 2019 & newer])	1
25	SPX3400DR	Motor Drive – Includes Digital Control Interface (SP3206VSP prior to January 2019)	1
—	no longer available	SPX3400DRVR Motor Drive, SVRS – Includes Digital Control Interface (SP3206VSPVR)	1
26	SPX3400DR2	Motor Drive Wiring Cover (prior to January 2019)	5
27a	SPX3400Z1ECM	Motor Assembly (before January 2019)	1
27b	SPX3206Z1VSPE	Power End Assembly for SP3206VSP/W3SP3206VSP✓ (January 2019 & newer)	1
28	SPX3400FAN	Motor Fan Shroud (before January 2019)	5
—	SPX3400DRKIT	Wall Mount Kit	5
—	SPX3400DRCBL	Wall Mount Display Cable	5
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar® (Includes items 5, 8, 13, 14 and Jack's Lube)	10
—	SPX3202Z1VSPE	Power End Assembly for W3SP3202VSP✓, SP3202VSP(ND), SP3200VSP(ND)	1
—	SPX3200DRCC	Communication Cable for VS Pump	5

Parts for Pump Models: SP3205EE\*, SP3207EE\*, SP3210(2)EE, SP15(2)EE, SP3220(2)EE, SP3250EE, SP323063EE, SP36075EE, SP36120EE



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket - 2 ea.)	10
2	SPX3200UG	Union Gasket (T-seal) (2 pack)	100
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10
5	SPX3200S	Strainer Cover O-Ring	50
6	SPX3200M	Strainer Basket	2
7	SPX3200Z8	Diffuser Screws (5 pack)	50
8	SPX4000Z1	Diffuser O-Ring	50
9	SPX3200B3	Diffuser	5
10	SPX3200Z1	Impeller Screw	50
11	SPX3021R	Impeller Ring	50
12	SPX3205C	Impeller for 1/2 H.P. with Impeller Screw	10
12	SPX3207CM	Impeller for 3/4 H.P. with Impeller Screw	10
12	SPX3210C	Impeller for 1 H.P. with Impeller Screw	10
12	SPX3215C	Impeller for 1 1/2 H.P. with Impeller Screw	10
12	SPX3220C	Impeller for 2 H.P. with Impeller Screw	10
12	SPX3230C	Impeller for 3 H.P. with Impeller Screw	10
12	SPX3230C5	Impeller for 5 H.P. with Impeller Screw	10
13a	SPX4000SAV	Shaft Seal Assembly (Viton)	10
13b	SPX3200SA	Shaft Seal Assembly	
14	SPX3200T	Housing O-Ring	50
15	SPX3200E	Seal Plate	5
16	SPX3200Z211	Housing Insert and Seal Plate Spacer Kit (1 insert & 1 spacer)	50
17	SPX3200Z3	Housing Bolt	50
18	SPX3200Z5PAK4	Motor Bolt Kit (4 pack)	50
19	SPX4000FG	Drain Plug with O-Ring	50
20	SPX3200GA	Bracket, Motor, Support	5
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1
22	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10
—	SPX3200Q2	Motor Support Adapter	

### Power Ends\*/Motor Part No.

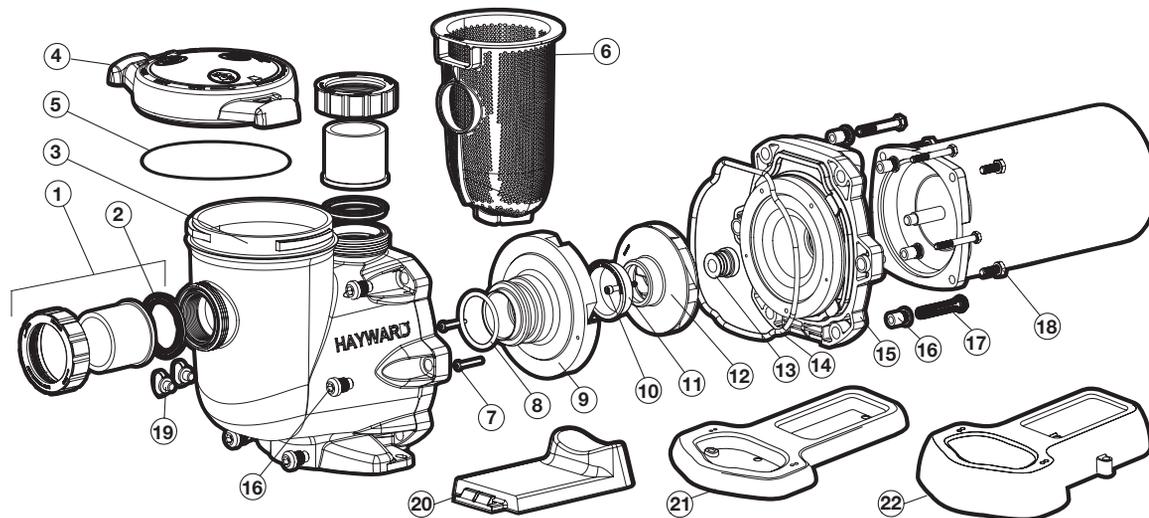
SPX3205Z1PE/SPX3205Z1BER	1/2 H.P. Energy Efficient Full Rate	1
SPX3207Z1PE/SPX3207Z1BER	3/4 H.P. Energy Efficient Full Rate	1
SPX3210Z1PE/SPX3210Z1BER	1 H.P. Energy Efficient Full Rate	1
SPX3215Z1PE/SPX3215Z1BER	1 1/2 H.P. Energy Efficient Full Rate	1
SPX3220Z1PE/SPX3220Z1BER	2 H.P. Energy Efficient Full Rate	1
SPX3230Z1PE/SPX3230Z1BER	3 H.P. Energy Efficient Full Rate	1
SPX3250Z1PE/SPX3240Z1MER	5 H.P. Energy Efficient Full Rate	1
SPX3210Z2PE/SPX3210Z2BER	1 H.P. 2 speed Energy Efficient Full Rate	1
SPX3215Z2PE/SPX3215Z2BER	1 1/2 H.P. 2 speed Energy Efficient Full Rate	1
SPX3220Z2PE/SPX3220Z2BER	2 H.P. 2 speed Energy Efficient Full Rate	1
SPX3220Z1PE3V/SPX3220Z1DRV	2 H.P. 3 phase Energy Efficient Full Rate	1
SPX3230Z1PE3	3 H.P. 3 phase Energy Efficient Full Rate	1
SPX3605Z1BER	Motor - Waterfall 75-120 GPM	1

NOTES: \*Power End includes Motor, Seal Plate, Seal Diffuser (Includes Ref. #7-18 and Motor)

# TriStar® Waterfall

## SP3200X PUMP SERIES (STANDARD EFFICIENT, MAX-RATED) REPLACEMENT PARTS

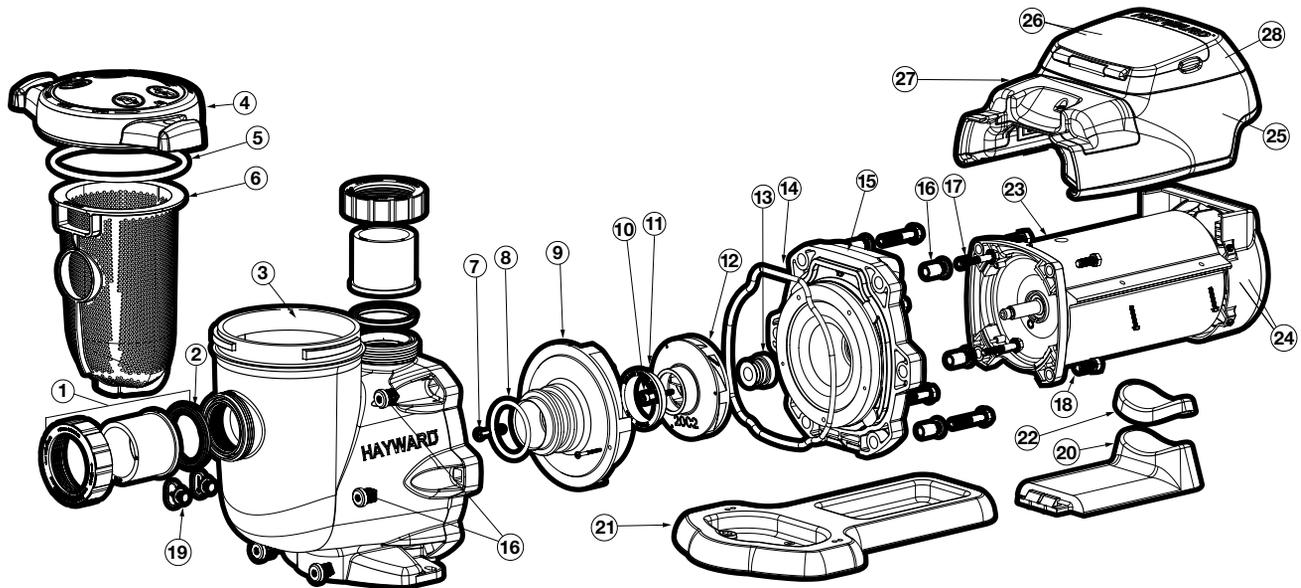
Parts for Pump Models: SP3205X7, (W3)SP3207X10, (W3)SP2010X15(2), (W3)SP3215X20(2), SP3220X25(2), SP3225X30



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX3200UNKIT	Union Connector Kit (Includes Nut, Connector, Gasket)	10
2	SPX3200UG	Union Gasket (T-seal), 50 duro EPDM (2 per pack)	100
3	SPX3200A	Pump Strainer Housing, 2" x 2" with Drain Plugs, threaded style	1
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10
5	SPX3200S	Strainer Cover O-Ring	50
6	SPX3200M	Strainer Basket	2
7	SPX3200Z8	Diffuser Screws (5 pack)	50
8	SPX4000Z1	Diffuser O-Ring	50
9	SPX3200B3	Diffuser	5
10	SPX3200Z1	Impeller Screw	50
11	SPX3021R	Impeller Ring	50
12	SPX3205C	Impeller for 3/4 H.P. with Impeller Screw	10
12	SPX3207CM	Impeller for 1 H.P. with Impeller Screw	10
12	SPX3210C	Impeller for 1 1/2 H.P. with Impeller Screw	10
12	SPX3215C	Impeller for 2 H.P. with Impeller Screw	10
12	SPX3220CM	Impeller for 2 1/2 H.P. with Impeller Screw	10
12	SPX3230C	Impeller for 3 H.P. with Impeller Screw	10
13	SPX4000SAV	Shaft Seal Assembly (Viton)	10
14	SPX3200T	Housing O-Ring	50
15	SPX3200E	Seal Plate	5
16	SPX3200Z211	Housing Insert and Seal Plate Spacer Kit (1 insert & 1 spacer)	50
17	SPX3200Z3	Housing Bolt	50
18	SPX3200Z5PAK4	Motor Bolt Kit (4 pack)	50
19	SPX4000FG	Drain Plug with O-Ring	50
20	SPX3200GA	Bracket, Motor, Support	5
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1
22	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1
—	SPXHKIT100	H-KIT Quick Pump Repair for TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10
—	SPX3200Q2	Motor Support Adapter	

**NOTES:** \*Power End includes Motor, Seal Plate, Seal Diffuser (Includes Ref. #7-18 and Motor)

### Parts for Pump Models: SP3400VSP, SP3400VSPVR

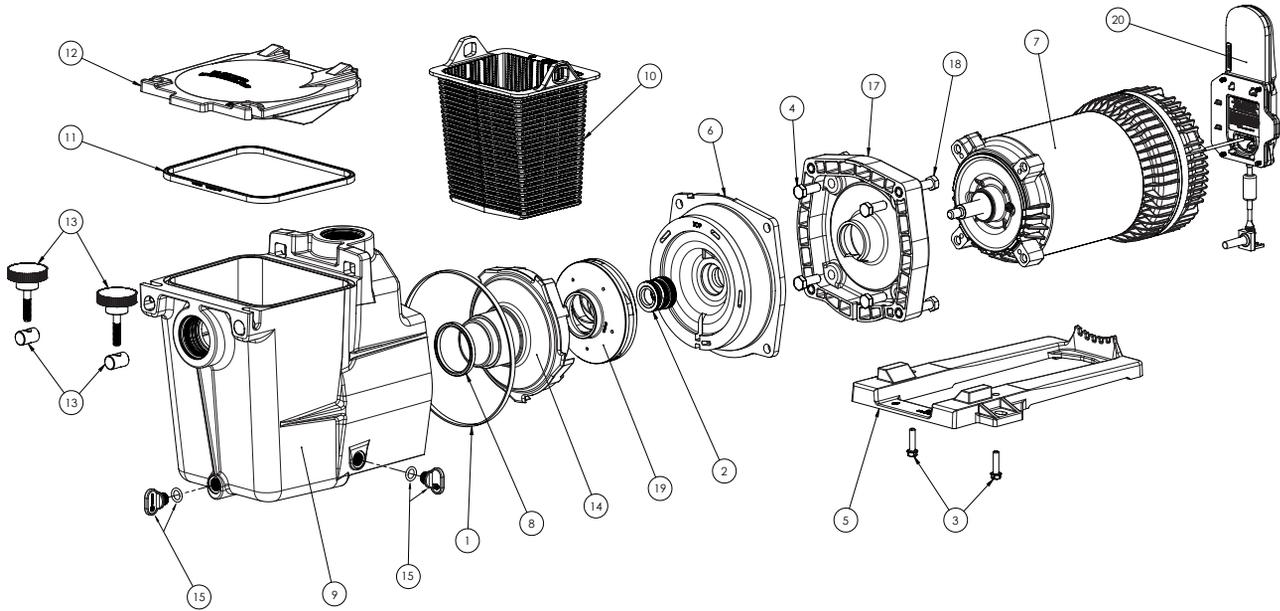


Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket – 2 ea.)	10
2	SPX3200UG	Union Gasket (2 pack)	100
3	SPX3200A	Pump Strainer Housing, 2" x 2 1/2" with Drain Plugs, Threaded Style	1
4	SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-Ring)	10
5	SPX3200S	Strainer Cover O-Ring	50
6	SPX3200M	Strainer Basket	2
7	SPX3200Z8	Diffuser Screw (5 pack)	50
8	SPX4000Z1	Diffuser O-Ring	50
9	SPX3200B3	Diffuser	5
10	SPX3200Z1	Impeller Screw	50
11	SPX3021R	Impeller Ring	50
12	SPX3220C	Impeller with Impeller Screw	10
13	SPX4000SAV	Shaft Seal Assembly (Viton)	10
14	SPX3200T	Housing O-Ring	50
15	SPX3200E	Seal Plate	5
16	SPX3200Z211	Housing Insert/Seal Plate Spacer Kit (1 insert & 1 spacer)	50
17	SPX3200Z3	Housing Bolt	50
18	SPX3200Z5PAK4	Motor Bolt Kit (4 pack)	50
19	SPX4000FG	Drain Plug with O-Ring	50
20	SPX3200GA	Bracket, Motor Support	5
21	SPX3200WF	Riser Base Aligns with Pentair® WhisperFlo® Ports	1
21	SPX3200SR	Riser Base Aligns with Sta-Rite® Max-E-Pro™, Max-E-Glas®, Dura-Glas® and Dura-Glas II Ports	1
22	SPX3200Q	Adapter-Motor Support	1
23	SPX3400Z1ECM	Motor Assembly	1
24	SPX3400FAN	Motor Fan Shroud	5
25	SPX3400DR	Motor Drive, SVRS (No longer available)	1
25	SPX3400DRVR	Motor Drive, SVRS (Includes Digital Control Interface)	1
26	SPX3400DR4	Motor Drive Display Cover	5
27	SPX3400DR2	Motor Drive Wiring Cover	5
28	SPX3400LCD	Digital Control Interface Assembly (No longer available)	1
—	SPX3400DRKIT	Wall Mount Kit for Digital Control Interface	5
—	SPX3400DRCBL	Wall Mount Display Cable	5
—	SPXHKIT100	H-KIT Quick Pump Repair for EcoStar and TriStar (Includes items 5, 8, 13, 14 and Jack's Lube)	10
—	SPX3200DRCC	Communication Cable for VS Pump (15')	5

# Super Pump VS 600 Series with OmniX

## PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: VSP26615, VSP26620

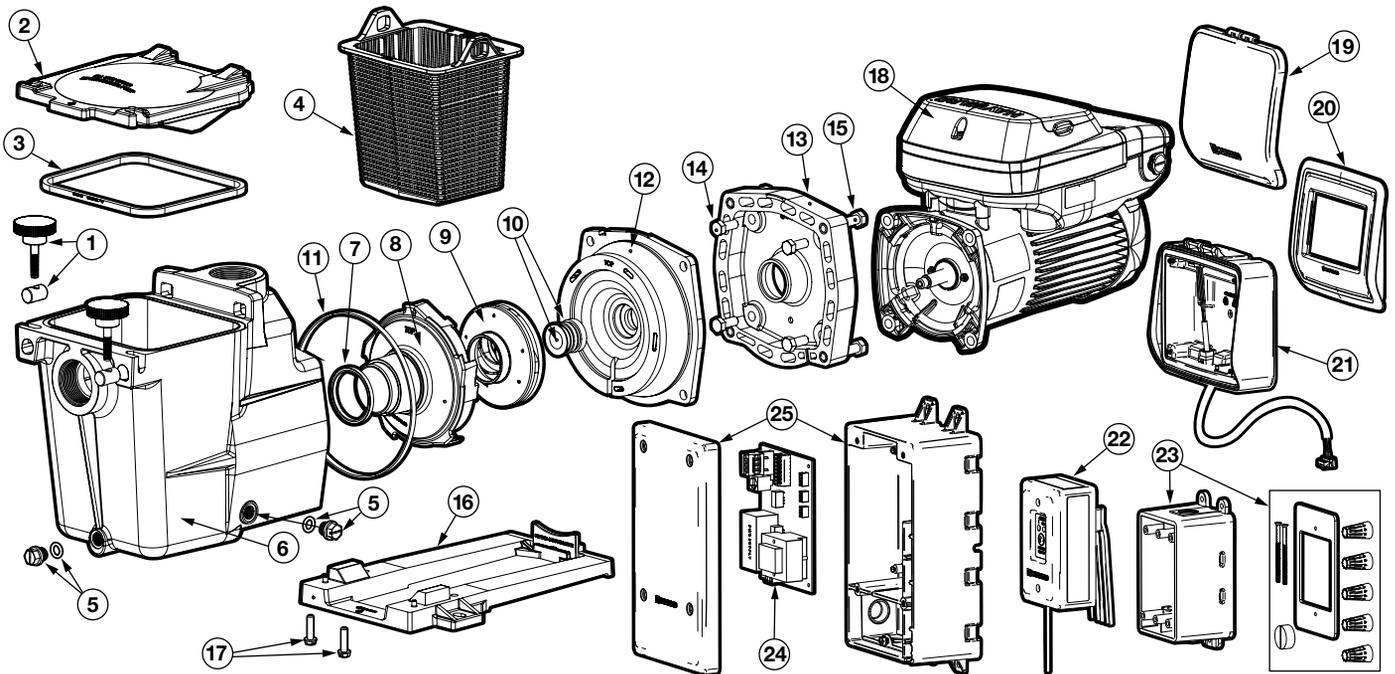


Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX1600T	Housing Gasket	50
2A	SPX1600Z2	Shaft Seal Assembly	50
2B	SPX1600Z2VIT	Shaft Seal Assembly (Viton)	50
3	SPX1600Z52	Mounting Foot Screws (Set of 2)	1
4	SPX3200Z5PAK4	Motor Cap Screws (Set of 4)	50
5	SPX2600G1	Mounting Foot, VSP (Includes Screws)	1
6	SPX2600E5	Seal Plate	10
7A	VSX26615PE	1.65 HP Power End includes #2, #4, #6-#8, #14, #17, #19, #20	1
7B	VSX26620PE	2.25 HP Power End includes #2, #4, #6-#8, #14, #17, #19, #20	1
8	SPX1600R	Diffuser Gasket	50
9	SPX1620AA	Pump Strainer Housing With Gasket	1
10	SPX1600M	Basket	10
11	SPX1600S	Strainer Cover Gasket	50
12	SPX1600D	Strainer Cover	10
13	SPX1600PN	Swivel Nut & Hand Knob	50
14	SPX2600B	Diffuser	10
15	SPX1700FG	Drain Plug with Gasket	50
17	SPX1600F5	Motor Mounting Plate	10
18	SPX1600Z4	Housing Cap Screw	50
19A	SPX2610C	1.65 THP Impeller	20
19B	SPX2615C	2.25 THP Impeller	20
20	VSPOMNIX	OmniX Module	5

# Super Pump® VS 700 Omni®

## REPLACEMENT PARTS

### Parts for Pump Models: HL2670020VSP



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX1600PN	Swivel Nut and Hand Knob (1 of each)	100
2	SPX1600D	Strainer Cover	10
3	SPX1600S	Strainer Cover Gasket	50
4	SPX1600M	Basket	20
5	SPX4000FG	Drain Plug with Gasket (1 of each)	50
6	SPX1620AA	Pump Housing with 2" Ports (Includes 2-drain plugs/gaskets and 1-housing gasket)	1
7	SPX1600R	Diffuser Gasket	25
8	SPX2600B	Diffuser	10
9	SPX2610C	Impeller	20
10	SPX1600Z2VIT	Viton® Shaft Seal Assembly	10
11	SPX1600T	Housing Gasket	50
12	SPX2600E5	Seal Plate	10
13	SPX1600F5	Motor Mounting Plate	10
14	SPX0125Z44	Motor Cap Screws (set of 4)	20
15	SPX1600Z4	Housing Cap Screw (1 screw)	25
16	SPX2600G1	Mounting Base (includes screws)	10
17	SPX1600Z52	Screws for Mounting Base (set of 2)	1
18	SPX3200LCD	Digital Control Interface Assembly	1
19	HLXDCOVER	Sun Cover Replacement	5
20	HLXDLCD	LCD Disp Replacement	5
21	HLXDSPCASE	Case Replacement for MSP	1
22	HLX485RELAY	Replacement RS485 Relay Only	1
23	HLXJBOX	Replacement Jbox	1
24	HLXHIOPCB	OmniHub PCB Board	1
25	HLXHUBCASE	Replacement Case for Wiring Hub	1
—	HLX485100	RS485 100 ft. Extension Wire for MSP	15
—	HLX485200	RS485 200 ft. Extension Wire for MSP	5
—	HLXHW5PK	OmniHub Hardware – Not Shown (5 pack)	10
—	HLXWHIP6	Omni 6 ft. Whip – Not Shown	5
—	HLH485RELAY	Omni Start Relay Kit with Gang Box & Wiring Whip	1
—	SPX3400DR4	Motor Drive Display Cover (Cover only)	5
—	SPX3400DRKIT	Wall Mount Kit	5
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10
—	HLXRLYLABL	Replacement Relay Label	10
—	SPX3200DRCC	Shielded Communication Cable, 15 ft., for VS Pump	5
—	SPX2603WDR	Drive MaxFlo/Super 1.65 H.P. VS	1

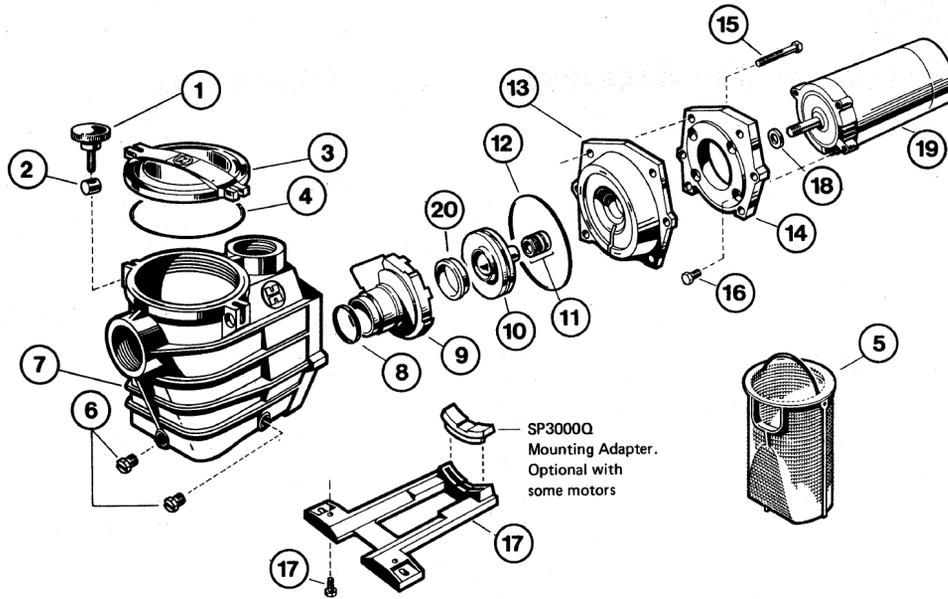
### POWER END

—	SPX2603Z1VSPE	Power End Assembly for all models (Includes #7-14, motor, drive and display)	1
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# Super II™

## SP3000 PUMP SERIES (ENERGY EFFICIENT, FULL-RATED) REPLACEMENT PARTS

Parts for Pump Models: SP3005X751, SP3007X1051, SP3010X1551, SP3015X2051, SP3020X2551



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	SPX1600P	Hand Knob	50	2
2	SPX1600N	Swivel Nut	1000	2
3	SPX3000D	Strainer Cover	10	1
4	SPX3000S	Strainer Cover O-Ring	500	1
5	SPX3000M	Basket	10	1
6	SPX1700FG	Drain Plug w/Gasket	50	2
8	SPX1600R	Diffuser Gasket	500	1
11	SPX1600Z2	Seal Assembly	50	1
12	SPX3000T	Housing Gasket	20	1
13	SPX3020E	Seal Plate	5	1
14	SPX3000F	Motor Mounting Plate	1	1
15	SPX1600Z4	Housing Cap Screw	500	6
16	SPX0125Z44	Motor Cap Screw (Set of 4)	50	1
17	SPX3000GA	Mounting Bracket w/ Adapter Screws	10	1
18	SPX0125F	Slinger	50	1

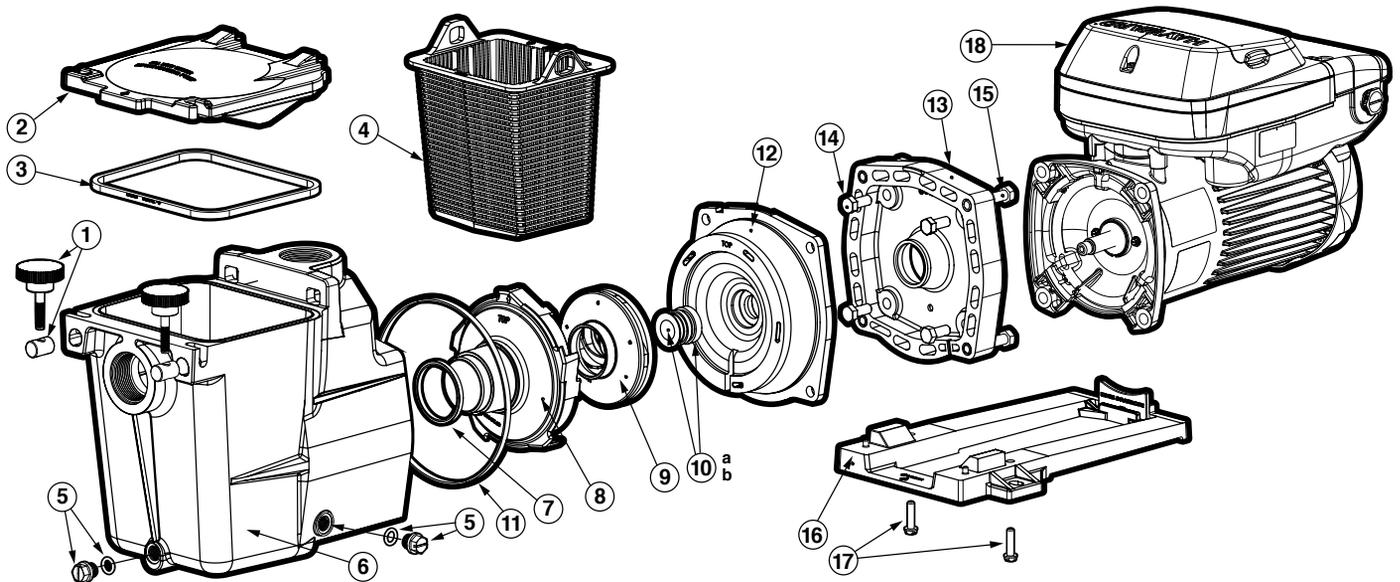
### Parts listed below must be ordered for specific model and H.P.:

7	SPX3000AA	Pump/Strainer Housing (SP3005X751 & SP3007X1051)	1	1
7	SPX3020AA	Pump/Strainer Housing (SP3010X1551, SP3015X2051 & SP3020X2551)	1	1
9	SPX3000BN	Diffuser (SP3005X751 & SP3007X1051)	10	1
9	SPX3021B	Diffuser (SP3010X1551, SP3015X2051 & SP3020X2551)	10	1
10	SPX3007C	Impeller, for ¾ H.P.	25	1
10	SPX3010C	Impeller, for 1 H.P.	20	1
10	SPX3016C	Impeller, for 1-½ H.P.	20	1
10	SPX3021C	Impeller, for 2-½ H.P.	10	1
10	SPX3026C	Impeller, for 3 H.P.	20	1
19	SPX0130Z1CM	Motor — 50 Cycle Single Phase, for ¾ H.P.	1	1
19	SPX0135Z1CM	Motor — 50 Cycle Single Phase, for 1 H.P.	1	1
19	SPX0140Z1CM	Motor — 50 Cycle Single Phase, for 1-½ H.P.	1	1
19	SPX0150Z1CM	Motor — 50 Cycle Single Phase, for 2 H.P.	1	1
19	SPX0155Z1CM	Motor — 50 Cycle Single Phase, for 2-½ H.P.	1	1
20	SPX3005R	Impeller Ring (SP3005X751 & SP3007X1051)	200	1
20	SPX3021R	Impeller Ring (SP3010X1551, SP3015X2051 & SP3020X2551)	100	1

# Super Pump® VS

## REPLACEMENT PARTS

Parts for Pump Models: SP2670010VSP, SP2670020VSP<sup>✓</sup>, (W3)SP2603VSP, SP26115VSP



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX1600PN	Swivel Nut and Hand Knob	100
2	SPX1600D	Strainer Cover	10
3	SPX1600S	Strainer Cover Gasket	50
4	SPX1600M	Basket	20
5	SPX1700FG	Drain Plug with Gasket	50
6	SPX1600AA	Pump/Strainer Housing with Gasket	1
7	SPX1600R	Diffuser Gasket	25
8	SPX2600B	Diffuser	10
9	SPX2607C	Impeller for SP2603VSP	10
—	SPX2607C	Impeller for SP26115VSP	10
10a	SPX1600Z2	Shaft Seal Assembly (SP2603VSP, SP26115VSP)	10
10b	SPX1600Z2VIT	Viton® Shaft Seal Assembly (SP2670010VSP, SP2670020VSP <sup>✓</sup> )	10
11	SPX1600T	Housing Gasket	50
12	SPX2600E5	Seal Plate	10
13	SPX1600F5	Motor Mounting Plate	10
14	SPX0125Z44	Motor Cap Screws (set of 4)	20
15	SPX1600Z4	Housing Cap Screw	25
16	SPX2600G1	Mounting Foot (Includes Screws)	10
17	SPX1600Z52	Mounting Foot Screws (set of 2)	1
18	SPX3400DR4	Motor Drive Display Cover (Cover only)	5
—	SPX3200LCD	Digital Control Interface Assembly	1
—	SPX3400DRKIT	Wall Mount Kit	5
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10
—	SPX3200DRCC	Communication Cable for VS Pump	5
—	SPX2603WDR	Drive MaxFlo/Super 1.65 H.P. VS	1

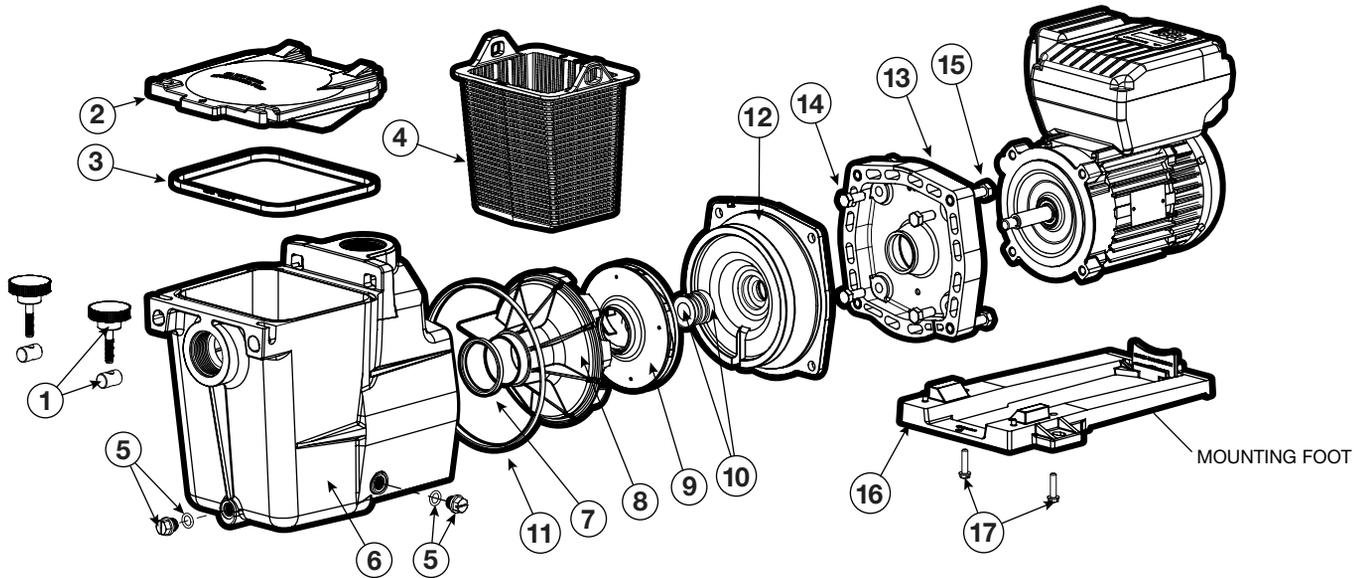
### POWER END

—	SPX26115Z1VSPE	Power End Assembly for SP26115VSP (Includes #7-14, motor and drive)	1
—	SPX2603Z1VSPE	Power End Assembly for SP2603VSP (Includes #7-14, motor and drive)	1

# Super Pump® VS

## SP2600VSP PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP2600VSP, SP2602VSP

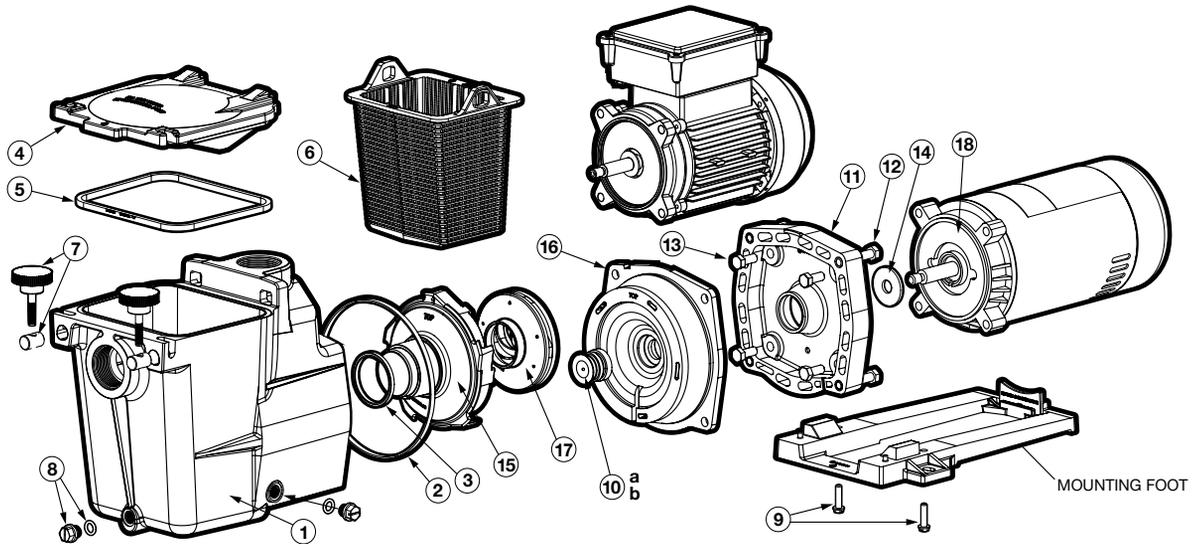


Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX1600PN	Hand Knob	100
2	SPX1600D	Strainer Cover	10
3	SPX1600S	Strainer Cover Gasket	50
4	SPX1600M	Basket	20
5	SPX1700FG	Drain Plug with Gasket	50
6	SPX1620AA	Pump/Strainer Housing with Gasket	1
7	SPX1600R	Diffuser Gasket	25
8	SPX1616B	Diffuser	10
9	SPX1621C	Impeller	20
10	SPX1600Z2	Shaft Seal Assembly	10
11	SPX1600T	Housing Gasket	50
12	SPX1611E5	Seal Plate	5
13	SPX1600F5	Motor Mounting Plate	10
14	SPX0125Z44	Motor Cap Screws (set of 4)	20
15	SPX1600Z4	Housing Cap Screw	25
16	SPX2600G1	Mounting Foot (Includes Screws)	10
17	SPX1600Z52	Mounting Foot Cap Screws (set of 2)	1
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 & Jack's Lube)	10

### POWER END

—	SPX2603Z1VSPE	Power End Assembly (Includes parts #8-15, Motor and Drive)	1
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Parts for Pump Models: SP2670007X10<sup>✓</sup>, SP2670010X15, (W3)SP2600X5, (W3)SP2605X7<sup>✓</sup>, (W3)SP2607X10(2S), SP2607EE, (W3) SP2610X15(2S), SP2615X20(2S), SP2621X25



Ref. No.	Part No.	Description	Ctn.	Qty.
1	SPX1620AA	Pump Housing/Strainer, 2" x 2", with Drain Plugs	1	
	SPX1600T	Housing Gasket	50	
3	SPX1600R	Diffuser Gasket	25	
—	SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10	
4	SPX1600D	Strainer Cover	10	
4	SPX1600DB	Strainer Cover for Biguanide Sanitizers NOT Pressure Testable	10	
5	SPX1600S	Strainer Cover Gasket	50	
6	SPX1600M	Basket	20	
7	SPX1600PN	Hand Knob Kit (Includes Swivel Nut and Hand Knob)	100	
—	SPX1700FG	1/4" Drain Plug with Gasket (1992–2021)	50	
8	SPX4000FG	1/4" Wingnut Drain Plug with Gasket (2021 and later)	50	
9	SPX2600G1	Mounting Foot with Adapter and Screws	10	
—	SPX1600Z52	Mounting Foot Cap Screw (set of 2 – 1995 and prior, 2 sets required)	1	
10a	SPX1600Z2	Shaft Seal Assembly (SP2605X7 <sup>✓</sup> , SP2607X10(2S), SP2607EE, SP2610X15(2S), SP2615X20(2S), SP2621X25)	10	
10b	SPX1600Z2VIT	Viton® Shaft Seal Assembly (SP2670007X10 <sup>✓</sup> , SP2670010X15)	10	
11	SPX1600F5	Motor Mounting Plate	10	
12	SPX1600Z4	Housing Cap Screw	25	
13	SPX0125Z44	Motor Cap Screw (set of 4)	20	
14	SPX0125F	Slinger	50	
15	SPX2600B	Diffuser, for 1/2 thru 2 H.P.	10	
15	SPX1616B	Diffuser, for 2 1/2 H.P. only	10	
16	SPX2600E5	Seal Plate, 1/2 thru 2 H.P.	10	
16	SPX1611E5	Seal Plate, for 2 1/2 H.P. only	5	
—	SPXHKIT3	H-KIT Quick Pump Repair for Super Pump (Includes SPX1600T, SPX1600S, SPX1600R, SPX1600Z2 and Jack's Lube)	10	

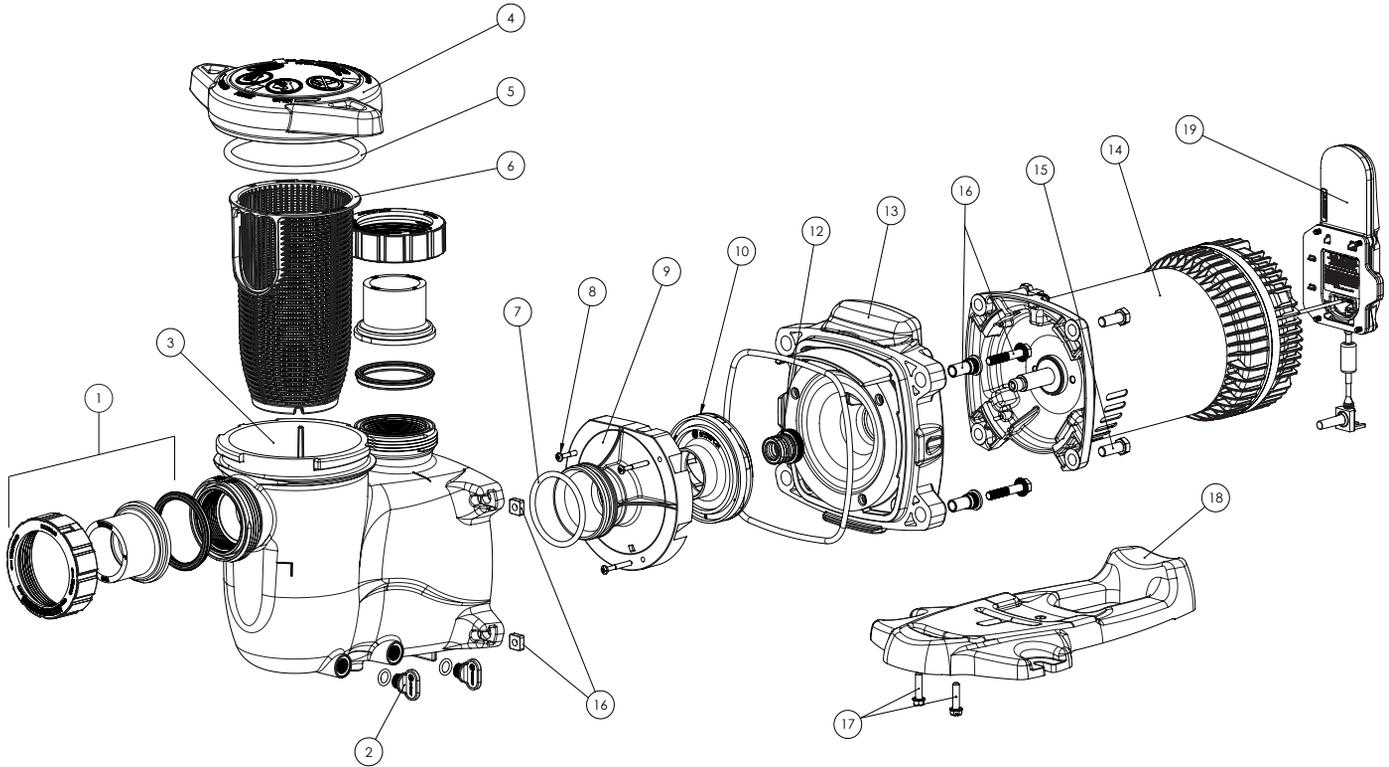
**Parts listed below must be ordered for specific model and H.P.:**

17	SPX2600C	Impeller, for 1/2 H.P.	20	
17	SPX2605C	Impeller, for 3/4 H.P.	20	
17	SPX2607C	Impeller, for 1 H.P.	10	
17	SPX2610C	Impeller, for 1 1/2 H.P.	20	
17	SPX2615C	Impeller, for 2 H.P.	25	
17	SPX1621C	Impeller, for 2 1/2 H.P.	20	
18	SPX1600Z1M	Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1	
	SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	
	SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	
	SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	
	SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1	
	SPX1620Z1M	Motor, 2 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 230V)	1	
	SPX1607Z2MS	Motor, 1 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	
	SPX1610Z2MS	Motor, 1 1/2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	
	SPX1615Z2MS	Motor, 2 H.P., Threaded Shaft, 2-Speed (Single Phase, 60 Cycle 230V)	1	
	SPX2607Z1MTG	Motor, 1 H.P., Threaded Shaft, TEFC (SP2670007X10 <sup>✓</sup> after March 2019)	1	
	SPX2610Z1MTG	Motor, 1 1/2 H.P., Threaded Shaft, TEFC (SP2670010X15 after March 2019)	1	

# MaxFlo® VS 400 Series with OmniX

## PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: VSP23415, VSP23420

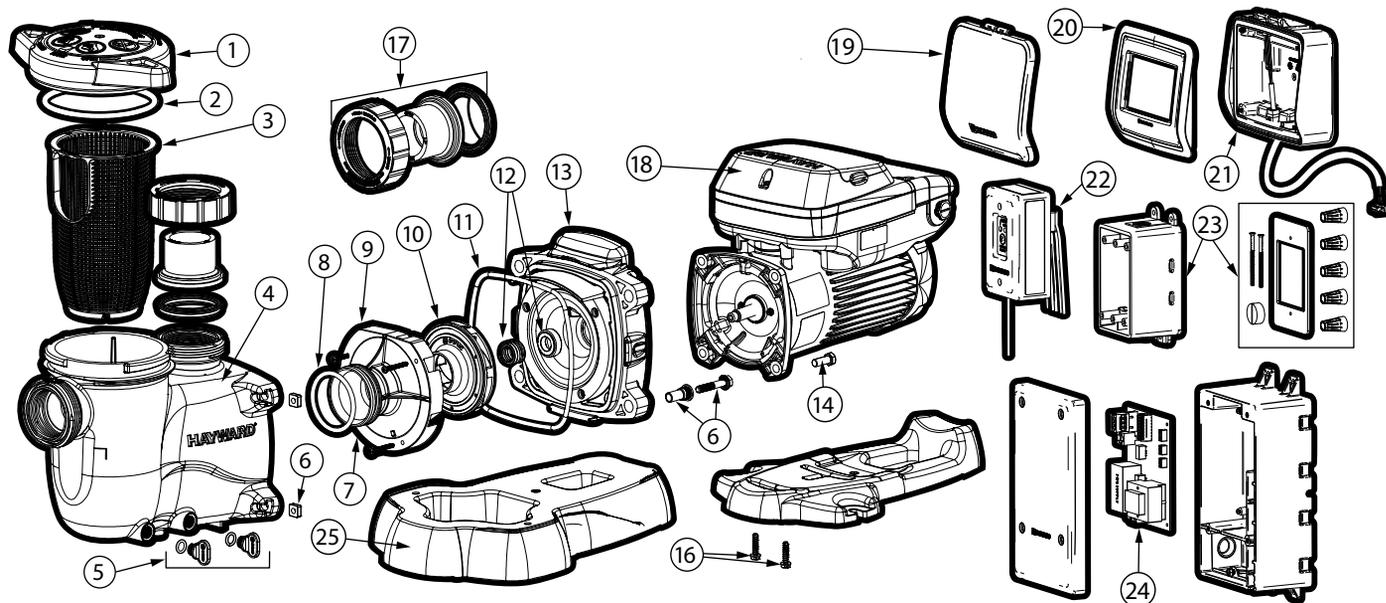


Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors & Gaskets)	10
2	SPX4000FG	Drain Plug with O-Ring	50
3	SPX2300AA	Pump Strainer Housing with Drain Plugs	1
4	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring & O-Ring)	10
5	SPX2300Z4	Strainer Cover O-Ring	50
6	SPX2300M	Strainer Basket	5
7	SX220Z2	Diffuser O-Ring	10
8	SPX3200Z8	Diffuser Screws	50
9	SPX2300B	Diffuser	5
10A	SPX2710CM	1.65 THP Impeller	10
10B	SPX2715CM	2.25 THP Impeller	10
11	GMX600F	Housing O-Ring	100
12A	SPX2700SA	Shaft Seal Assembly	10
12B	SPX2700SAV	Shaft Seal Assembly (Viton)	10
13	SPX2300E	Seal Plate	5
14A	VSX23415PE	1.65 HP Power End includes #7-#15, #19	1
14B	VSX23420PE	2.25 HP Power End includes #7-#15, #19	1
15	SPX3200Z5PAK4	Motor Bolt (package of 4)	50
16	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers & Square Nuts)	10
17	SPX1600Z52	Motor Support Base Mount Screws	1
19	VSPOMNIX	OmniX Module	5

# MaxFlo® VS 500 Omni®

VARIABLE-SPEED PUMP SERIES

## Parts for Pump Models: HL2350020VSP



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10
2	SPX2300Z4	Strainer Cover O-Ring	50
3	SPX2300M	Strainer Basket	5
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1
5	SPX4000FG	Drain Plug with O-Ring	50
6	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers, Square Nuts)	10
7	SPX3200Z8	Diffuser Screws (5 pack)	50
8	SX220Z2	Diffuser O-Ring	10
9	SPX2300B	Diffuser	5
10	SPX2710CM	Impeller	10
11	GMX600F	Housing O-Ring	100
12	SPX2700SAV	Viton® Shaft Seal Assembly	10
13	SPX2300E	Seal Plate	5
14	SPX3200Z5PAK4	Motor Bolt (4 pack)	50
16	SPX1600Z52	Motor Support Base Mount Screws	1
17	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10
18	SPX3200LCD	Digital Control Interface Assembly	1
19	HLXDCOVER	Sun Cover Replacement	5
20	HLXDLCD	LCD Disp Replacement	5
21	HLXDSPCASE	Case Replacement	1
22	HLX485RELAY	Replacement RS485 Relay	1
23	HLXJBOX	Replacement Jbox	1
24	HLXHIOPCB	OmniHub PCB	1
—	SPX3400DR4	Motor Drive Display Cover (Cover only)	5
—	SPX3400DRKIT	Wall Mount Kit	5
—	HLH485RELAY	Omni RS485 Smart Relay	1
—	HLX485100	RS485 100 ft. Extension	15
—	HLX485200	RS485 200 ft. Extension	5
—	HLXHW5PK	OmniHub Hardware – Not Shown (5 pack)	10
—	HLXWHIP6	Omni 6 ft. Whip – Not Shown	5
—	HLXRLYLABL	Replacement Relay Label	10
—	SPX2603WDR	Drive MaxFlo/Super 1.65 H.P. VS	1

### OPTIONAL

25	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1
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### POWER END

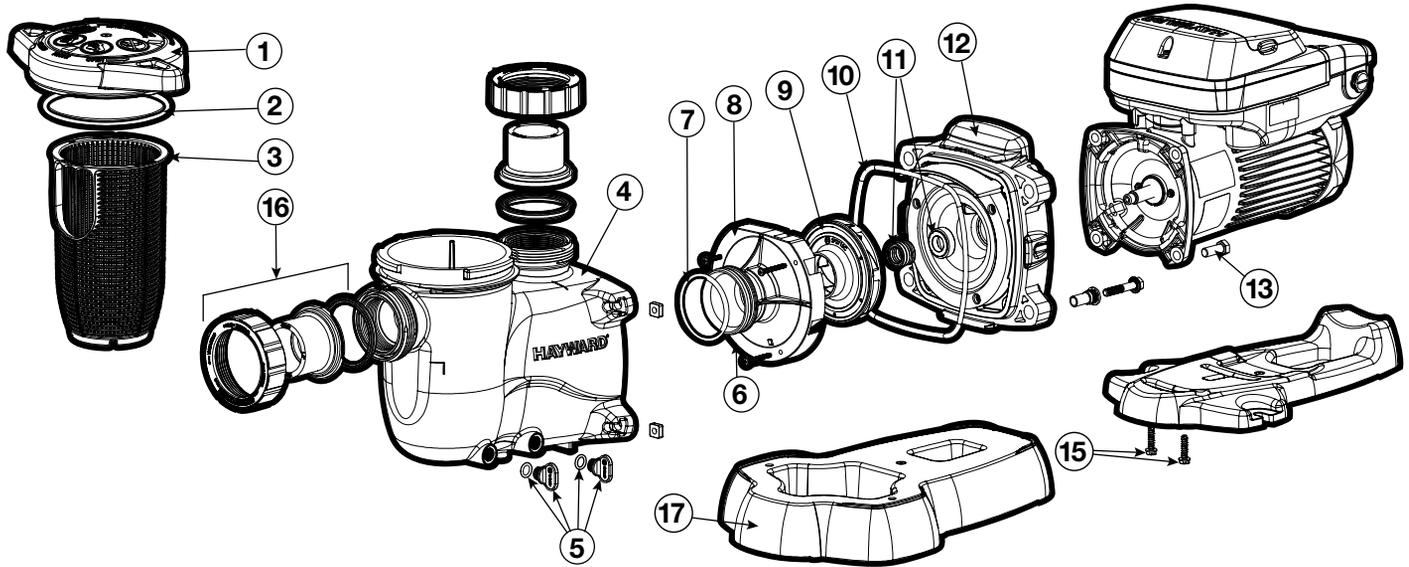
—	SPX2303Z1VSPE	Power End Assembly (Includes parts #7-14, Motor and Drive)	1
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# MaxFlo® VS 500

VARIABLE-SPEED PUMP

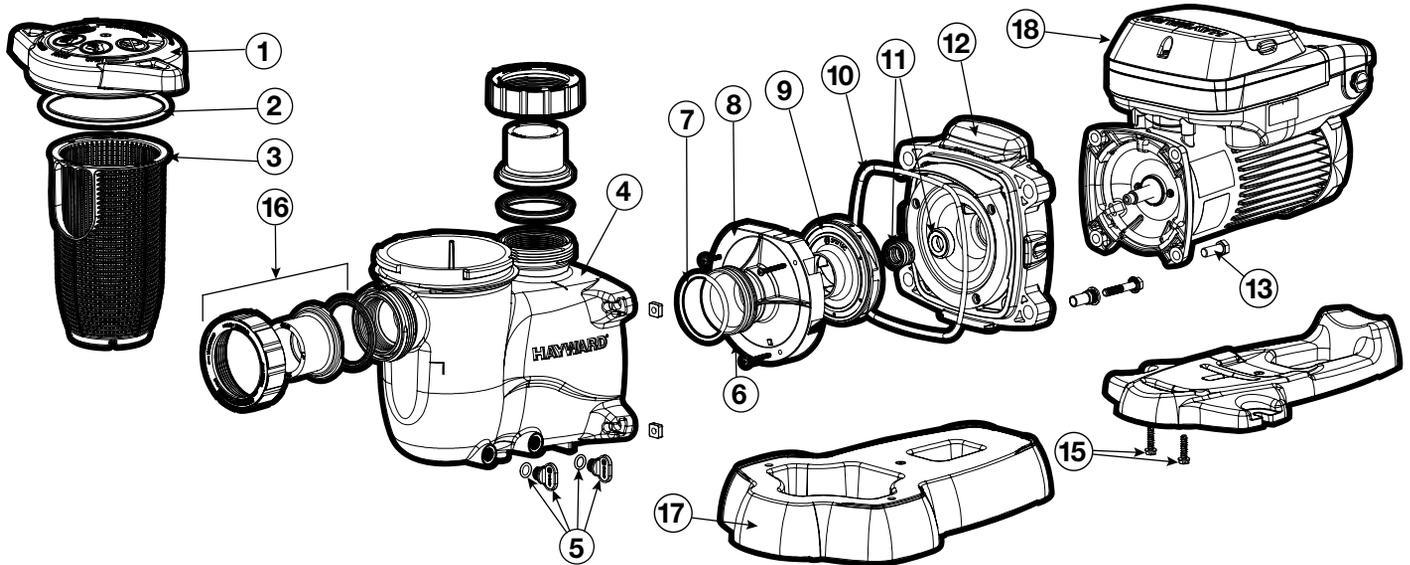
Pumps

Parts for Pump Model: SP23520VSP✓



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10
2	SPX2300Z4	Strainer Cover O-Ring	50
3	SPX2300M	Strainer Basket	5
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1
5	SPX4000FG	Drain Plug with O-Ring	50
6	SPX2300Z3PAK3	Diffuser Screws (3 Pack)	50
7	SX220Z2	Diffuser O-Ring	10
8	SPX2300B	Diffuser	5
9	SPX2300CVS	Impeller	10
10	GMX600F	Housing O-Ring	100
11	SPX2700SA	Shaft Seal Assembly	10
12	SPX2300E	Seal Plate	5
13	SPX3200Z5PAK4	Motor Bolt (4 Pack)	50
16	SPX1600Z52	Motor Support Base Mount Screws	1
16	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10
—	SPX3200LCD	Digital Control Interface Assembly	1
—	SPX3400DRKIT	Wall Mount Kit	5
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10
—	SPX3200DRCC	Communication Cable for VS Pump	5
—	SPX2603WDR	Drive MaxFlo/Super 1.65 H.P. VS	1
<b>OPTIONAL</b>			
17	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1
<b>POWER END</b>			
—	SPX2303Z1VSPE	Power End Assembly (Includes parts #7-14, Motor and Drive)	1

Parts for Pump Models: SP2300VSP, SP2302VSP, SP2302VSPND

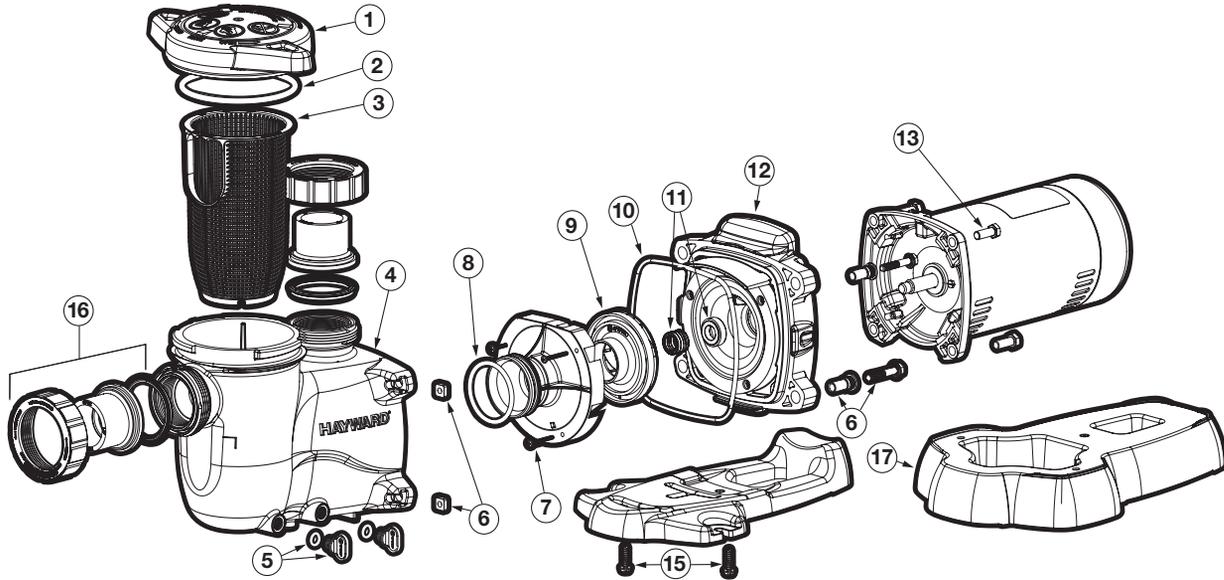


Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX2300DLS	Strainer Cover Kit (Includes Strainer Cover, Lock-Ring, O-Ring)	10
2	SPX2300Z4	Strainer Cover O-Ring	50
3	SPX2300M	Strainer Basket	5
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1
5	SPX4000FG	Drain Plug with O-Ring	50
6	SPX3200Z8	Diffuser Screws (5 Pack)	50
7	SX220Z2	Diffuser O-Ring	10
8	SPX2300B	Diffuser	5
9	SPX2300CVS	Impeller	10
10	GMX600F	Housing O-Ring	100
11	SPX2700SA	Shaft Seal Assembly	10
12	SPX2300E	Seal Plate	5
13	SPX3200Z5PAK4	Motor Bolt (4 Pack)	50
15	SPX1600Z52	Motor Support Base Mount Screws	1
16	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10
17	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1
18	SPX3200LCD	Digital Control Interface Assembly	1
—	SPX3400DRKIT	Wall Mount Kit	5
—	SPXHKIT3	Quick Fix Kit (Includes #3, 7, 10, 11 and Jack's Lube)	10
—	SPX3200DRCC	Communication Cable for VS Pump	5
<b>POWER END</b>			
—	SPX2303Z1VSPE	Power End Assembly (Includes parts #7-14, Motor and Drive)	1

# MaxFlo® XL

## SP2300X PUMP SERIES (MAX-RATED) REPLACEMENT PARTS

Parts for Pump Models: SP2305X7(EE)(SP), (W3)SP2307X10(2), (W3)SP2310X15(2), (W3)SP2315X20(2)



Ref. No.	Part No.	Description	Ctn. Qty.
1	SPX2300DLSB	Strainer Cover Kit for Biguanide Sanitizers	10
2	SPX2300Z4	Strainer Cover O-Ring	50
3	SPX2300M	Strainer Basket	5
4	SPX2300AA	Pump Strainer Housing with Drain Plugs	1
5	SPX4000FG	Drain Plug with O-Ring	50
6	SPX2700ZPAK	Hardware Pack (Includes 4 Housing Bolts, Seal-Plate Spacers and Square Nuts)	10
7	SPX3200Z8	Diffuser Screws (pack of 5)	50
8	SX220Z2	Diffuser O-Ring	10
9	SPX2700C	Impeller for 3/4 H.P. Max-Rate Pump	10
	SPX2700CSP	Impeller for Pump Model SP2305X7EESP	1
	SPX2707CM	Impeller for 1 H.P. Max-Rate Pump	10
	SPX2710CM	Impeller for 1 1/2 H.P. Max-Rate Pump	10
	SPX2715CM	Impeller for 2 H.P. Max-Rate Pump	10
10	GMX600F	Housing O-Ring	100
11	SPX2700SA	Shaft Seal Assembly	10
12	SPX2300E	Seal Plate	5
13	SPX3200Z5PAK4	Motor Bolt (pack of 4)	50
15	SPX1600Z52	Motor Support Base Mount Screws	1
16	SPX2700UNKIT	Union Connector Kit (Includes 2 Nuts, Connectors, Gaskets)	10

### OPTIONAL

17	SPX2300GR	Optional Riser Base Aligns with Sta-Rite® Dyna-Pro®	1
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### MOTORS

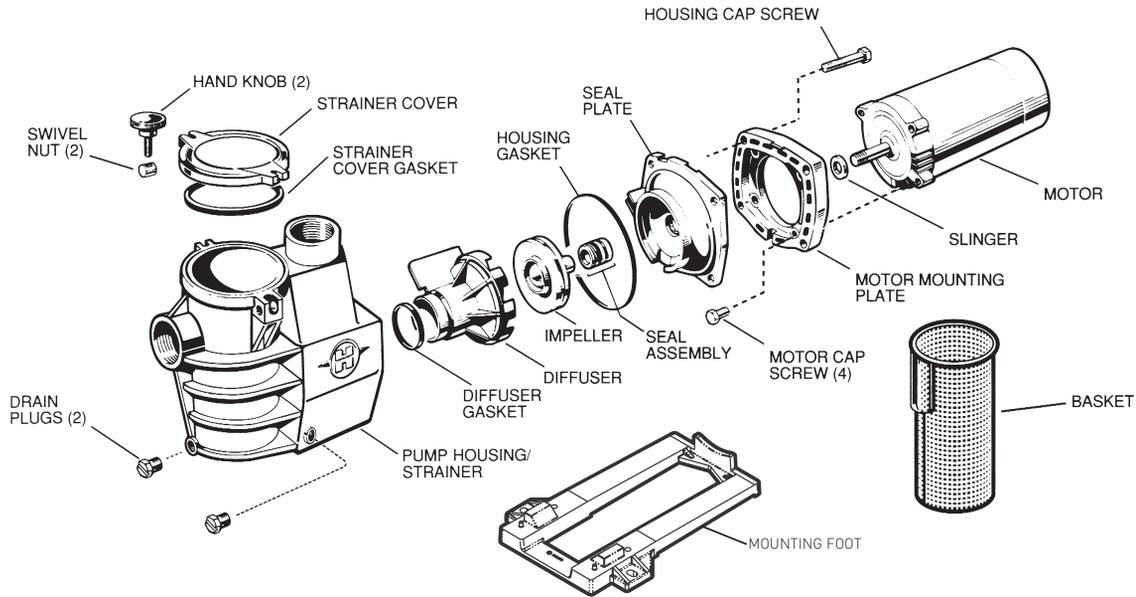
	SPX2705Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V/208-230V)	1
	SPX2705Z1ME	Motor, 3/4 H.P., Energy Efficient Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1
	SPX2707Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1
	SPX2710Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1
	SPX2715Z1ME	Motor, 2 H.P., Energy Efficient, Threaded Shaft (Single Phase, 60 Cycle 115/208-230V)	1
	SPX2707Z2M	Motor, 1 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1
	SPX2710Z2M	Motor, 1 1/2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1
	SPX2715Z2M	Motor, 2 H.P., 2-Speed, Threaded Shaft (Single Phase, 60 Cycle 230V)	1

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**Parts for Pump Models: SP2800X5, SP2805X7, SP2807X10, SP2810X15(2), SP2815x20**



Part No.	Description	Ctn. Qty.
SPX2800AA*	Pump Housing/Strainer accepts Swing Away Knobs, 1 1/2" x 1 1/2", with Drain Plugs (1995 and prior)	1
SPX1250LA	Strainer Cover, clear with Gasket (Fits All Models)	10
SPX1250LAB	Strainer Cover, with Gasket for Biguanidine Sanitizers NOT Pressure testable	—
SPX0125T	Strainer Cover Gasket	20
SPX1250RA	Basket (1994 and prior)	10
SPX2800M	Basket (1995)	102
SPX1250Z4	Hand Knob, Three Pointed (1994 and prior)	50
SPX1600PN	Hand Knob Kit (1995, Includes Swivel Nut and Hand Knob)	100
SPX1600T	Housing Gasket	50
SPX1600R	Diffuser Gasket	25
SPX1600TRA	Seal Assembly Kit (Includes Seal Assembly, Housing and Diffuser Gaskets)	10
SPX1600V	1/4" Drain Plug (1991 and prior)	50
SPX1700FG	1/4" Drain Plug with Gasket	50
SPX2600G1	Mounting Foot with Adapter and Screws	10
SPX1600Z52	Mounting Foot Cap Screw (set of 2 - 1995 and prior, 2 sets required)	1
SPX1600Z2	Seal Assembly	10
SPX1600F5	Motor Mounting Plate	10
SPX1600Z4	Housing Cap Screw	25
SPX0125Z44	Motor Cap Screw (set of 4)	20
SPX0125F	Slinger	50
SPX2800B	Diffuser, for all H.P.'s	15
SPX2600E5	Seal Plate	10
SPXHKIT1	H-KIT Quick Pump Repair for MaxFlo (Includes SPX1600T, SPX0125T, SPX1600R, SPX1600Z2 and Jack's Lube)	10

**Housing conversion Kit —To Swing Away Knob Style**

SPX2800AAC*	Complete Housing Conversion Kit. Includes housing, strainer cover and gasket, basket, round hand knobs (2), and swivel nuts (2).	1
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Parts listed below must be ordered for specific model & H.P.:

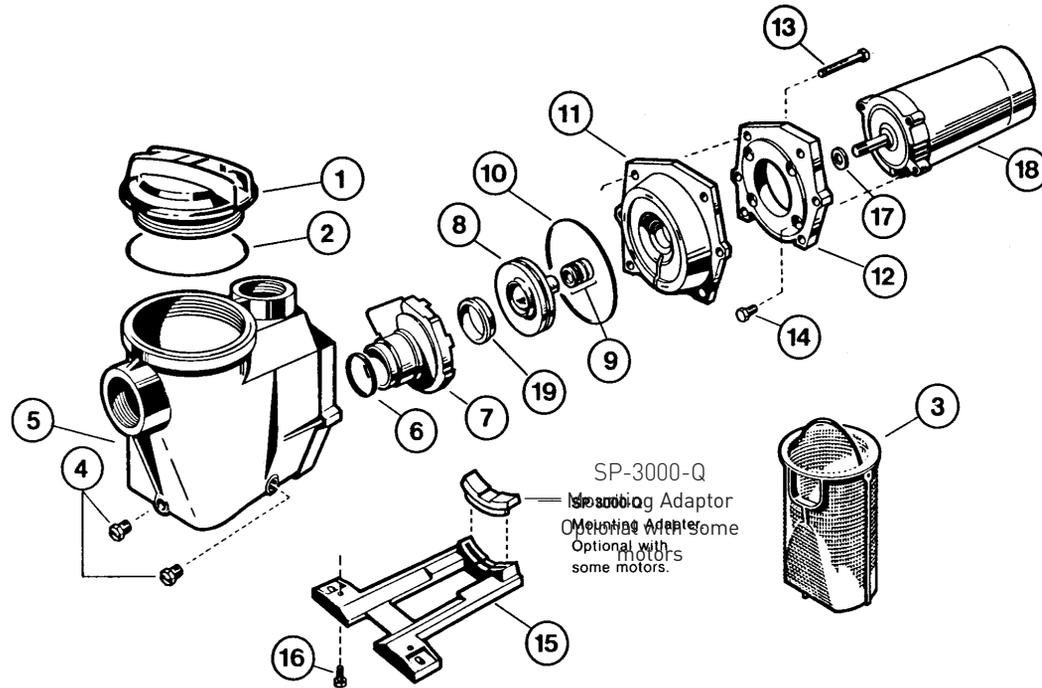
SPX2600C	Impeller, for 1/2 H.P. Max Rated	20
SPX2605C	Impeller, for 3/4 H.P. Max Rated	20
SPX2607C	Impeller, for 1 H.P. Max Rated	10
SPX2610C	Impeller, for 1 1/2 H.P. Max Rated	20
SPX2615C	Impeller, for 2 H.P. Max Rated	25
SPX1600Z1M	Motor, 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115V)	1
SPX1605Z1M	Motor, 3/4 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1
SPX1607Z1M	Motor, 1 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1
SPX1610Z1M	Motor, 1 1/2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1
SPX1615Z1M	Motor, 2 H.P., Threaded Shaft (Single Phase, 60 Cycle 115/230V)	1
SPX1610Z2M	Motor, 1 1/2 H.P., Threaded Shaft, Two-speed (Single Phase, 60 Cycle, 230V)	1

**NOTE:** \*SP2800AAC is a complete substitute for SPX2800AA.

# EZ Flo Pump

## EZ FLO PUMP REPLACEMENT PARTS

Parts for Models: SP3105X7, SP3107X10, SP3110X15, SP3115X20, SP3120X25



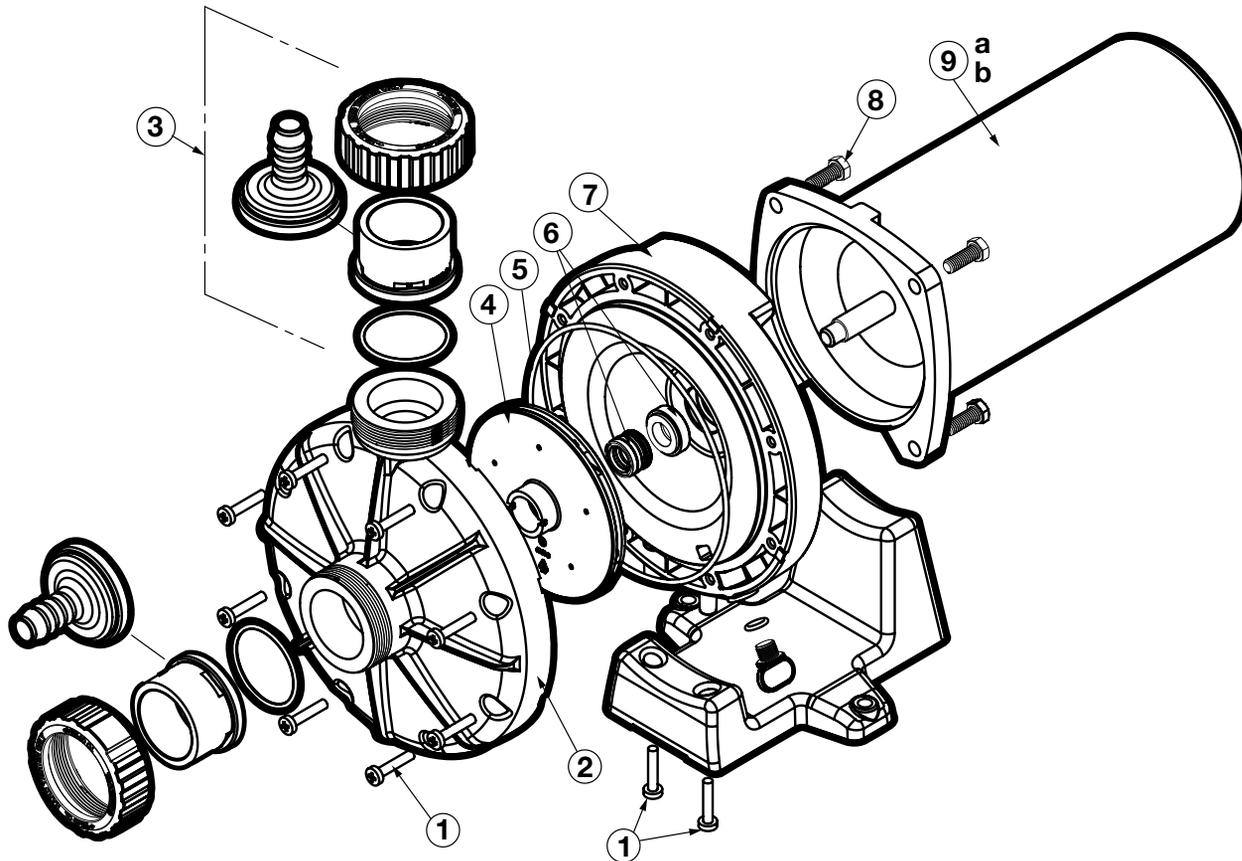
Ref. No.	Description	No. Req'd	Part Number				
			Model SP3105X7	Model SP3107X10	Model SP3110X15	Model SP3115X20	Model SP3120X25
1	Strainer Cover; Threaded	1	SPX3100D	SPX3100D	SPX3100D	SPX3100D	SPX3100D
2	Strainer Cover O-Ring	1	SPX3000S	SPX3000S	SPX3000S	SPX3000S	SPX3000S
3	Basket	1	SPX3000-M	SPX3000M	SPX3000M	SPX3000M	SPX3000M
4	Drain Plug without O-Ring	2	SPX1700FG	SPX1700FG	SPX1700FG	SPX1700FG	SPX1700FG
5	Pump Housing/Strainer Basket	1	SPX3100AA	SPX3100AA	SPX3100AA	SPX3120AA	SPX3120AA
6	Diffuser Gasket	1	SPX1600R	SPX1600R	SPX1600R	SPX1600R	SPX1600R
7	Diffuser	1	SPX3000BN	SPX3000BN	SPX3000BN	SPX3021B	SPX3021B
8	Impeller	1	SPX3005C	SPX3007C	SPX3010C	SPX3016C	SPX3021C
9	Seal Assembly	1	SPX1600Z2	SPX1600Z2	SPX1600Z2	SPX1600Z2	SPX1600Z2
10	Housing Gasket	1	SPX3000T	SPX3000T	SPX3000T	SPX3000T	SPX3000T
11	Seal Plate	1	SPX3020E	SPX3020E	SPX3020E	SPX3020E	SPX3020E
12	Motor Mounting Plate	1	SPX3000F	SPX3000F	SPX3000F	SPX3000F	SPX3000F
13a	Housing Cap Screw	6	SPX1600Z4	SPX1600Z4	SPX1600Z4	SPX1600Z4	SPX1600Z4
13b	Housing Cap Screw	1	SPX3000Z26	SPX3000Z26	SPX3000Z26	SPX3000Z26	SPX3000Z26
14	Motor Cap Screw <i>(set of 4)</i>	1	SPX0125Z44	SPX0125Z44	SPX0125Z44	SPX0125Z44	SPX0125Z44
15	Mounting Bracket with screw	1	SPX3000GA	SPX3000GA	SPX3000GA	SPX3000GA	SPX3000GA
16	Mounting Bracket Screw <i>(set of 2)</i>	1	SPX1600Z52	SPX1600Z52	SPX1600Z52	SPX1600Z52	SPX1600Z52
17	Slinger	1	SPX0125F	SPX0125F	SPX0125F	SPX0125F	SPX0125F
18	Motor-60 Cycle Single Phase	1	SPX1605Z1M	SPX1607Z1M	SPX1610Z1M	SPX1615Z1M	SPX1620Z1M
19	Impeller Ring	1	SPX3005R	SPX3005R	SPX3005R	SPX3021R	SPX3021R
—	Strainer Cover Removal Tool	1	SPX3100T	SPX3100T	SPX3100T	SPX3100T	SPX3100T

# Booster Pump 300

HSP30060, (W3)6060 BOOSTER PUMP REPLACEMENT PARTS

Pumps

Parts for Booster Pump Models: HSP30060, (W3)6060

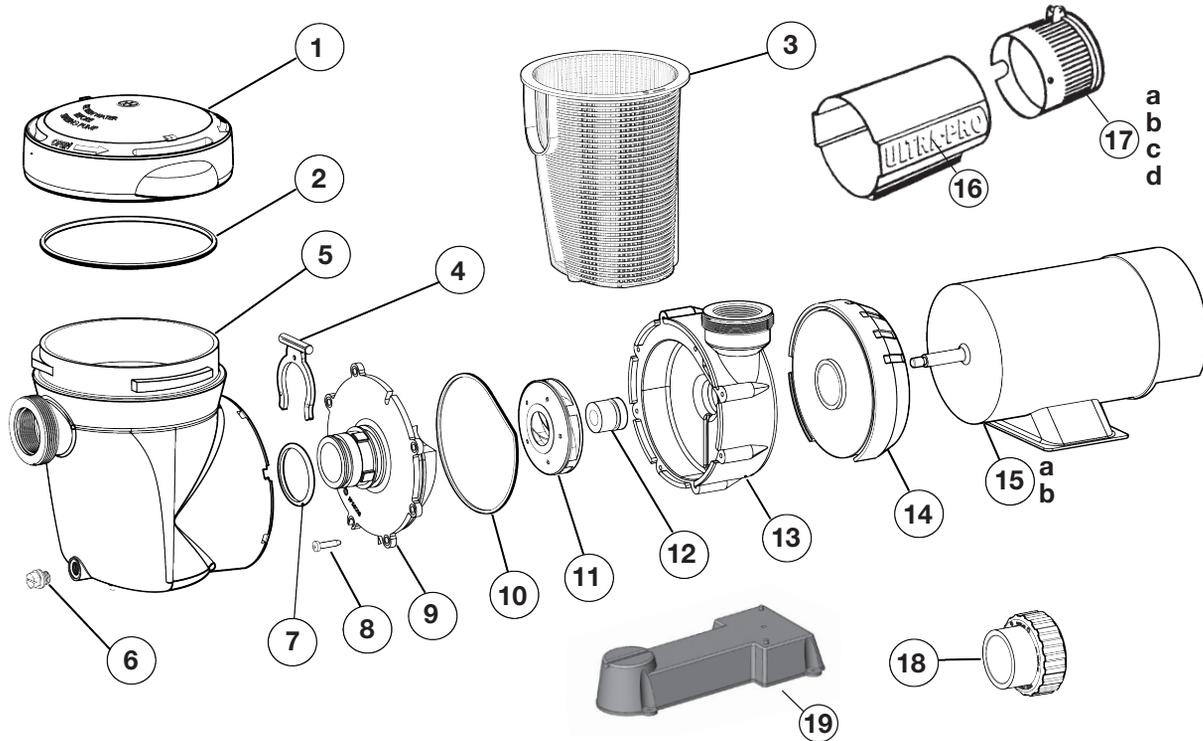


Ref. No.	Part No.	Description	Ctn. Qty.
<b>(W3)6060 Booster Pump Parts</b>			
1	AX6060Z1	Screws	10
2	AX6060A	Volute	1
3	AX6060UNPAK	Union Fittings Kit (2 Unions with O-Rings)	5
—	SPX1495Z1	Union O-Ring	50
4	AX6060C	Impeller Assembly	5
5	AX6060S	O-Ring	50
6	SPX2700SA	Seal Assembly	10
7	AX6060E	Seal Plate Assembly (Seal Plate with Drain Plug and O-Ring)	1
8	SPX4000FG	Drain Plug with O-Ring	50
9a	AX6060G	Motor Support	1
9b	SPX2707Z1BT	HSP30060 Motor (3/4 H.P., 60 Cycles)	1
—	SPX3200Z5PAK4	Motor Bolt (pack of 4)	50
—	SPX2707Z1B	6060 Motor (3/4 H.P., 60 Cycles)	1
—	6060HKIT	Booster Pump Hose Kit, HSP30060 and 6060	5

# Matrix Pump

## SP5600 PUMP SERIES REPLACEMENT PARTS

### Parts Diagram

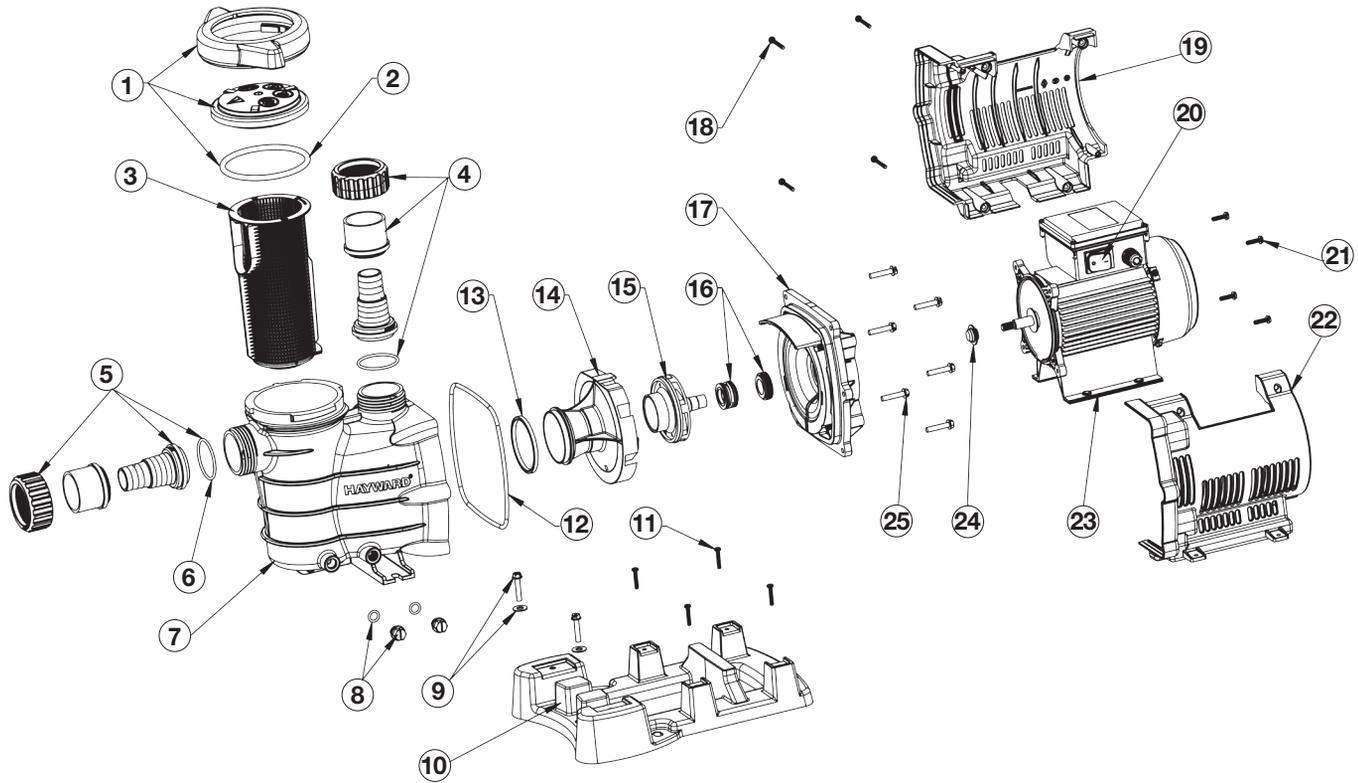


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	SPX5500D	Strainer Cover with Lock Ring and 'O' Ring	10	1
2	SPX5500H	Strainer Cover 'O' Ring	10	1
3	SPX5500F	Strainer Basket	10	1
4	SPX5500G	Strainer Retainer/'C' Clip	10	1
5	SPX5500C	Strainer Housing with Drain Plug	1	1
6	SPX1700FG	Drain Plug with Gasket	10	1
7	SPX5500K	Strainer 'O' Ring	10	1
8	SPX0714Z48	Screw, #14 x 1/4" Type B Pan Head (8 pack)	80	1
9	SPX5500B	Pump Cover	4	1
10	SPX0710XZ5	Housing 'O' Ring	10	1
11	SPX1591F	1 H.P. Impeller Assembly + 1 1/2 H.P.	10	1
12	SPX1500KA	Shaft Seal Assembly	10	1
13	SPX5500A	Pump Housing (Includes pump cover)	4	1
14	SPX5500E1	Shroud Assembly	4	1
15a	SPX1509Z1UF	1 H.P. Motor, Single Speed	1	1
15b	SPX1514Z1UF	1 1/2 H.P. Motor, Single Speed	1	1
15c	SPX1514Z26F	1 1/2 H.P. motor, 2-speed	1	1
16	SPX2090A	Motor Housing	1	1
17a	SPX2090CAM	End Cover for Single Speed Pump	1	1
17b	SPX2090CETM	End Cover with Timer, Single Speed Pump	1	1
17c	SPX2090C2ET	End Cover for 2-speed Pump with Timer	1	1
17d	SPX2090C2	End Cover for Two Speed Pump	1	1
18	SP1500UNPAK2	Union Connector Assembly (set of 2 unions)	50	1
19	SPX5500M	Base (Includes foam insert)	1	1
	ECX1325R	Switch Assembly - Single Speed		1
	ECX13252R	Switch Assembly - 2 Speed or Timer		1
	ECX1108A	Mounting Screw for Base		1
	SPX1550WA5	Power Cord		1
	SPX5500MFB	Foam insert for Base	1	1
	SPX1500Q5	Shaft Sleeve for Motor	1	1
	SPX2000E	Heat Baffle for Motor	1	1

# PowerFlo II

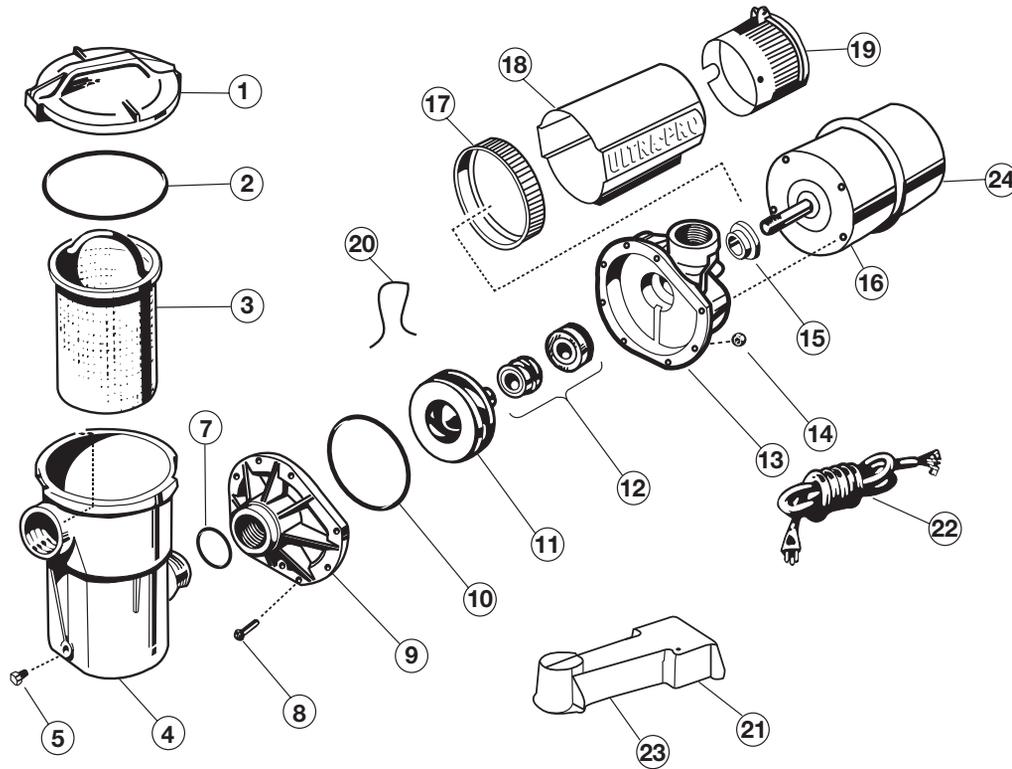
## VL2280 AND VL2285 SERIES REPLACEMENT PARTS

### Parts for Pump Models: VL2280 & VL2285



Ref. No.	Part No.	Description	No. Req'd
1	SPX8100LDS	Strainer Cover Assembly	1
2	SPX8100S	Strainer Cover O-Ring	1
3	SPX8100M	Strainer Basket	1
4	SPX8100UNSAUPAK	Female Adapter Kit	1
5	SPX8100UNBPAK	Male Adapter Kit	1
6	SPX8100UNO	Mal Adapter O-Ring	1
7	SPX8100AA	Pump Housing	1
8	SPX1700FG	Drain Plug Assembly	1
9	SX180KKIT	Housing Fix Screw Kit	1
10	VLX2280G	Base	1
11	SPX0714Z2	Shroud Fix Screw Kit	1
12	GMX600F	Seal Plate O-Ring	1
13	SPX8100R	Diffuser Gasket	1
14	SPX8100B	Diffuser	1
15	VLX1280TC	Impeller	1
16	SPX1600Z2	Shaft Seal Assembly	1
17	SPX8100E	Seal Plate	1
18	SPX2700Z3PAK4	Shroud Screw Kit	1
19	VLX2280AM2	Rear Shroud	1
20	LTBCYXSW	Switch	1
21	SPX8100Z1	Motor Mounting Screw	1
22	VLX2280AM1	Front Shroud	1
23	VLX2280Z1C	Motor	1
24	SPX1500Q6	Slinger	1
25	6060XZ1	Housing Screw Kit	1
—	SPX1550WA5CH	25' Cord Set	1

Parts for Pump Models: SP2290✓, SP2295\*, SP2290ET, SP2295ET

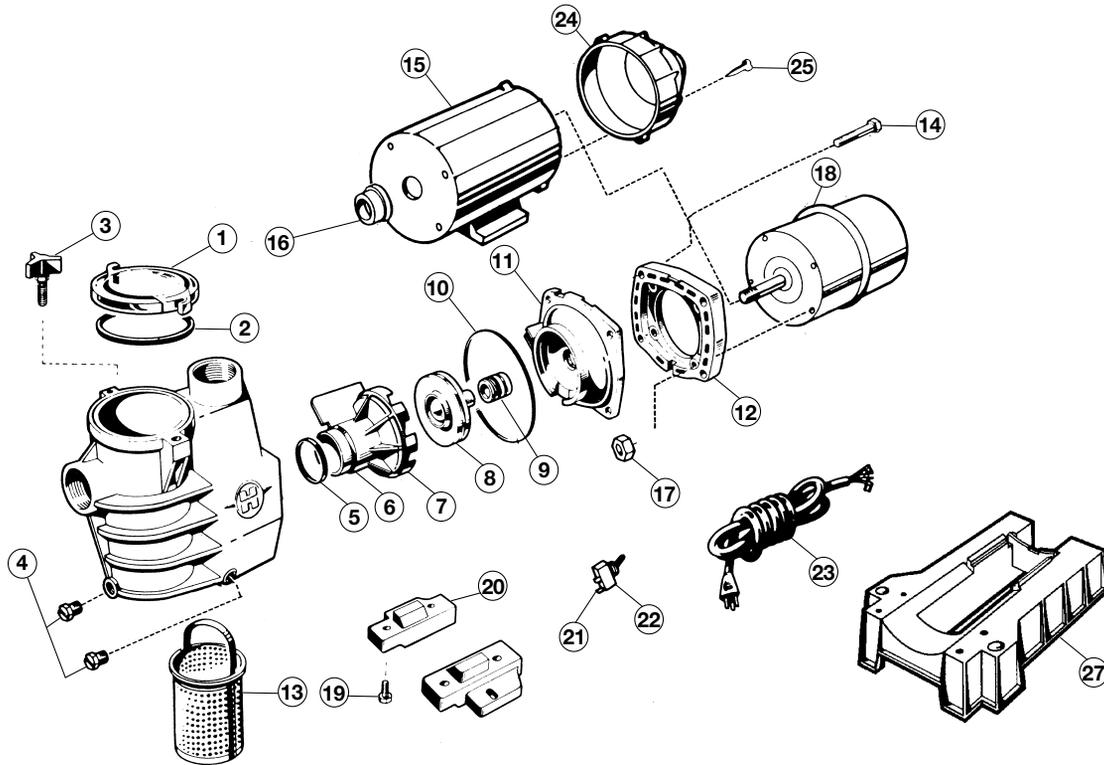


Ref #	Part No.	Description	Qty. Req'd
1	SPX1500D2A	Strainer Cover with O-Ring	1
2	SPX1500P	Strainer O-Ring	1
3	SPX1500LX	Basket	1
4	SPX1500CAP	Strainer Housing with Basket and Drain Plug	1
5	SPX1700FG	Drain Plug with Gasket	1
7	SPX1500W	O-Ring	1
8	SPX1500N2	Bolt	8
9	SPX1580BP	Housing Cover	1
10	SPX1580Z1	Housing O-Ring	1
11	SPX1500E	Impeller for All Models	1
12	SPX1500KA	Seal Assembly	1
13	SPX1580AAP	Pump Housing	1
14	SPX1500Y2	Nut	8
15	SPX1500Q5	Shaft Sleeve	1
16a	SPX1509Z1UF	1 H.P. Motor, Single Speed	1
16b	SPX1514Z2UF	1.5 H.P. Motor, 2 Speed	1
16c	SPX1514Z1UF	1.5 H.P. Motor, Single Speed	1
17	SPX2090B	Shroud	1
18	SPX2090A	Motor Housing	1
19a	SPX2090C	Motor End Cover Assembly for Single Speed Motor	1
19b	SPX2090CET	Motor End Cover (electronic timer, single speed)	1
19c	SPX2090C2ET	Motor End Cover, 2 Speed with Timer	1
—	ECX1325R	Switch Assembly (Single Speed) (not shown)	1
—	ECX13252R	Switch Assembly – Timer or 2 speed (not shown)	1
20	SPX1515C	C-Clip	1
21	spX5500M	Elevated Mounting Base	1
22	SPX1550WA5	Power Cord	1
23	SPX5500MFB	Foam Insert for Base	1
—	ECX1108A	Mounting Screw/Washer for base (not shown)	1
24	SPX2000E	Heat Baffle for Motor	1

# UltraMax

## SP2910\* AND SP2915\* PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP2910\*, SP2915\*, SP2910ET\*, SP2915ET\*

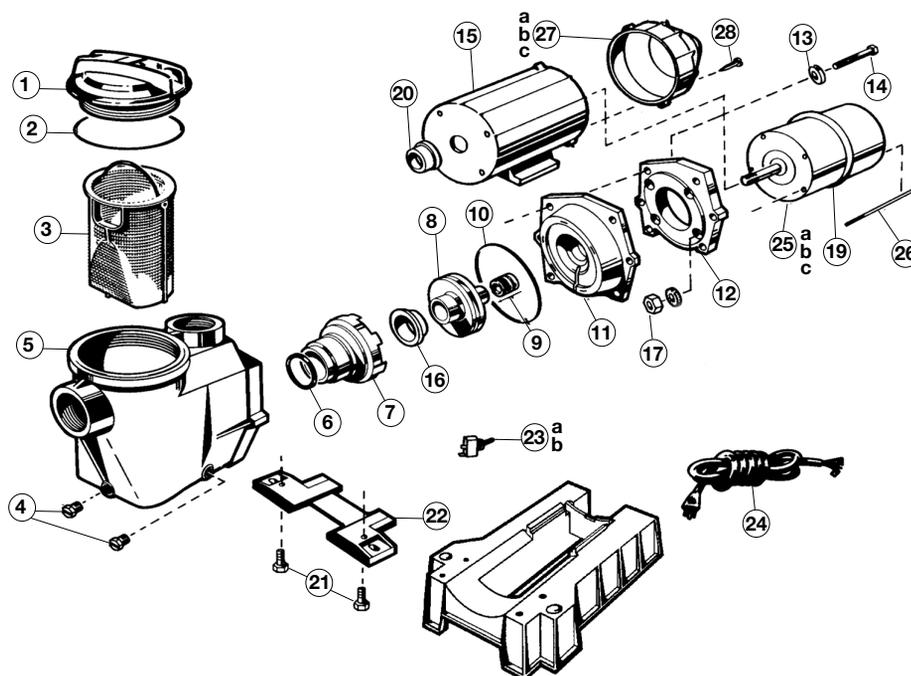


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	SPX1250LA	Strainer Cover/Gasket	25	1
2	SPX0125T	Strainer Cover/Gasket	100	1
3	SPX1600PN	Hand Knob/Swivel Nut	50	2
4	SPX1700FG	Drain Plug/Gasket	50	2
5	SPX2800AA	Pump/Strainer Housing (Includes drain plugs and housing gasket)	1	1
6	SPX1600R	Diffuser Gasket	500	1
7	SPX2800B	Diffuser	10	1
8	SPX2915CT	Impeller for All Models	20	1
9	SPX1600Z2	Seal Assembly	50	1
10	SPX1600T	Housing Gasket	50	1
11	SPX2600E5	Seal Plate	10	1
12	SPX1600F3M	Motor Mounting Plate	25	1
13	SPX2800M	Strainer Basket	10	1
14	SPX1600Z4	Housing Cap Screw	500	4
15	SPX2000A3	Motor Housing	2	1
16	SPX1500Q4	Shaft Sleeve	200	1
17	SPX3300Z3	Housing Nut	10	4
18	SPX2000E	Heat Baffle	50	1
19	SPX1600Z52	Mounting Bracket Screw (set of 2)	100	1
20	SPX2600G1	Mounting Bracket (set of 2) and Mounting Screws	1	1
21	ECX1325R	Switch Assembly - Single Speed	200	1
22	ECX13252R	Switch Assembly - 2 Speed or Timer	200	1
23	SPX1550WA5	Power Cord	10	1
24	SPX2000C2	Motor End Cover Only	5	1
25	SPX1411Z3	Screw for Motor End Cover	1000	3
26	SPX2601B	Base Pins (pack of 2)	100	1
27	SPX2601AB	Mounting Base	1	1
28	SPX1509Z1TFS	1 H.P. Motor, Single Speed	1	1
29	SPX1514Z1TFS	1.5 H.P. Motor, Single Speed	1	1
30	SPX1514Z2TFS	1.5 H.P. Motor, 2 Speed	1	1
31	SPX2000CET	Motor End Cover Assembly, Single Speed with Timer	10	1
32	SPX2000C2ET	Motor End Cover Assembly, 2 Speed with Timer	10	1

# Turbo Injection

## SP-3310 AND SP-3315 (2) (ET) PUMP SERIES REPLACEMENT PARTS

Parts for Pump Models: SP-3310, SP-3315 (2) (ET)

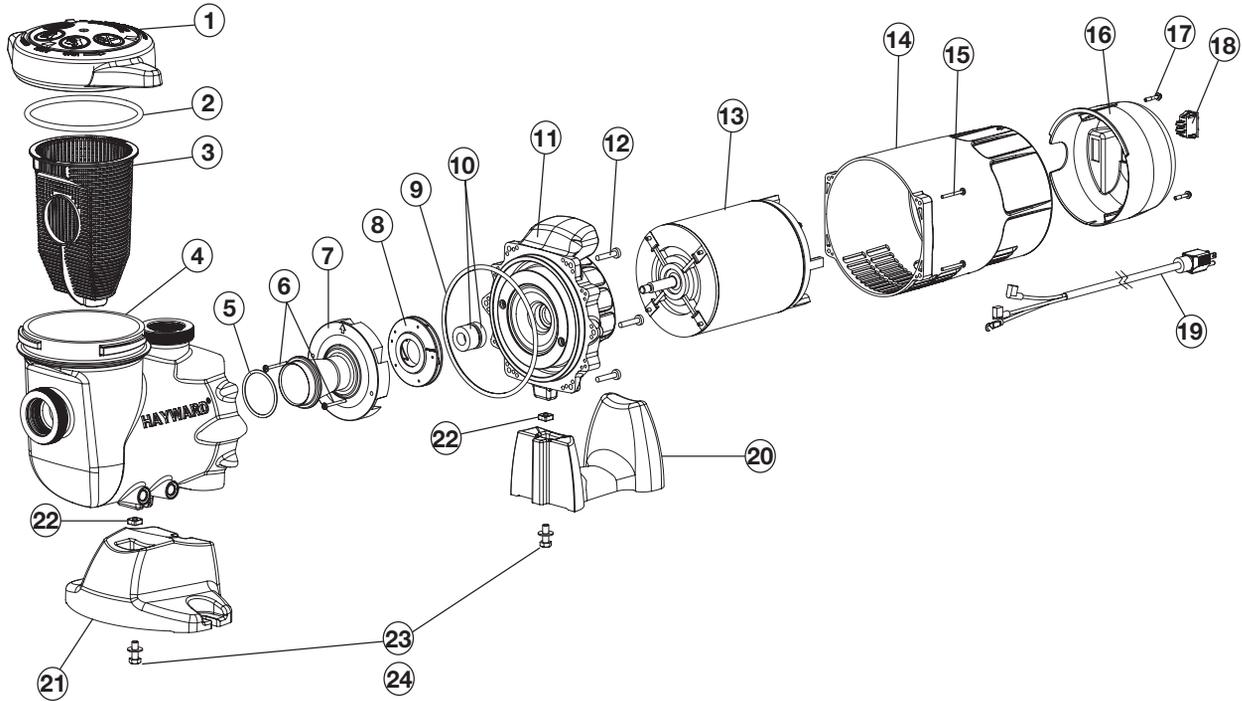


Ref. No.	Part No.	Description	Ctn.	Per
1	SPX3100D	Strainer Cover	1	
2	SPX3000S	Strainer Cover O-Ring	1	
3	SPX3000M	Strainer Basket	1	
4	SPX1700FG	Drain Plug with Gasket	2	
5	SPX3100AAT	Pump/Strainer Housing with Basket	1	
6	SPX1600R	Diffuser Gasket	1	
7	SPX3000BN	Diffuser	1	
8	SPX3015CT	Impeller	1	
9	SPX1600Z2	Seal Assembly	1	
10	SPX3000T	Housing Gasket	1	
11	SPX3020E	Seal Plate	1	
12	SPX3000F3M	Motor Mounting Plate	1	
13	SPX3000Z26	Flat Washer (pack of 6)	6	
14	SPX1600Z4	Housing Cap Screw	6	
15	SPX2000A3	Motor Housing	1	
16	SPX3005R	Impeller Ring	1	
17	SPX3300Z3	Housing Nut	4	
19	SPX2000E	Baffle	1	
20	SPX1500Q4	Shaft Sleeve	1	
21	SPX1600Z52	Mounting Bracket Screw (pack of 2)	2	
22	SPX3000GA	Mounting Bracket with Hardware	1	
23a	ECX1325R	Switch Assembly Single Speed	1	
23b	ECX13252R	Switch Assembly for 2 Speed or Timer	1	
24	SPX1550WA5	Power Cord	1	
25a	SPX1509Z1TFS	Motor, Single Speed, 1 H.P.	1	
25b	SPX1514Z2TFS	Motor-60 Cycle Single Phase 2 Speed (For SP-3315 (2) (ET)), 1.5 H.P.	1	
25c	SPX151421TFS	Motor Securing Bolt, Single-Spee, 1.5 H.P.	1	
27a	SPX2000C2	Motor End Cover	1	
27b,c	SPX2000C2ET	Motor End Cover c/w 2 Speed Switch and Cord, for Timer	1	
28	SPX-1411Z3	Screw	3	
	SPX2601AB	Mounting Base	1	
	SP3100T	Strainer Cover Removal Tool	1	

# TurboFlo II

## PUMP SERIES REPLACEMENT PARTS

### Parts Diagram



Ref. No.	Part No.	Description	Ctn.	Per
1 & 2	SPX2700DLS	Strainer Cover/O-Ring	1	
2	SPX2700Z4	O-Ring for Strainer Cover	1	
3	SPX2700M	Strainer Basket	1	
4	SPX5700AALL	Pump Housing Assembly, Less Label	1	
5	SPX1495Z1	O-Ring	1	
6	SPX2700Z3	Screw	2	
7	SPX5700B	Diffuser	1	
8	SPX1591FM	Impeller	1	
9	SPX5500H	Strainer Housing O-Ring	1	
10	SPX1500KA	Seal Assembly	1	
11	SPX5700E	Seal Plate	1	
12	6060Z1	Screw	6	
13	SPX1509Z1UF	1 H.P. Motor	1	
13	SPX1514Z1UF	1.5 H.P. Motor	1	
13	SPX1514Z2UF	1.5 H.P. 2 Speed Motor	1	
14	SPX5700AM	Motor Housing	1	
15	SPX2700Z3	Screw	4	
16	SPX5700CA	End Bell Assembly Single Speed	1	
16	SPX5700CA2	End Bell Assembly 2 Speed	1	
17	SPX1500T2	Screw	2	
18	ECX1325R	Switch for Single Speed	1	
18	ECX13252R	Switch for 2 Speed	1	
19	SPX1550WA5C	Cord Set	1	
20	SPX5700G	Motor Support	1	
21	SPX5700H	Main Base	1	
22	SPX2700Z2	Housing Square Nut	2	
23	SPX5700Z4	Bolt	2	
24	ECX1109	Washer	2	

# FLEXES BETTER.

The TriStar XL is a game changer for large residential pools, feature-rich pools or complex pool pad configurations. Engineered for performance and versatility, the TriStar XL delivers increased flow from extra-large 2.5" x 3" unions, the removable strainer housing allows for more adaptable pump configurations, and the oversized strainer basket reduces cleaning and maintenance.

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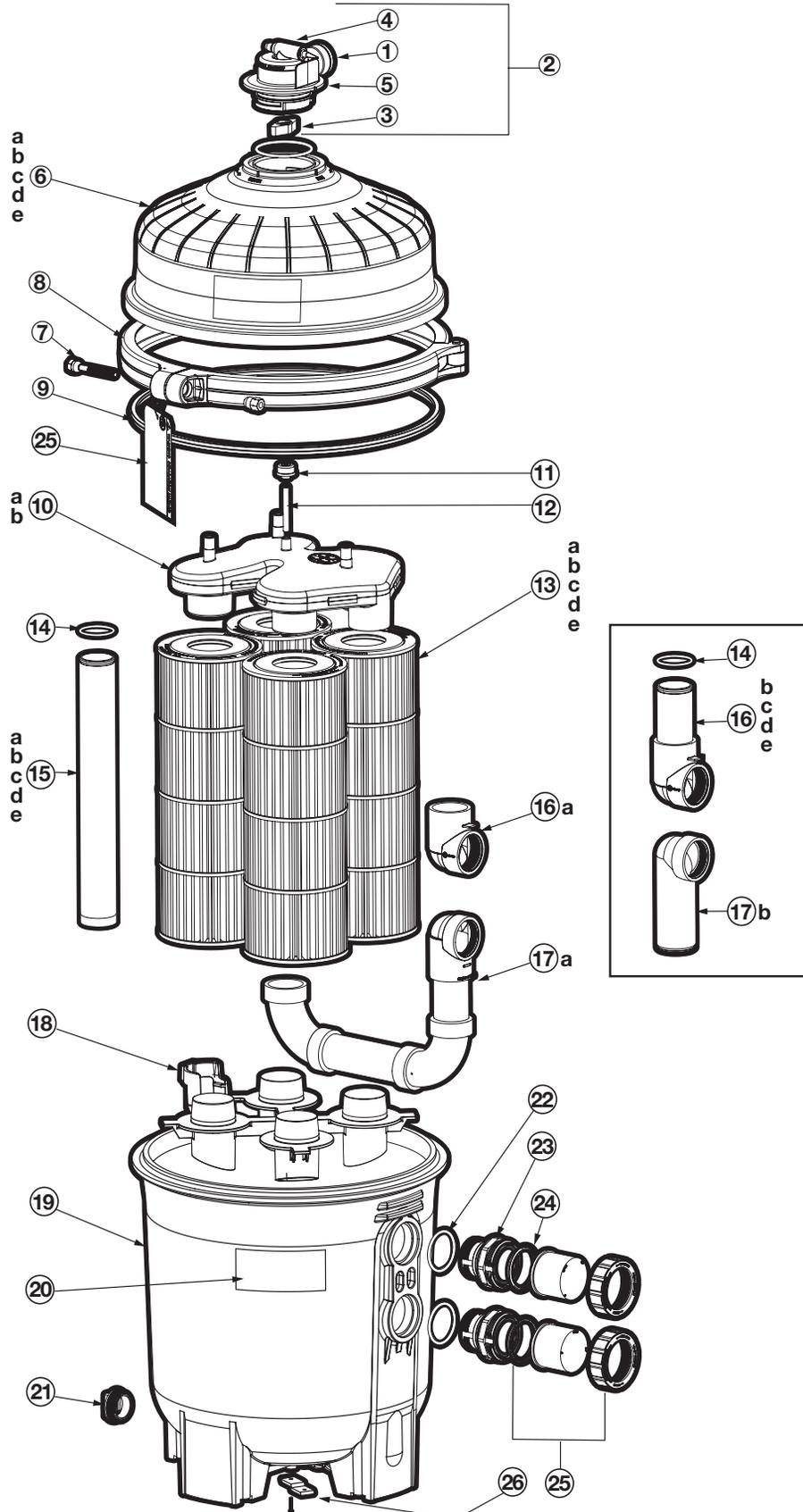
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# SwimClear™ Multi-Element

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



# SwimClear™ Multi-Element

## CARTRIDGE FILTER SERIES REPLACEMENT PARTS

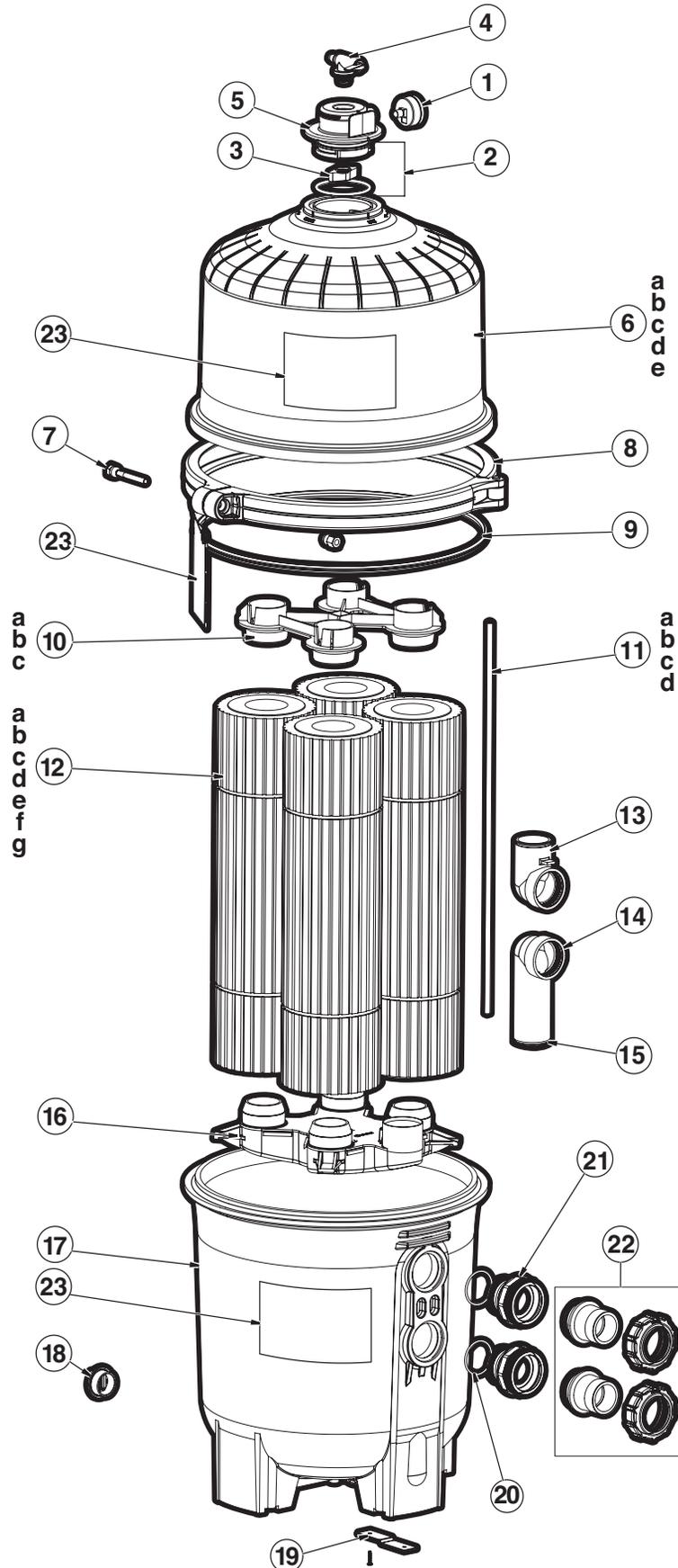
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	ECX2712B1	Pressure Gauge	20
2	DEX2420Z8A	O-Ring Kit (set of 2)	10
3	CCX1000N	Air Relief Valve Nut	50
4	CCX1000V	Manual Air Relief with O-Ring	50
5	DEX2420MAR2	Manual Air Relief Assembly	1
6a	DEX2420BTC	Upper Filter Body with Clamp C2030	1
6b	DEX3620BTC	Upper Filter Body with Clamp C3030	1
6c	DEX4820BTC	Upper Filter Body with Clamp C4030	1
6d	DEX6020BTC	Upper Filter Body with Clamp C5030	1
6e	DEX7220BTC	Upper Filter Body with Clamp C7030	1
7	DEX2421J2	Clamp Bolt and Nut	10
8	DEX2421JKIT	Clamp System (Includes Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels)	1
9	DEX2422Z2	Metal Reinforced Seal	1
10a	CX3030C	Top Manifold C2030, C3030, C4030	1
10b	CX5030C	Top Manifold C5030, C7030	1
11	CX3000J1	Air Relief Filter	150
12	CX2030Z3	Air Relief Tube	10
13a	CX481XRE	Cartridge Element C2030	1
	CX481XREPAK4	Cartridge Elements (4 pack) C2030	1
13b	CX580XRE	Cartridge Element C3030	1
	CX580XREPAK4	Cartridge Elements (4 pack) C3030	1
13c	CX880XRE	Cartridge Element C4030	1
	CX880XREPAK4	Cartridge Elements (4 pack) C4030	1
13d	CX1280XRE	Cartridge Element C5030	1
	CX1280XREPAK4	Cartridge Elements (4 pack) C5030	1
13e	CX591XRE	Cartridge Element C7030	1
	CX591XREPAK4	Cartridge Elements (4 pack) C7030	1
	CX7020M	Mid Plate Connector C7030	1
14	DEX2400Z5	Outlet Pipe O-Ring	10
15a	CX3031F6	Outlet Pipe C2030	1
15b	CX3031F7	Outlet Pipe C3030	1
15c	CX3031F8	Outlet Pipe C4030	1
15d	CX3031F9	Outlet Pipe C5030	1
15e	CX3031F10	Outlet Pipe C7030	1
16a	CX3030F	Inlet Elbow (after Sept. 2012)	5
16b	CX3030F1	Outlet Elbow with Pipe C2030 (prior to Sept. 2012)	5
16c	CX3030F2	Outlet Elbow with Pipe C3030 (prior to Sept. 2012)	—
16d	CX3030F3	Outlet Elbow with Pipe C4030 (prior to Sept. 2012)	—
16e	CX3030F4	Outlet Elbow with Pipe C5030 (prior to Sept. 2012)	—
17a	CX3030H	SwimClear Lower Piping Assembly (after Sept. 2012)	1
17b	CX3020FB	Outlet Elbow (prior to Sept. 2012)	5
18	CX3030D	Bottom Cartridge Mounting Plate	1
19	DEX2420ATC	Lower Filter Body with Clamp	1
20	DEX2420LA6PAK	Label Pack (Includes all Warning and Operation Labels, Hang Tag, Wire Tie, Owner's Manual)	10
21	SP1022CBLK	1 1/2" Drain Plug with O-Ring (Black)	100
22	SX220Z2	Bulkhead O-Ring	10
23	CX3035F	Bulkhead Fitting	25
24	SPX3200UG	Union Gasket (set of 2)	100
25	SPX3200UNKIT	Union Connection Kit (2 each of nuts, connectors, gaskets)	10
26	DEX2420DCKIT	(Optional) Tie Down – Strap Kit (2 each of straps, screws)	25

# SwimClear™ Multi-Element

CARTRIDGE FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



# SwimClear™ Multi-Element

## CARTRIDGE FILTER SERIES REPLACEMENT PARTS

### Parts Listing

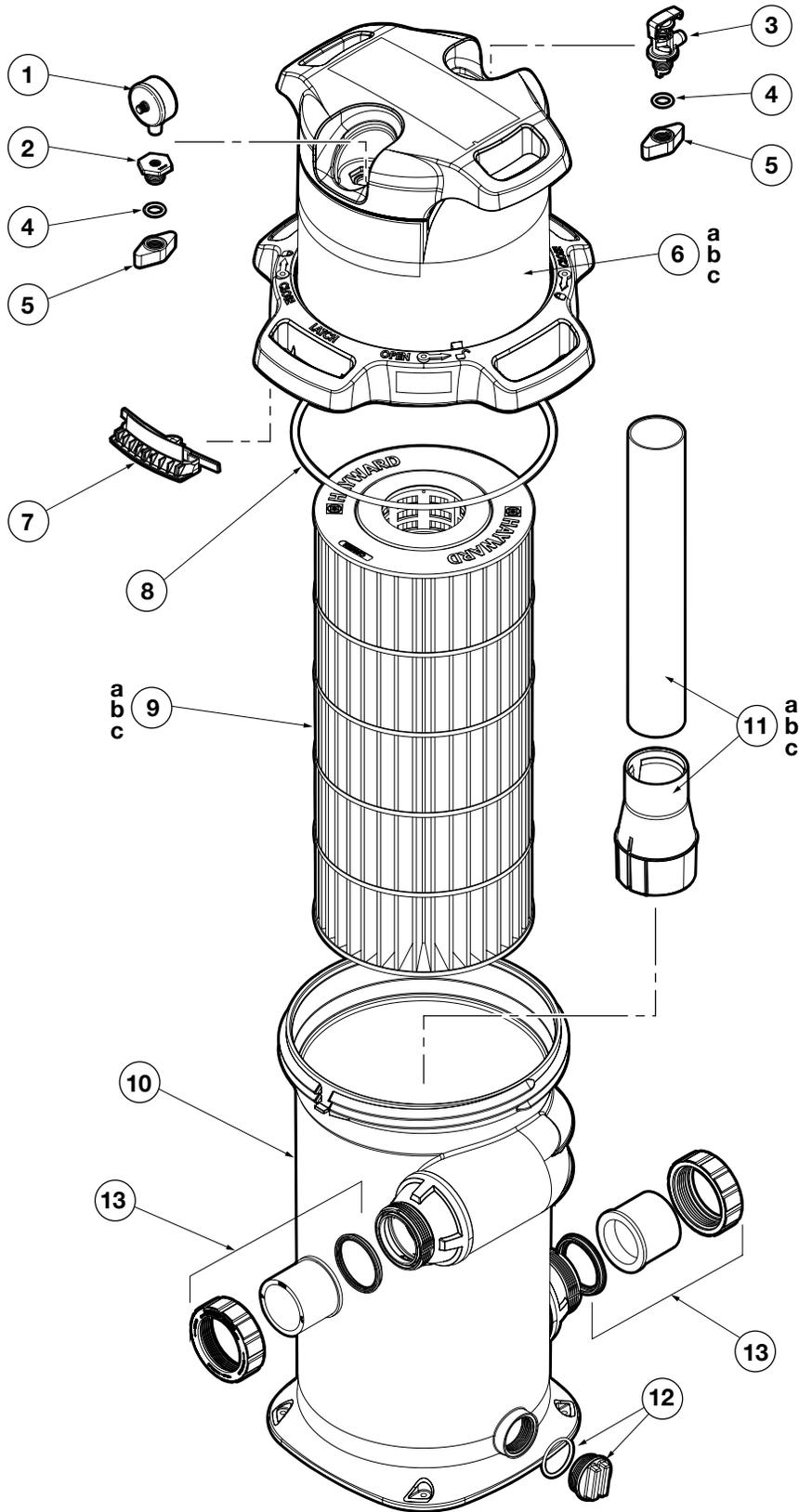
Ref. No.	Part No.	Description	Ctn. Qty.
1	ECX2712B1	Pressure Gauge	20
2	DEX2420Z8A	O-Ring Kit ( <i>set of 2</i> )	10
3	CCX1000N	Manual Air Relief Valve Nut	50
4	CCX1000V	Manual Air Relief Valve with O-Ring	50
5	DEX2420MAR2	Manual Air Relief Assembly	1
6a	DEX2420BTC	Filter Head (C2020/C2025)	1
6b	DEX3620BTC	Filter Head (C3020/C3025)	1
6c	DEX4820BTC	Filter Head (C4020/C4025)	1
6d	DEX6020BTC	Filter Head (C5020/C5025)	1
6e	DEX7220BTC	Filter Head (C7000/C7020)	1
7	DEX2421J2*	Clamp Bolt and Nut	10
8	DEX2421JKIT	Clamp Assembly (Including Clamp, Clamp Nut and Bolt, Warning Hang Tag, Metal Reinforced Seal and Labels)	1
9	DEX2422Z2*	Metal Reinforced Seal	1
10a	CX2020DA	Top Closure Plate (C2020/C2025)	1
10b	CX3020DA	Top Closure Plate (C3020/C3025, C4020/C4025)	1
10c	CX5020DA	Top Closure Plate (C5020/C5025)	1
11a	CX800Z4	Air Relief Tube Assembly (C2020/C2025)	20
11b	CX3000Z3	Air Relief Tube Assembly (C3020/C3025)	50
11c	CX4000Z3	Air Relief Tube Assembly (C4020/C4025)	50
11d	CX5000Z3	Air Relief Tube Assembly (C5020/C5025)	50
12a	CX480XRE	Replacement Element (C2020/C2025)	1
	CX480XREPAK4	Cartridge Elements (C2020, C2025) – 4 pack	1
12b	CX580XRE	Replacement Element (C3020/C3025)	1
	CX580XREPAK4	Cartridge Elements (C3020, C3025) – 4 pack	1
12c	CX880XRE	Replacement Element (C4020/C4025)	1
	CX880XREPAK4	Cartridge Elements (C4020, C4025) – 4 pack	1
12d	CX875XRE	Replacement Element (C4520)	1
	CX875XREPAK4	Cartridge Elements (C4520) – 4 pack	1
12e	CX1280XRE	Replacement Element (C5020/C5025)	1
	CX1280XREPAK4	Cartridge Elements (C5020, C5025) – 4 pack	1
12f	CX1380XRE	Replacement Element (C5520 Series)	1
	CX1380XREPAK4	Cartridge Elements (C5520) – 4 pack	1
12g	CX590XRE	Replacement Element (C7000/C7020)	1
	CX590XREPAK4	Cartridge Elements (C7000, C7020) – 4 pack	1
—	CX7020M	Mid Plate Connector (C7000/C7020 Models Only)	1
13	CX3000F1B	Inlet Elbow	25
14	CX3020FB	Outlet Elbow	5
15	DEX360M	O-Ring	100
16	CX3000C	Bottom Collector Manifold	—
	CX3030CKIT	Top Manifold Conversion Kit (C2020/C2025/C3020/C3025/C4020/C4025)	1
	CX5030CKIT	Top Manifold Conversion Kit (C5020/C5025/C7000/C7020)	1
17	DEX2420ATC	Filter Body	1
18	SP1022CBLK	1 ½" Drain Plug with O-Ring	100
19	DEX2420DCKIT	Strap Kit (optional)	25
20	SX220Z2	O-Ring	10
21	DEX2420F	Bulkhead Fitting	25
22	DE2400PAK2CS	Plumbing Kit (Includes 2 O-Rings, 2 Slip Connectors and 2 Locknuts)	10
23	DEX2420LA6PAK	Label Pack (Includes all Warning and Operation Labels, Hang Tag (#24), Wire Tie and Owner's Manual)	10

**NOTE:** \*Compatible only with DEX2421JKIT clamp system for Hayward Pro-Grid™ D.E. and SwimClear™ cartridge filters.

# SwimClear™ Single-Element

C100S, C150S, C200S CARTRIDGE FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



Filters

# SwimClear™ Single-Element

C100S, C150S, C200S CARTRIDGE FILTER SERIES REPLACEMENT PARTS

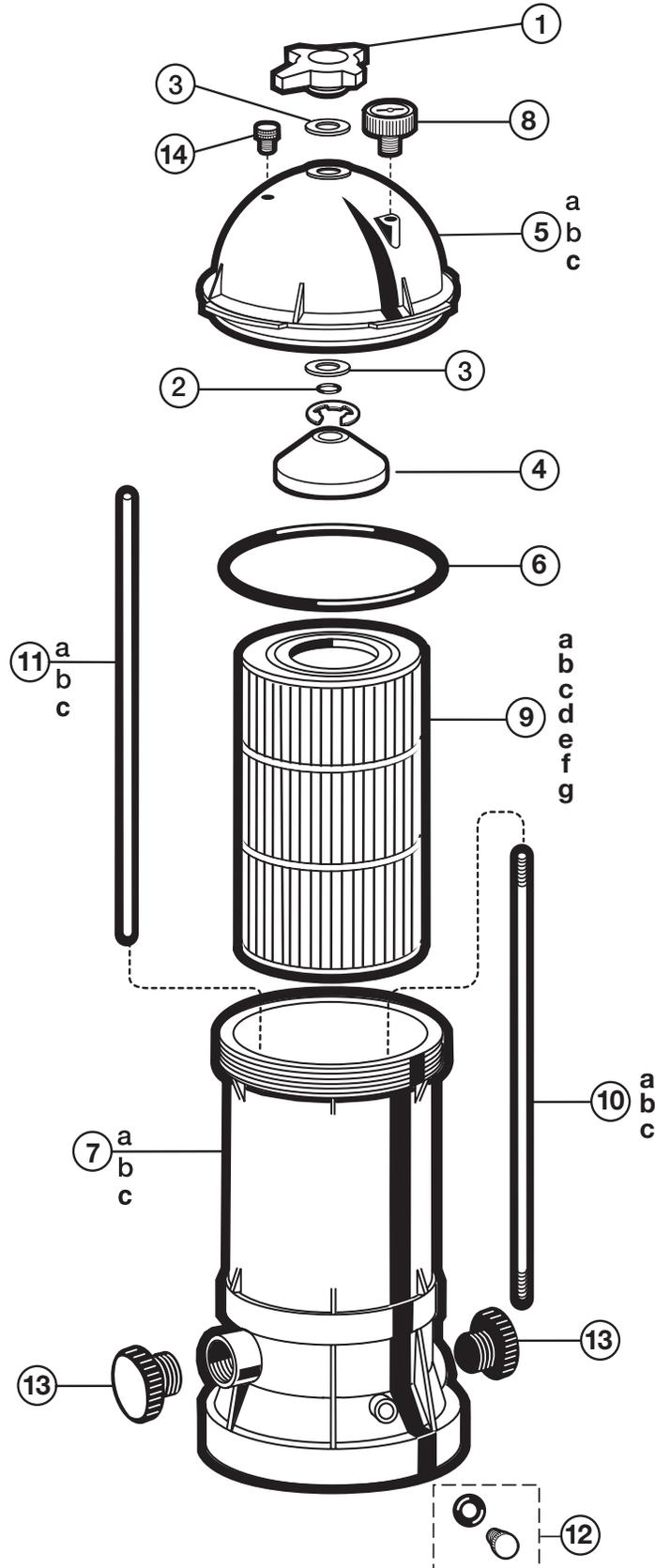
## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	ECX271261	Pressure Gauge	20
2	CCX1000L	Threaded Adapter for Pressure Gauge	50
3	CXRLV1001	Air Relief Assembly with O-Ring	20
4	CXGAR1001PAK2	O-Ring Kit <i>(set of 2)</i>	20
5	CCX1000N	Adapter Nut <i>(set of 2)</i>	50
6a	CX100B	Filter Head Assembly, C100S	1
6b	CX150B	Filter Head Assembly, C150S	1
6c	CX200B	Filter Head Assembly, C200S	1
7	CXLRL1001	Latch for Lock Ring	10
8	CXFHR1001	O-Ring for Filter Head	10
9a	CX100XRE	Cartridge Element C100S	1
9b	CX150XRE	Cartridge Element C150S	1
9c	CX200XRE	Cartridge Element C200S	1
10	CXFBA1001	Filter Body Assembly	1
11a	CXFDA100	Filter Diffuser Assembly C100S	1
11b	CXFDA150	Filter Diffuser Assembly C150S	1
11c	CXFDA200	Filter Diffuser Assembly C200S	1
12	SP1022CBLK	Drain Plug with O-Ring	100
13	SPX3200UNKIT	Union Connection Kit [2 each of Nuts, Connectors and Gaskets]	10
<b>OPTIONAL</b>			
—	SPX1500JS	Union Connector 1.5" Socket	25
—	SPX1500JT	Union Connector 1.5" FIP	—

# StarClear™ Plus

CARTRIDGE FILTER SERIES AND SEPARATION TANK REPLACEMENT PARTS

## Parts Diagram



Filters

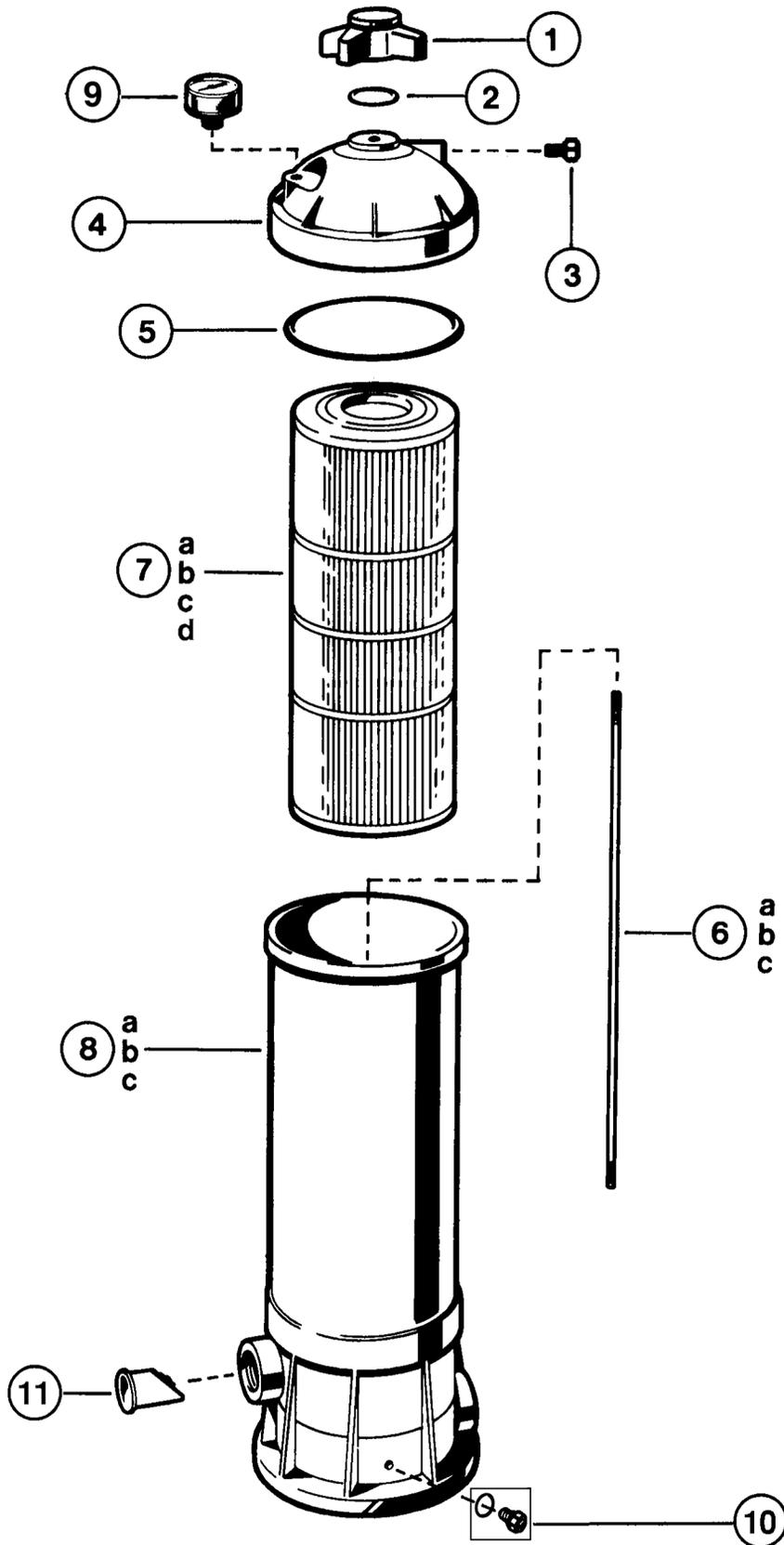
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	CX900G	Locking Knob (C751, C900, C1200, C1502 Series)	5
	CX900DA	Knob Accessory Kit (Includes Plastic Washers, O-Ring, Guide Cone and E-Clip)	20
	CX1750G	Locking Knob (C1750, C2002 Series)	5
2	CX900H	Knob O-Ring	50
3	CX900WPAK2	Knob Washer (set of 2)	25
4	CX900D	Guide Cone	10
5a	CX900B	Filter Head with Directional Vent Valve (C751, C900 Series)	1
5b	CX1200B	Filter Head with Directional Vent Valve (C1200, C1502 Series)	1
5c	CX1750B	Filter Head with Directional Vent Valve (C1750, C2002 Series)	1
6	CX900F	Filter Head O-Ring	50
7a	CX900AA	Filter Body – 1 1/2" FIP (C751, C900)	1
	CX900AA2	Filter Body – 2" FIP (C7512, C9002, C9002S)	1
7b	CX1200AA	Filter Body – 1 1/2" FIP (C1200)	—
	CX1200AA2	Filter Body – 2" FIP (C12002, C12002S, C1502)	—
7c	CX1750AA2	Filter Body – 2" FIP (C17502, C17502S, C2002)	1
8	ECX271261	Pressure Gauge	20
9a	CX760RE	Cartridge Element (C751 Series)	1
9b	CX900RE	Cartridge Element (C900 Series)	1
9c	CX1200RE	Cartridge Element (C1200 Series)	1
9d	CX1520RE	Cartridge Element (C1502 Series)	—
9e	CX2020RE	Cartridge Element (C2002 Series)	1
9f	CX1750RE	Cartridge Element (C1750 Series)	1
9g	CX1900RE	Cartridge Element (C1900 Series)	1
10a	CX800Z2	Tie Rod (C751, C900 Series)	1
10b	CX1100Z2	Tie Rod (C1200, C1502 Series)	1
10c	CX1750Z2	Tie Rod (C1750, C2002 Series)	1
11a	CX800Z4	Air Relief Tube (C751, C900 Series)	20
11b	CX1100Z4	Air Relief Tube (C1200, C1502 Series)	10
11c	CX1750Z4	Air Relief Tube (C1750, C2002 Series)	1
12	CX250Z14A	Drain Plug Kit (Includes Plug and O-Ring)	50
13	CX900K	2" PVC Socket Connector	20
14	ECX1322A	Directional Vent Valve with O-Ring	20
15	CX900J	E-Ring	20

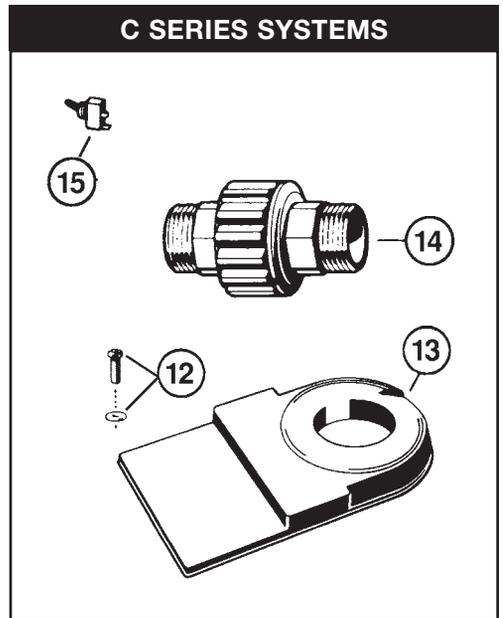
**D.E. SEPARATION TANK** Parts are same as C900 except replace cartridge element with option below.

—	CX900DB	D.E. Collector Bag Assembly (May 2004 and prior)	1
—	CX900DBA	D.E. Collector Bag Assembly (after May 2004)	1

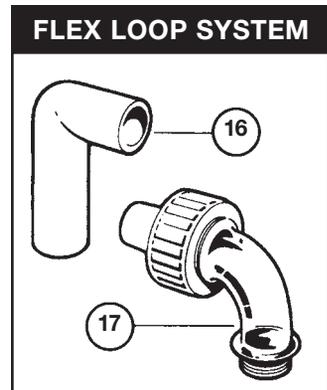
### Parts Diagram



### C SERIES SYSTEMS



### FLEX LOOP SYSTEM



Filters

### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	CX250G	Locking Knob	10
2	CX250Z7	O-Ring	20
3	ECX1322A	Directional Vent Valve with O-Ring	20
4	CX250C	Filter Head (Dome) with Air Relief Valve	4
5	CX250F	Filter Head Gasket	50
6a	CX250Z2S	Tie Rod (C250), 18 3/32"	1
6b	CX500Z2S	Tie Rod (C500), 28 3/32"	1
6c	CX750Z2S	Tie Rod (C750, C100), 38 1/16"	1
7a	CX250RE	Cartridge Element (C250)	1
7b	CX500RE	Cartridge Element (C500)	1
7c	CX750RE	Cartridge Element (C750)	1
7d	CX1000RE	Cartridge Element (C100)	1
8a	CX250AA1	Filter Body with Tie Rod Assembly (C250)	—
8b	CX500AA1	Filter Body with Tie Rod Assembly (C500)	—
8c	CX750AA1	Filter Body with Tie Rod Assembly (C750, C100)	1
9	ECX27091	Pressure Gauge, Back Mount	25
10	CX250Z14A	Drain Plug Kit	50
11	ECX4077B1	Check Valve (optional)	20

### C Series Systems

—	SPX1250WA	6 ft. Cord Set— No. 14/3 AWG	10
—	ECX1248	Cord Strain Relief	—
12	ECX1108A	Pump Mounting Screw with Washer	10
13	EC1161PAK	Platform Base with Screws – Low Profile	1
14	SP1480BLK	1 1/2" Male Union	50
15	ECX1325	Switch Assembly	10

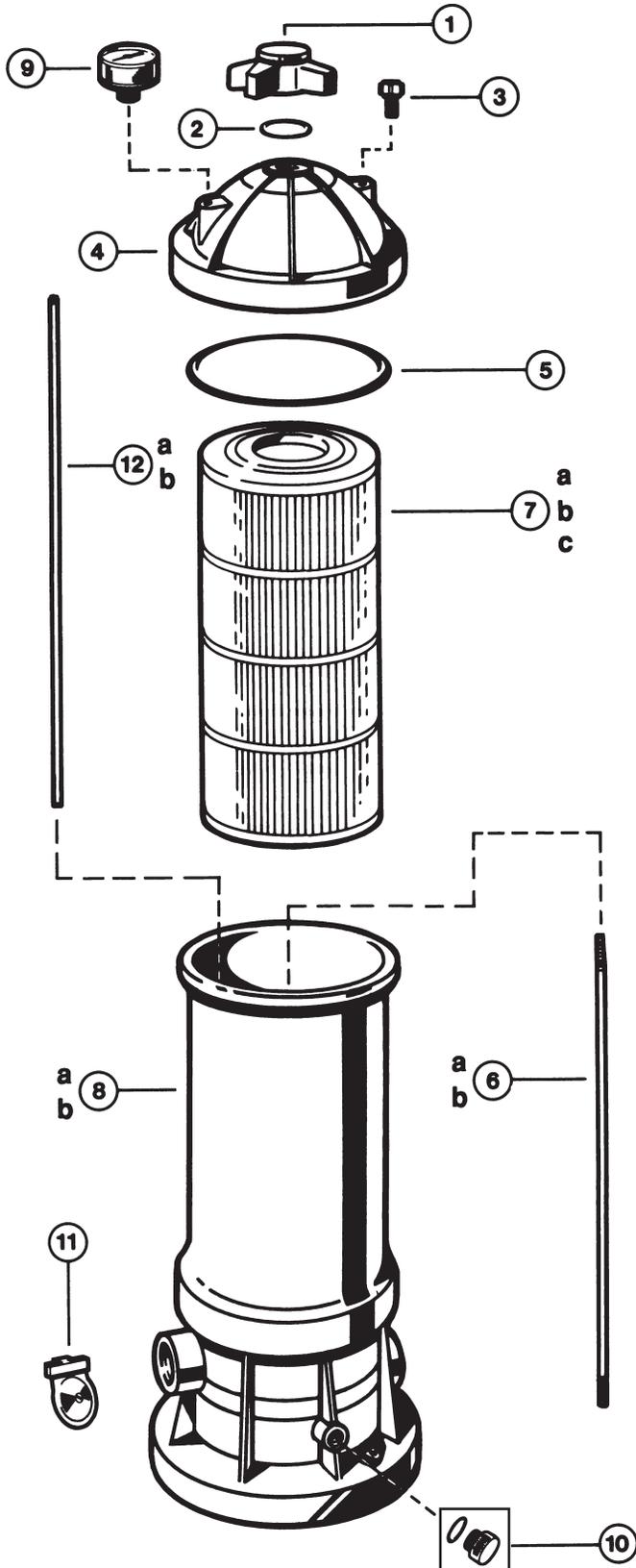
### Modular Flex Loop Systems

16	ECX1326A	Flex Loop Elbow	20
17	SPX14853	Sweep Elbow Union Assembly	20

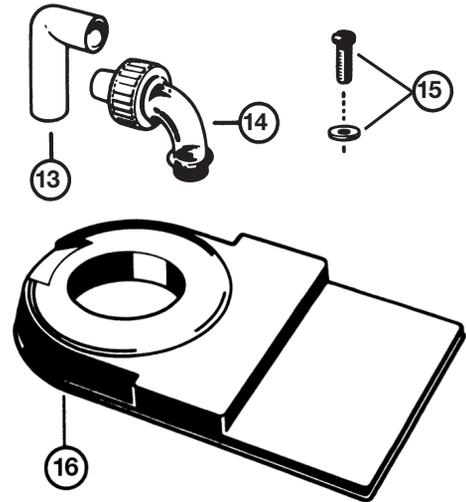
# StarClear II™

CARTRIDGE FILTER SERIES AND SEPARATION TANK REPLACEMENT PARTS

## Parts Diagram



## StarClear II SELECT-A-SYSTEMS



Filters

### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	CX800G	Locking Knob	—
2	CX250Z7	O-Ring	20
3	ECX1322A	Directional Vent Valve with O-Ring	20
4	CX800C	Filter Head (Cover) with Air Relief Valve	1
5	CX800F	Filter Head O-Ring	30
6a	CX800Z2	Tie Rod (C800)	1
6b	CX1100Z2	Tie Rod (C1100)	1
7a	CX800RE	Cartridge Element (C800)	1
7b	CX1100RE	Cartridge Element (C1100)	1
7c	CX800RE	Cartridge Element (C1500) – 2 Required	1
—	CX1500C	Cartridge Joiner (to join two C800RE cartridges in C1500 Filter)	5
8a	CX800AA*	Filter Tank Body – 1 ½" (C800)	—
8b	CX1500AA*	Filter Tank Body – 1 ½" (C1500)	—
9	ECX27091	Pressure Gauge	25
10	CX250Z14A	Drain Plug Kit (Includes Plug and O-Ring)	50
11	CX800HA	Check Valve Assembly (optional)	—
12a	CX800Z4	Auto Air Relief Tube (C800)	20
12b	CX1100Z4	Auto Air Relief Tube (C1100)	10
<b>Modular Selecta-Systems</b>			
13	ECX1326A	Flex Loop Elbow	20
14	SPX14853	Sweep Elbow Union Assembly	20
15	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit	10
16	EC1161PAK	Platform Base with Screws – Low Profile	1
<b>D.E. SEPARATION TANK</b> Parts are same as C1100 except replace cartridge element with bag below.			
—	CX1100DB	D.E. Collector Bag Assembly	—

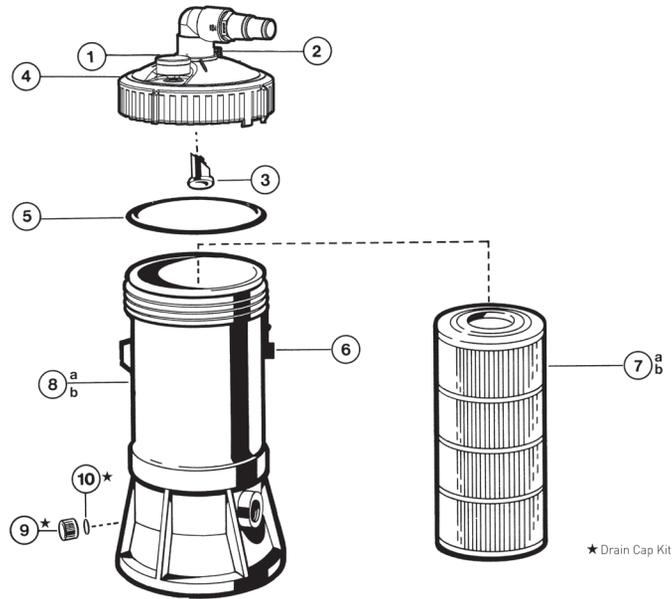
**NOTE:** \*1 ½" NPT ports are standard. Add suffix 2 to part number for 2" NPT ports or 2S for 2" socket connections.

# EasyClear™ & Micro StarClear™

## CARTRIDGE FILTER SERIES REPLACEMENT PARTS

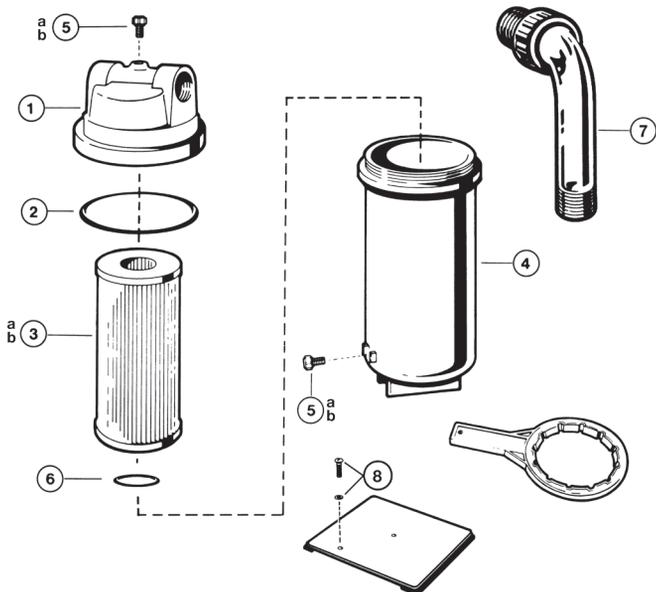
### Parts Diagram and Parts Listing

#### EasyClear



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
<b>EasyClear C400, 550 cartridge filter series replacement parts</b>				
1	ECX27091	Gauge	25	1
2	ECX1322A	Vent Valve with O-Ring	20	1
3	ECX4077B1	Check Valve	20	1
4	CX400BA	Filter Head (Cover) with Check Valve and Locking Ring	1	1
5	CX400G	Filter Head (Cover) O-Ring	10	1
6	CX400D	Locking Ring Latch	10	1
7a	CX410RE	Filter Element (40 sq. ft.)	1	1
7b	CX550RE	Filter Element (55 sq. ft.)	1	1
8a	CX400AA	Filter Body (C400)	1	1
8b	CX550AA	Filter Body (C550)	—	1
9	SX200Z8	Drain Cap	—	1
10	SX200Z9	Gasket	25	1
★	SX200Z8A	Drain Cap Kit (Includes #9 & 10)	50	1

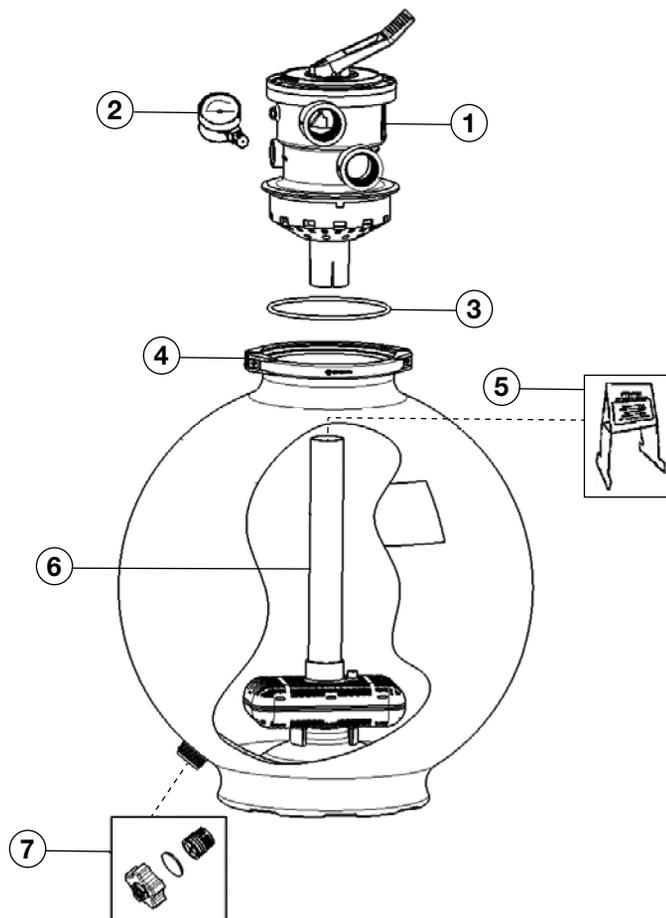
#### Micro StarClear



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
<b>Micro StarClear C120, C200, C225 cartridge filter series replacement parts</b>				
1	CX120AA	Filter Head with Vent Valve - 1 1/2" NPT	1	1
2	CX120D	O-Ring	100	1
3	CX225RE	Cartridge Element - 25 sq. ft. (C225)	1	1
4	CX120B	Filter Body Housing	1	1
5a	ECX1321A*	Air Relief Valve with O-Ring	—	2
5b	ECX1322A	Directional Vent Valve with O-Ring	20	1
—	CX250Z15	By-Pass Plug (Internal)	1	1
6	SPX1485C	Gasket	25	1
7	SPX1485BPAK	Threaded Elbow Union Assembly	10	1
—	S200KT	Wrench Tool for Body Housing (optional)	10	10
8	ECX1108A	Pump Mounting Screw with Washer	10	2

**NOTE:** \*Replace with ECX1322A.

### Parts Diagram and Parts Listing

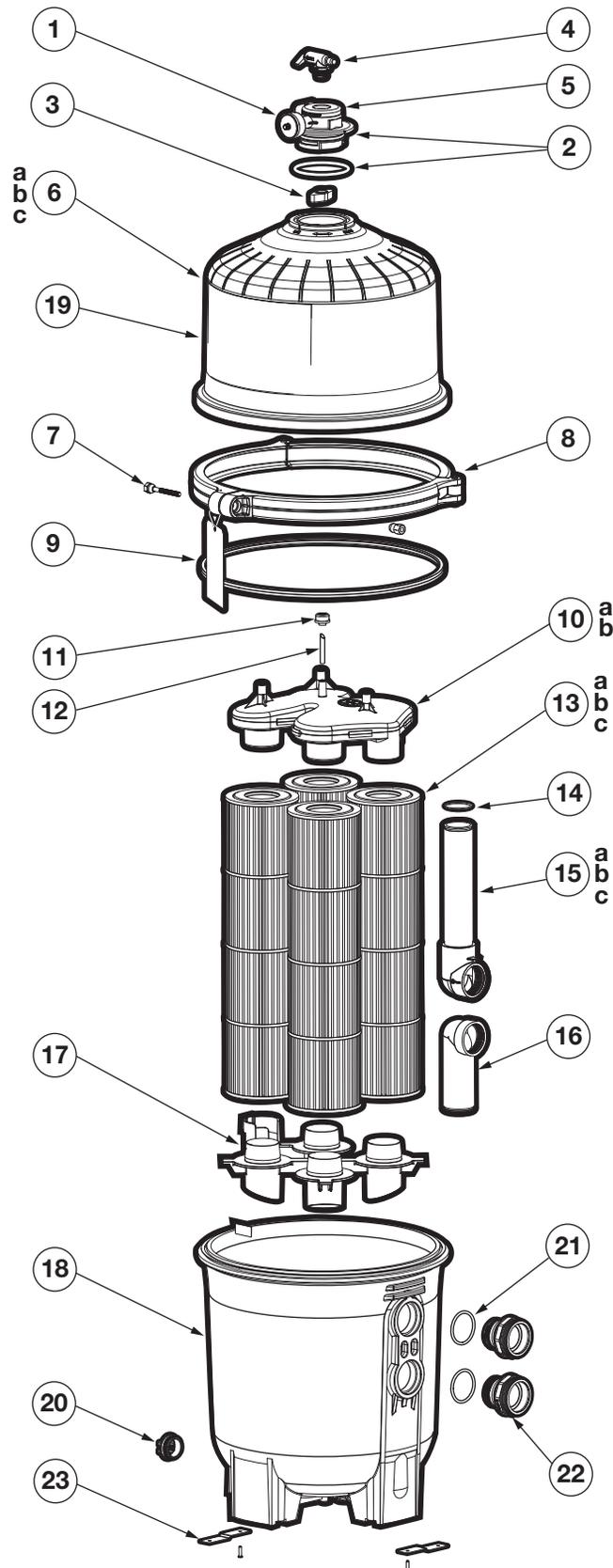


Ref. No.	Part No.	Description	Ctn. Qty.
1	SP0714T	Multiport Valve	1
2	ECX271261	Pressure Gauge	1
3	GMX600F	Valve O-Ring	1
4	GMX600NM	Clamp Assembly	1
5	SCN202S	Sand Shield	1
6a	SWX210DA	Underdrain Assembly VL210T	1
6b	SWX240DA	Underdrain Assembly VL240T, VL270T	1
7	SX180LA	Drain Cap and Gasket	1

# DEP 500 Series

## PLEATED ELEMENT D.E. FILTER REPLACEMENT PARTS

### Parts Diagram



Filters

# DEP 500 Series

## PLEATED ELEMENT D.E. FILTER REPLACEMENT PARTS

### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	ECX2712B1	Pressure Gauge	20
2	DEX2420Z8A	O-Ring Kit <i>(set of 2)</i>	10
3	CCX1000N	Air Relief Valve Nut	50
4	CCX1000V	Manual Air Relief with O-Ring	50
5	DEX2420MAR2	Manual Air Relief Assembly	1
6a	DEX3620BTC	Upper Filter Body DEP60	1
6b	DEX4820BTC	Upper Filter Body DEP80	1
6c	DEX6020BTC	Upper Filter Body DEP100	1
7	DEX2421J2	Clamp Bolt and Nut	10
8	DEX2421JKIT	Clamp System Including: Clamp, Clamp Nut and Bolt, Hang Tag, Metal Reinforced Seal, and Labels	1
9	DEX2422Z2	Metal Reinforced Seal	1
10a	CX3030C	Top Manifold	1
10b	CX5030C	Top Manifold, DEP100	1
11	CX3000J1	Air Relief Filter	150
12	CX2030Z3	Air Relief Tube	10
13a	DEX150E	Cartridge Element DEP60 (1 of 4 required)	1
	DEX150EPAK4	Cartridge DEP60 <i>(4 pack)</i>	1
13b	DEX200E	Cartridge Element DEP80 (1 of 4 required)	1
	DEX200EPAK4	Cartridge DEP80 <i>(4 pack)</i>	1
13c	DEX250E	Cartridge Element DEP100 (1 of 4 required)	1
	DEX250EPAK4	Cartridge DEP100 <i>(4 pack)</i>	1
14	DEX2400Z5	O-Ring	10
15a	DEX60EA	Outlet Elbow Assembly DEP60	5
15b	DEX80EA	Outlet Elbow Assembly DEP80	5
15c	DEX100EA	Outlet Elbow Assembly DEP100	4
16	CX3020FB	Inlet Elbow	5
17	CX3030D	Bottom Seal Plate	1
18	DEX2420ATC	Lower Filter Body	1
19	DEX6040LA6PAK	Label Pack: Includes all Warning and Operation Labels, Hang Tag, Wire Tie, and Owner's Manual	—
20	SP1022CBLK	1 1/2" Drain Plug with O-Ring	100
21	SX220Z2	O-Ring	10
22	DEX2420F	Bulkhead Fitting	25
23	DEX2420DCKIT	Strap Kit (optional)	25



## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	CCX1000V	Manual Air Relief Valve with O-Ring	50	1
2	DEX2420MAR2	Manual Air Relief Assembly	1	1
3	ECX2712B1	Pressure Gauge	20	1
4	DEX2420Z8A	O-Ring Kit (set of 2)	10	1
5	CCX1000N	Manual Air Relief Valve Nut	50	1
6a	DEX2420BTC	Filter Head (DE2420)	1	1
6b	DEX3620BTC	Filter Head with Clamp (DE3620)	1	1
6c	DEX4820BTC	Filter Head with Clamp (DE4820)	1	1
6d	DEX6020BTC	Filter Head with Clamp (DE6020)	1	1
6e	DEX7220BTC	Filter Head (DE7220)	1	1
7	DEX2420LA6PAK	Label Pack (Includes all warning and operation labels, hang tag (#10), wire tie and owner's manual)	10	1
8	DEX2421JKIT	Clamp System including: Clamp, Clamp Nut and Bolt, Warning Hang Tag, Metal Reinforced Seal and Labels	1	1
9	DEX2421J2*	Clamp Bolt and Nut	10	1
10	DEX2422Z2*	Metal Reinforced Seal	1	1
11	ECX176865	Retainer Nut, 5/16" – 18	25	1
12	ECX1109	Washer, 5/16" [2 required]	10	2
13	DEX2400C	Top Collector Manifold with Flex Air Relief Assembly	1	1
14a	DEX2400R	Retainer Rod (DE2420)	5	1
14b	DEX3600R	Retainer Rod (DE3620)	5	1
14c	DEX4800R	Retainer Rod (DE4820)	5	1
14d	DEX6000R	Retainer Rod (DE6020)	5	1
14e	DEX7200R	Retainer Rod (DE7220)	5	1
15	DEX2400CR	Flex Air Relief Assembly	50	1
16	DEX2400Z5	Outlet Elbow O-Ring	10	1
17a	DEX2420EA	Outlet Elbow Assembly with O-Ring (DE2420)	5	1
17b	DEX3620EA	Outlet Elbow Assembly with O-Ring (DE3620)	10	1
17c	DEX4820EA	Outlet Elbow Assembly with O-Ring (DE4820)	5	1
17d	DEX6020EA	Outlet Elbow Assembly with O-Ring (DE6020)	5	1
17e	DEX7220EA	Outlet Elbow Assembly with O-Ring (DE7220)	10	1
18a	DEX2420DC	Filter Element Cluster Assembly (DE2420)	1	1
18b	DEX3600DC**	Filter Element Cluster Assembly (DE3620)	1	1
18c	DEX4800DC**	Filter Element Cluster Assembly (DE4820)	1	1
18d	DEX6000DC**	Filter Element Cluster Assembly (DE6020)	1	1
18e	DEX7200DC**	Filter Element Cluster Assembly (DE7220)	1	1
19a	DEX2400DA	Filter Element (DE2420)	10	7
19b	DEX3600DA	Filter Element (DE3620)	10	7
19c	DEX4800DA	Filter Element (DE4820)	10	7
19d	DEX6000DA	Filter Element (DE6020)	10	7
19e	DEX7200DA	Filter Element (DE7220)	10	7
20a	DEX2400DS	Filter Element – Short (DE2420)	10	1
20b	DEX3600DS	Filter Element – Short (DE3620)	10	1
20c	DEX4800DS	Filter Element – Short (DE4820)	10	1
20d	DEX6000DS	Filter Element – Short (DE6020)	10	1
20e	DEX7200DS	Filter Element – Short (DE7220)	10	1
21	DEX2420GA	Inlet Elbow	5	1
22	DEX2420T	Element Spacer (DE2420 only)	5	1
23	DEX2400H	Filter Element Locator	1	1
24	SX220Z2	Bulkhead O-Ring [2 required]	10	2
25	DEX2420F	Bulkhead Fitting [2 required]	25	2
26	DEX2420ATC	Filter Body with Clamp	1	1
27	SP1022CBLK	1 1/2" Drain Plug with O-Ring	100	1
28	DEX2420DCKIT	Strap Kit: 2 Straps, 2 Screws (optional)	25	1
29	SX200Z4PAK2	Valve/Union O-Ring (set of 2)	25	1
30a	SP0740DE	Selecta-Flo™ Valve Assembly – 2" SKT	1	1
30b	SP0710XR50	Vari-Flo™ Valve Assembly – 1 1/2" NPT	1	1
30c	SP0715XR50	Vari-Flo Valve Assembly – 2" NPT	1	1
31	SP0410X502S	Slide Valve Assembly – 2" SKT	1	1

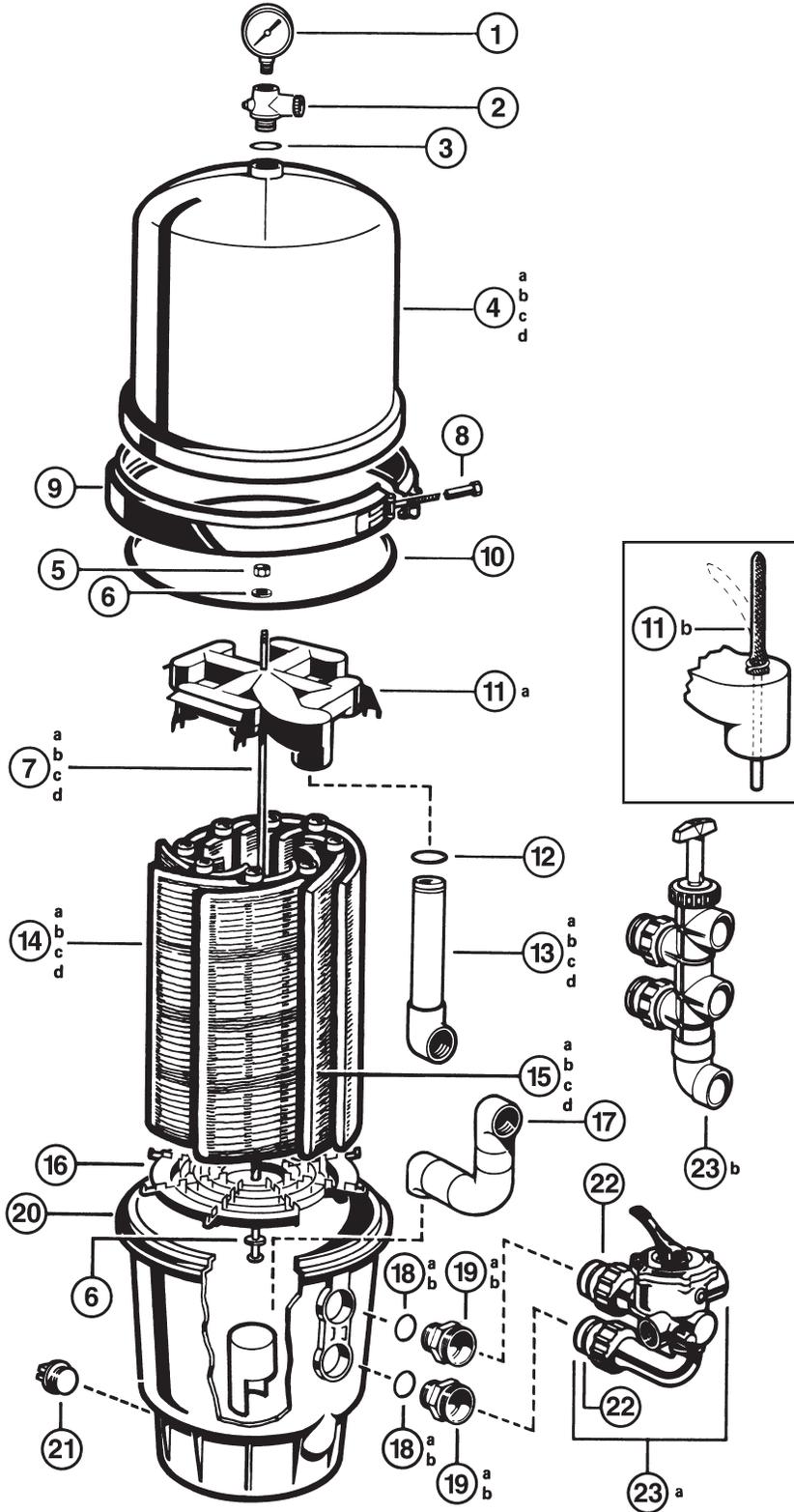
**NOTES:** \*Compatible only with DEX2421JKIT clamp system for Hayward ProGrid D.E. and SwimClear cartridge filters.

\*\*Assembled set of filter elements, manifold flex air relief, retainer rod and element locator.

# MicroClear™

## VERTICAL GRID D.E. FILTER SERIES REPLACEMENT PARTS

### Parts Diagram



Filters

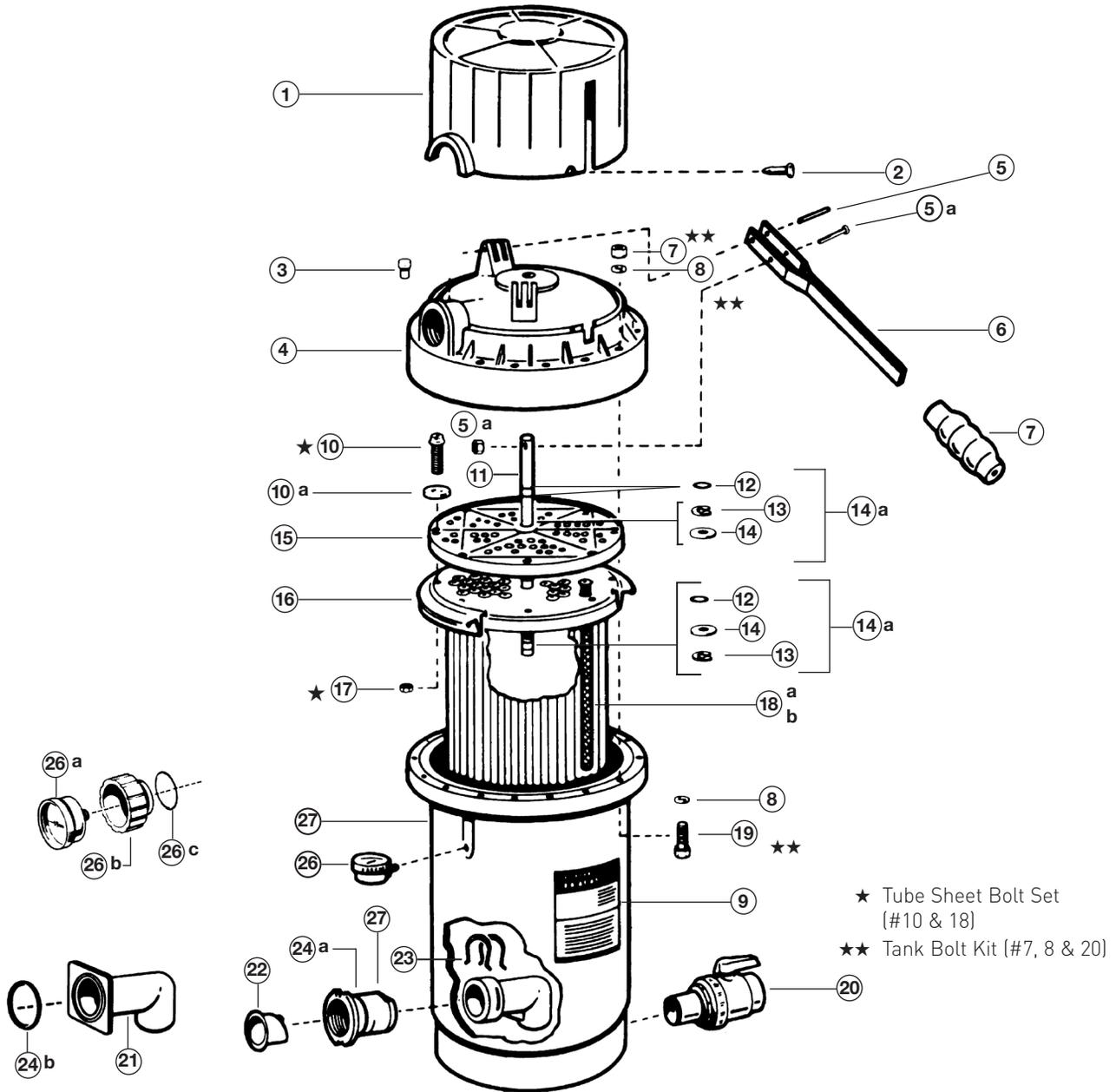
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	ECX270861	Pressure Gauge	50	1
2	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1
—	DEX2400Z3A	O-Ring for Relief Valve Stem	100	1
3	SX200Z5	Relief Valve Assembly O-Ring	50	1
4a	DEX2400BT	Filter Head (DE2400)	—	—
4b	DEX3600BT	Filter Head (DE3600)	—	—
4c	DEX4800BT	Filter Head (DE4800)	—	—
4d	DEX6000BT	Filter Head (DE6000)	—	—
5	ECX176865	Retainer Nut, 5/16" – 18	25	1
6	ECX1109	Washer, 5/16"	10	2
7a	DEX2400R	Retainer Rod (DE2400)	5	1
7b	DEX3600R	Retainer Rod (DE3600)	5	1
7c	DEX4800R	Retainer Rod (DE4800)	5	1
7d	DEX6000R	Retainer Rod (DE6000)	5	1
8	DEX2400JN	Brass Sleeve Nut, 5/16" – 24	—	—
9	DEX2400J	Clamp Assembly with Spring Assemblies	—	—
10	DEX2400K	Filter Tank O-Ring	—	—
11a	DEX2400C	Top Collector Manifold with Flex Air Relief	1	1
11b	DEX2400CR	Flex Air Relief Assembly	50	1
12	DEX2400Z5	Outlet Elbow O-Ring	10	1
13a	DEX2400EAB	Outlet Elbow Assembly (DE2400)	—	—
13b	DEX3600EAB	Outlet Elbow Assembly (DE3600)	—	—
13c	DEX4800EAB	Outlet Elbow Assembly (DE4800)	—	—
13d	DEX6000EAB	Outlet Elbow Assembly (DE6000)	—	—
14a	DEX2400DA	Filter Element (DE2400)	10	7
14b	DEX3600DA	Filter Element (DE3600)	10	7
14c	DEX4800DA	Filter Element (DE4800)	10	7
14d	DEX6000DA	Filter Element (DE6000)	10	7
15a	DEX2400DS	Filter Element – Short (DE2400)	10	1
15b	DEX3600DS	Filter Element – Short (DE3600)	10	1
15c	DEX4800DS	Filter Element – Short (DE4800)	10	1
15d	DEX6000DS	Filter Element – Short (DE6000)	10	1
16	DEX2400H	Filter Element Locator	1	1
17	DEX2400GAB	Inlet Elbow Assembly	—	—
18a	SX200Z3	O-Ring (1995 and prior)	50	2
18b	SX360Z1	O-Ring (1996- )	25	2
19a	DEX360F	Bulkhead Fitting	—	—
19b	DEX360FB	Buttress Thread Bulkhead Fitting	—	—
20	DEX2400A1T	Filter Body	—	—
21	SP1022CBLK	1 1/2" Drain Plug with O-Ring	100	1
22	SX200Z4PAK2	Valve/Union O-Ring	25	1
23a	SP0710XR50	Vari-Flo Valve Assembly – 1 1/2" NPT	1	1
—	SP0715XR50	Vari-Flo Valve Assembly – 2" NPT	1	1
—	SP0740DE	Selecta-Flo Valve Assembly – 2" SKT	1	1
23b	SP0410X502S	Slide Valve Assembly – 2" SKT	1	1
—	DEX2400DC*	Filter Element Cluster Assembly (DE2400)	1	1
—	DEX3600DC*	Filter Element Cluster Assembly (DE3600)	1	1
—	DEX4800DC*	Filter Element Cluster Assembly (DE4800)	1	1
—	DEX6000DC*	Filter Element Cluster Assembly (DE6000)	1	1

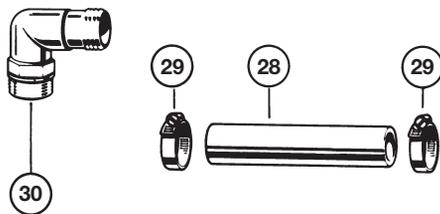
**NOTE:** \*Assembled set of filter elements, manifold, flex air relief, retainer rod and element locator.

### Parts Diagram

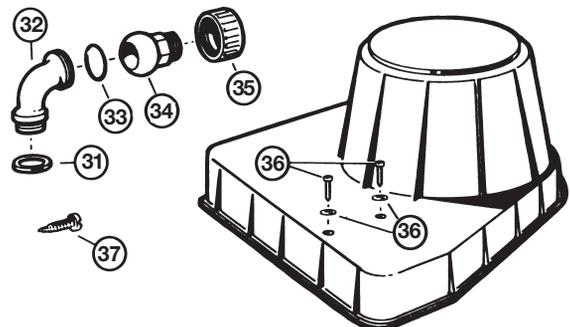
Filters



### SERIES EC65 - STANDARD



### SERIES EC65 SYSTEM III



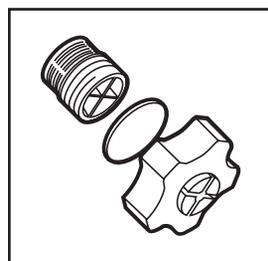
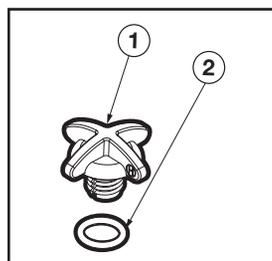
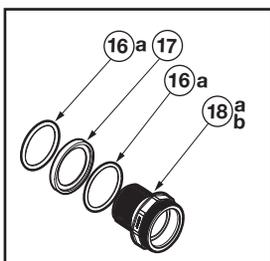
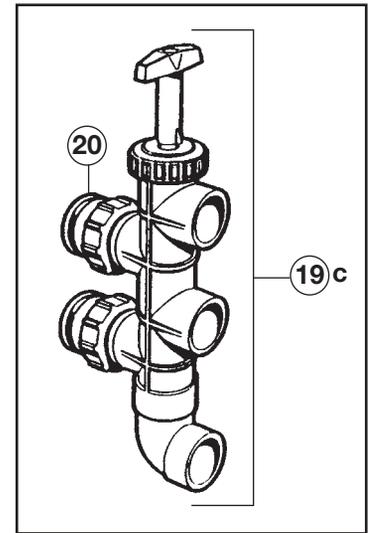
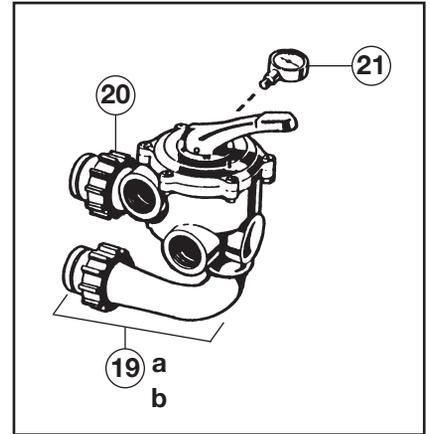
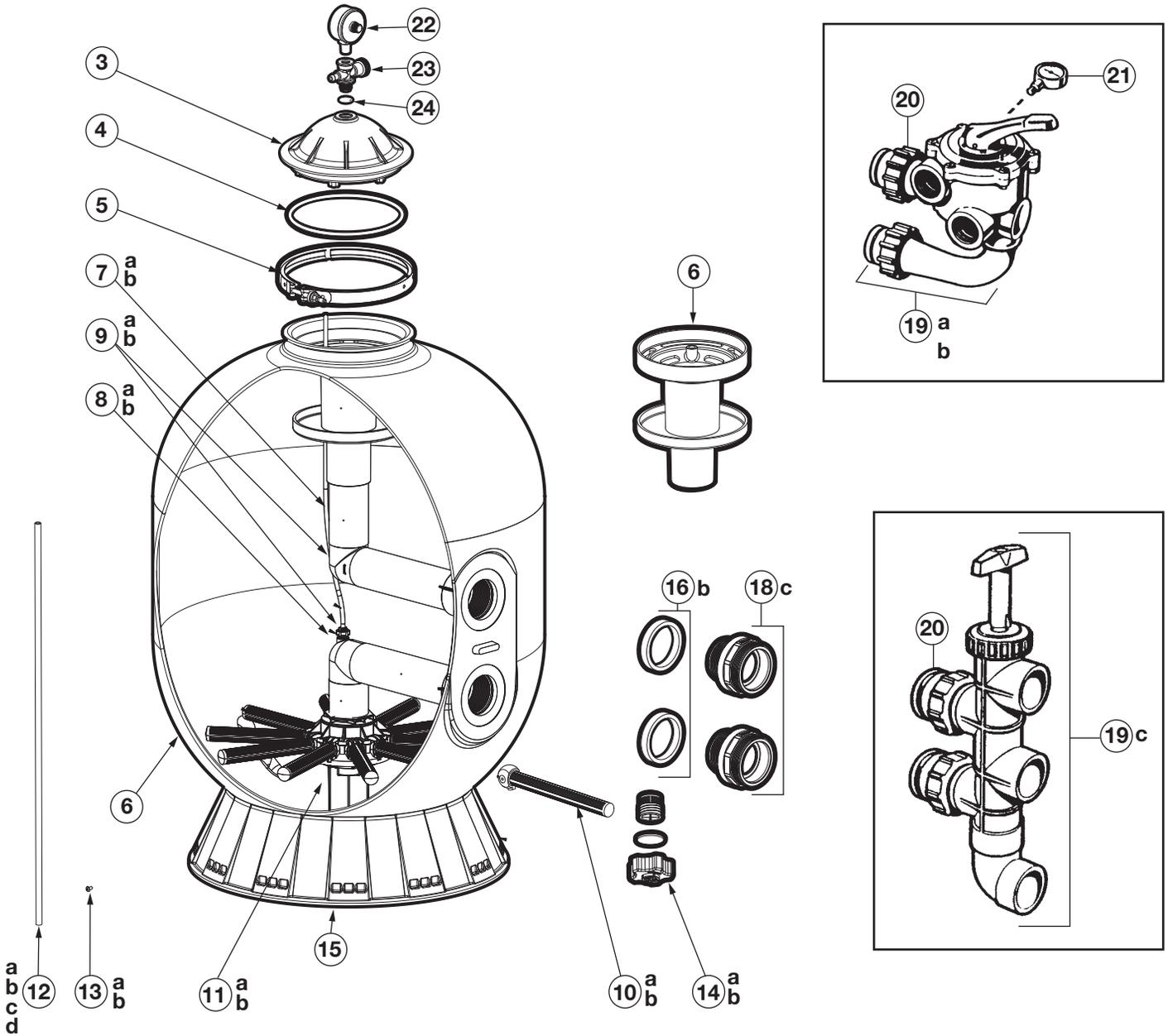
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	ECX11206	Bump Mechanism Cover	1	1
2	ECX1019	Cover Screw (1981 and prior) – Not Available	—	1
3	ECX1322A	Vent Valve (Threaded) with O-Ring	20	1
4	ECX11194AT	Filter Head with New Vent Valve	1	1
5	ECX100Z9	Roll Pin	50	2
5a	ECX4236A	Bump Screw Kit	0	1
6	ECX1040	Bump Handle Assembly (Includes Pin, Shoulder Screw, Nut)	5	1
—	ECX1037B	Bump Handle Grip	—	1
7	ECX1642A	Tank Bolt Set	20	15
8	ECX1077	1/4" x 1 1/16" O.D. Flat Washer	50	30
9	ECX1230	Decal – Operation	—	1
10	SPX1500N1	Tube Sheet Screw	50	16
10a	ECX1641125	Flat Washer (1989 and prior)	25	16
11	ECX1110	Bump Shaft	25	1
12	ECX9611246PAK3	Shaft O-Ring Kit (set of 3)	25	1
13	ECX1014PAK2	Retainer Clip (set of 2)	25	1
14	ECX1011	Thrust Washer	25	2
14a	ECX1014A	Shaft Kit (Includes #12, 13 and 14)	25	1
15	ECX11034SET	Tube Sheet Set (Top and Bottom)	10	1
16	ECX1105	Diaphragm Gasket	10	1
17	SPX1500Y1	Tube Sheet Nut	50	16
18a	ECX1031PAK5	EC65 Flex Tube 13 3/8" Long (set of 5)	10	12
18b	ECX1032PAK10	EC75 Flex Tube 16 1/4" Long (set of 10)	10	24
19	ECX1642215	1/4" – 20 x 1 3/4" Hex. Head Bolt	25	15
20	SP0723	Ball-Type Drain Valve	24	1
21	ECX4220A	Elbow Assembly with Check Valve	10	1
22	ECX4077B1	Check Valve	20	1
23	ECX4212A	Retainer Clip (1989 and prior)	10	2
24a	SPX1425Z6	O-Ring (1989 and prior)	25	1
24b	SPX1500W	O-Ring (1990)	50	1
25	ECX4201CA	Inlet Fitting with ECX4077B1 Check Valve	10	1
26	ECX2712B1	Pressure Gauge	20	1
26a	ECX27091	Pressure Gauge, Back Mount	25	1
26b	ECX12866	Gauge/Port Adapter	10	1
26c	ECX1287	Adapter O-Ring	25	1
27	ECX11184AT	Filter Body with new Elbow Assembly	1	1
★	SPX1500NYA	Tube Sheet Bolt Set (Includes #10 and 18)	50	1
★★	ECX1642A	Tank Bolt Kit [EC65, 75 – Includes #7, 8 and 20]	20	15
—	ECX1251	Flex-Tube Nest [EC65 – Includes Items 10 thru 19]	1	—
—	ECX125175	Flex-Tube Nest [EC75 – Includes Items 10 thru 19]	1	—
<b>Series EC65 – Standard</b>				
28	ECX27071	1 9/16" I.D. Clear Hose	2	1
29	ECX18028	Hose Clamp	25	2
30	SPX1105Z4	1 1/2" Elbow Hose Adapter	50	2
<b>Series EC65 System III</b>				
31	SPX1485C	Gasket	25	1
32	SPX1485B	Pump Discharge Elbow	10	1
33	SPX1425Z6	O-Ring	25	1
34	SPX1485A	Union Ball End	10	1
35	SPX1480C	Union Nut	10	1
36	ECX1161Z2	Pump Mounting Screw Set	10	2
37	SPX1600Z52	Anchor Screw (package of 2)	1	2

# ProSeries™ Plus

S311SX, S311SXV, S360SX SAND FILTER SERIES REPLACEMENT PARTS

## Parts Diagram



Drain Cap Kit

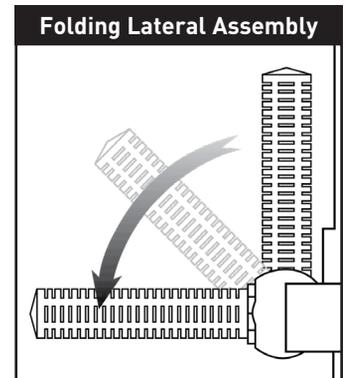


Diagram A

Filters

### Parts Listing

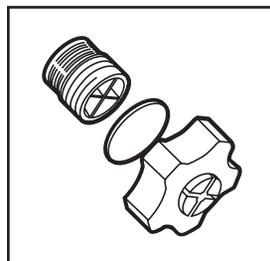
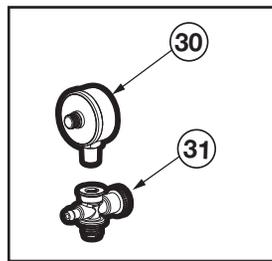
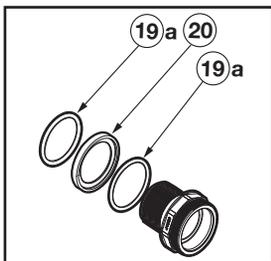
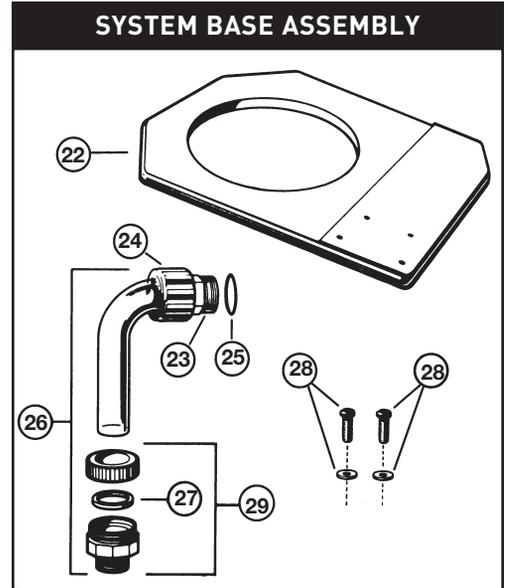
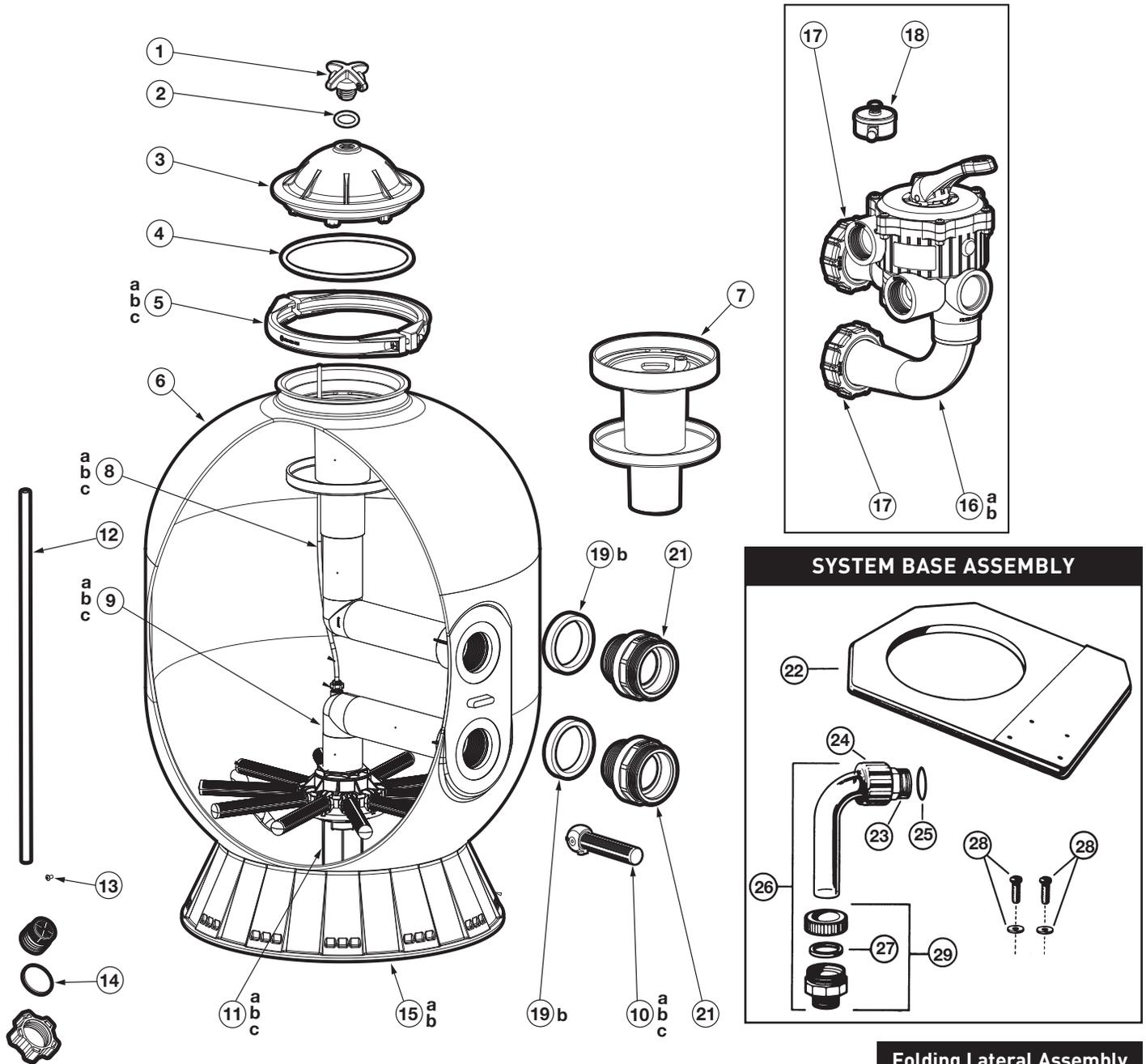
Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	SX200G	Manual Air Relief	10	1
2	SX200Z5	O-Ring	50	1
3	SX244K	Top Closure Dome	5	1
4	GMX600F	Tank O-Ring	100	1
5	SX310N	Flange Clamp	5	1
6	SX244GS	Top Diffuser Assembly	5	1
7a	SX311CD1FWS	Top Elbow Assembly (S311)	1	1
7b	SX360CD1FWS	Top Elbow Assembly (S360)	1	1
8a	SX311CD2FWS	Bottom Elbow Assembly (S311)	1	1
8b	SX360CDFWS	Bottom Elbow Assembly (S360) with Air Tube	1	1
9a	SX311MAS	Filter Internals Retrofit Kit (S311 before 07/24)	1	1
9b	SX360MAS	Filter Internals Retrofit Kit (S360 before 07/24)	1	1
10a	SX310HNRPAK10	Pivot/Ball Lateral <i>(set of 10)</i>	10	1
10b	SX310HAPAK10	Threaded Lateral <i>(set of 10)</i>	10	1
11a	SX311DAS	Folding Lateral Assembly (S311) (See Diagram A)	1	1
11b	SX242MA3S	Folding Lateral Assembly (S360) (See Diagram A)	1	1
12a	SX1100Z4	Air Tube (S311 before 07/24)	1	1
12b	SX311AT	Air Tube (S311) (S311 before 07/24)	10	1
12c	SX360Z2	Air Tube (S360 before 07/24)	1	1
12d	SX360AT	Air Tube (S360 after 07/24)	1	1
13a	SX200Z2	Air Tube Lock Screw	10	1
13b	X1010574	Air Tube Nut (S311 and S360 after 07/24)	10	1
14a	SX180HG	Drain Cap Kit (2005 and prior)	25	1
—	SX200H	Bottom Drain Screen (2005 and prior)	10	1
14b	SX180LA	Drain Cap Kit (See Diagram)	25	1
15	SX310J	Filter Support Stand	1	1
16a	SX360Z1	O-Ring (S311, S360 – after 1995)	25	4
16b	SX244Z1	Square Seal	25	2
17	SX360E	O-Ring Spacer (S311, S360 – after 1995)	10	2
18a	SX244P	Bulkhead Fitting (S311 after 1996, S360 after 1999) Replaced by SX244PX	10	2
18b	SX311F	Bulkhead Fitting (S360) (1999 and prior)	10	2
18c	SX244PX	Bulkhead Fitting with Seal	10	2
19a	SP0710X62	Vari-Flo Valve Assembly – 1 1/2" FIP	1	1
19b	SP0715X62	Vari-Flo Valve Assembly – 2" FIP	1	1
19c	SP0410X602S	Slide Valve Assembly – 2" SKT	1	1
20	SX200Z4PAK2	Valve/Union O-Ring <i>(set of 2)</i>	25	1
21	ECX270861	Pressure Gauge	50	1
<b>Optional (Supplied with Model S311SXV Slide Valve Unit Only)</b>				
22	ECX270861	Pressure Gauge	50	1
23	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1
—	DEX2400Z3A	O-Ring for Relief Valve Stem <i>(set of 3)</i>	100	1
24	SX200Z5	O-Ring	50	1

# ProSeries™

## S210S, S244S, S310S SAND FILTER SERIES REPLACEMENT PARTS

### Parts Diagram

Filters



Drain Cap Kit

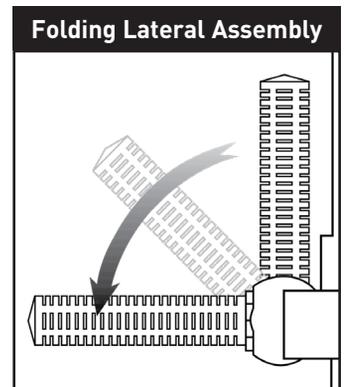


Diagram A

## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	SX200G	Manual Air Relief	10	1
2	SX200Z5	O-Ring	50	1
3	SX244K	Top Closure Dome	5	1
4	GMX600F	Tank O-Ring	100	1
5a	GMX600NM	Flange Clamp (S210S, S244S)	20	1
5b	SX310N	Flange Clamp (S310S)	5	1
6	SX244AA2FW	S244S Filter Tank with Drain Cap and Base	1	1
7	SX244GS	Top Diffuser Assembly	5	1
8a	SX210CD1FW	Top Elbow Assembly, S210S	1	1
8b	SX244CD1FWS	Top Elbow Assembly, S244S	1	1
8c	SX310CD1FWS	Top Elbow Assembly, S310S	1	1
9a	SX210CD2FW	Bottom Elbow Assembly, S210S	5	1
9b	SX244CD2FWS	Bottom Elbow Assembly, S244S	1	1
9c	SX310CD2FWS	Bottom Elbow Assembly, S310S	1	1
10a	SX200QNRPAK10	S210S Pivot/Ball Lateral (set of 10)	10	1
10b	SX240DNRPAK10	S244S Pivot/Ball Lateral (set of 10)	10	1
10c	SX310HNRPAK10	S310S Pivot/Ball Lateral (set of 10)	10	1
11a	SX242MA	Folding Umbrella Lateral Holder Assembly (S210S, 1997- ) See Diagram A	1	1
11b	SX242MA1S	Folding Umbrella Lateral Holder Assembly (S244S, 1999- ) See Diagram A	1	1
11c	SX242MA2S	Folding Umbrella Lateral Holder Assembly (S310S, 1999- ) See Diagram A	1	1
12	SX200Z1	Plastic Air Tube (S310S)	1	1
13	SX200Z2	Air Tube Lock Screw	10	1
14a	SX180HG	Drain Cap Kit (2005 and prior)	25	1
—	SX200H	Bottom Drain Screen (2005 and prior)	10	1
14b	SX180LA	Drain Cap Kit (See Diagram)	25	1
15a	SX200J	Filter Support Stand (S210S, S244S)	1	1
15b	SX310J	Filter Support Stand (S310S)	1	1
16a	SP0710X62	Vari-Flo Valve Assembly – 1 1/2" FIP	1	1
16b	SP0715X62	Vari-Flo Valve Assembly – 2" FIP	1	1
17	SX200Z4PAK2	Valve/Union O-Ring (set of 2)	25	1
18	ECX270861	Pressure Gauge	50	1
19a	SX360Z1	O-Ring	25	4
19b	SX244Z1	Square Seal	25	2
20	SX360E	O-Ring Spacer (after 1995)	10	2
21	SX244PX	Bulkhead Fitting with Seal	10	2
<b>S200PAK 3 System Base</b>				
22	ECX1291	Standard Pump/Filter Mounting Base	1	1
23	SPX1480A	Union Ball End	10	1
24	SPX1480C	Union Nut	10	1
25	SPX1425Z6	O-Ring	25	1
26	SPX1485B3	Union Elbow with Compression Assembly	10	1
27	SPX1485G	Compression Gasket	1	1
28	ECX1161Z2	Mounting Screw Set with Washers	10	2
29	SPX1485DA	Compression Fitting with Gasket	25	1
<b>Optional</b>				
30	ECX270861	Pressure Gauge	50	1
31	DEX2400S	Relief Valve/Gauge Adapter Assembly	100	1

# ProSeries™

(W3)S180T, (W3)S210T, (W3)S220T, S220T2, S230T, (W3)S244T, (W3)S244T2, (W3)S270T SAND FILTER SERIES REPLACEMENT PARTS

## Parts Diagram

Filters

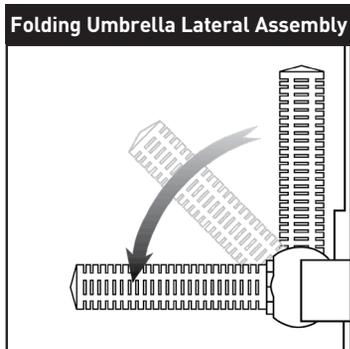
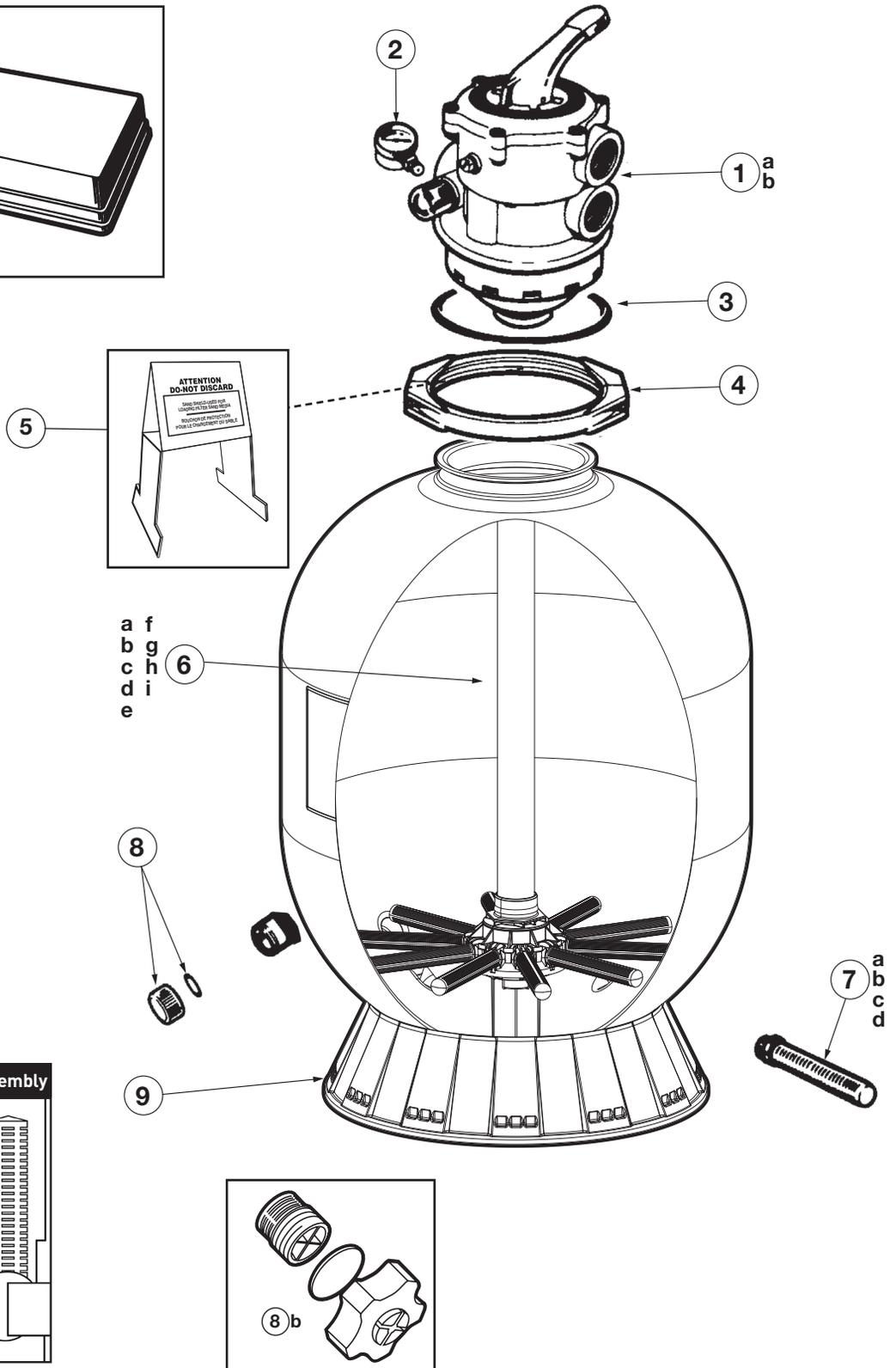
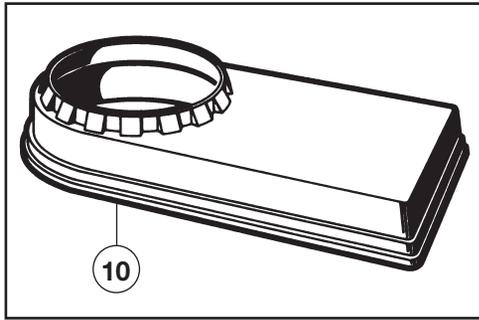


Diagram A

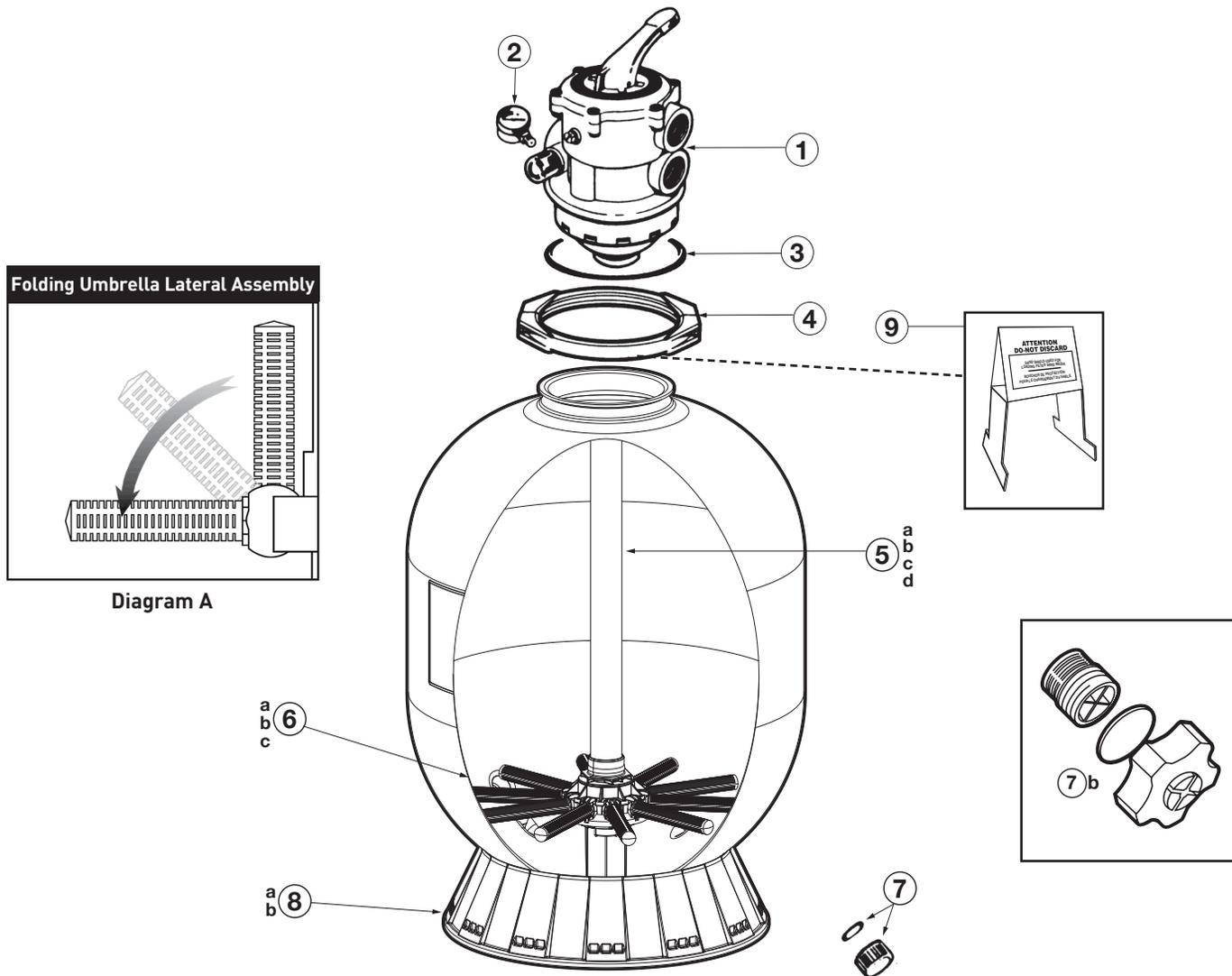
## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1a	SP0714T	Vari-Flo XL Control Valve – 1 1/2"	1	1
1b	SP071620T	Vari-Flo XL Control Valve – 2"	1	1
2	ECX270861	Pressure Gauge	50	1
3	GMX600F	Valve/Tank O-Ring	100	1
4	GMX600NM	Flange Clamp	20	1
5	SX202S	Sand Shield – 2004 Corrugated Design	25	1
6a	SX180DAS	Folding Lateral Assembly with Center Pipe (S180T) (1997- )	1	1
6b	SX210DAS	Folding Lateral Assembly with Center Pipe (S210T) (1997- )	1	1
6c	SX210DA2S	Lateral Assembly with Center Pipe (S210T2) (1997- )	1	1
6d	SX244DAS	Folding Lateral Assembly with Center Pipe (S220T) (1997- )	1	1
6e	SX220DA2S	Folding Lateral Assembly with Center Pipe (S220T2) (1997- )	1	1
6f	SX230DA	Folding Lateral Assembly with Center Pipe (S230T) (2003- )	1	1
6g	SX244DAS	Folding Lateral Assembly with Center Pipe (S244T) (1997- )	1	1
6h	SX244DA2XS	Lateral Assembly with Center Pipe (S244T2) (1997- )	1	1
6i	SX270DA2S	Folding Lateral Assembly with Center Pipe (S270T2) (1997- )	1	1
7a	SX200QPAK10	S180T Threaded Lateral <i>(set of 10)</i>	10	1
7b	SX240DPAK10	S210T, S220T, S230T, S244T Threaded Lateral <i>(set of 10)</i>	10	1
7c	SX200QNRPAK10	S180T Pivot/Ball Lateral <i>(set of 10)</i>	10	1
7d	SX240DNRPAAK10	S210T, S220T, S230T, S244T, S270T Pivot/Ball Lateral <i>(set of 10)</i>	10	1
8a	SX180HG	Drain Cap Kit (2005 and prior)	25	1
8b	SX180LA	Drain Cap Assembly – Cap, Gasket, Screen	25	1
—	SX200H	Bottom Drain Screen (2005 and prior)	10	1
9	SX200J	Filter Support Stand (Skirt)	1	1
10	SX180K	System Base – S180T Systems	1	1

# ProSeries™

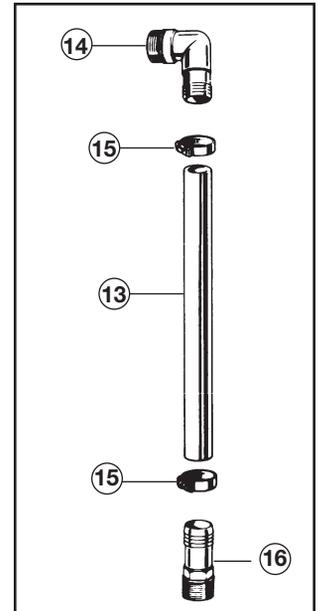
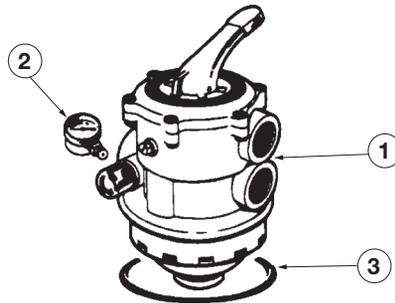
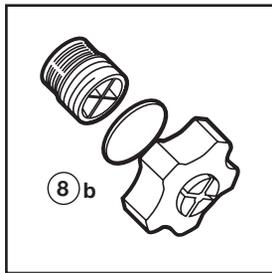
## (W3)S270T2, (W3)S310T2, S360T2 SAND FILTER SERIES REPLACEMENT PARTS

### Parts Diagram and Parts Listing



Ref. No.	Part No.	Description	Ctn.	Qty.	No. Req'd
1	SP071621	Vari-Flo Control Valve - 2"	1		1
2	ECX271261	Pressure Gauge Back Mount	20		1
3	GMX600F	Tank O-Ring	100		1
4	GMX600NM	Flange Clamp	20		1
5a	SX270DA2X	Folding Lateral Assembly 27"	1		1
5b	SX270DA2XS	Folding Lateral Assembly 27 T2"	1		1
5c	SX310DA2S	Folding Lateral Assembly 31"	1		1
5d	SX360DAS	Folding Lateral Assembly 36"	1		1
6a	SX240DNRPAAK10	S270T Pivot/Ball Lateral (set of 10)	10		1
6b	SX310HAPAAK10	S310T & S360T Threaded Lateral (set of 10)	10		1
6c	SX310HNRPAK10	S310T & S360T Pivot/Ball Lateral (set of 10)	10		1
7a	SX180HG	Drain Cap (2005 and prior)	25		1
7b	SX180LA	Drain Cap Kit (see Diagram)	25		1
—	SX200H	Bottom Drain Screen (2005 and prior)	10		1
8a	SX200J	Filter Support Stand (S270T)	1		1
8b	SX310J	Filter Support Stand (S310T, S360T)	1		1
9	SX202S	Sand Shield	25		1

### Parts Listing



### Folding Umbrella Lateral Assembly

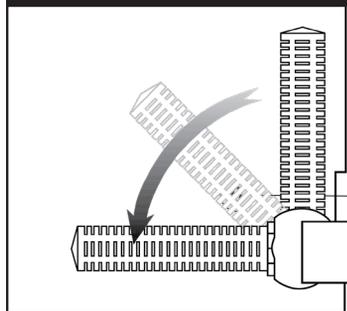
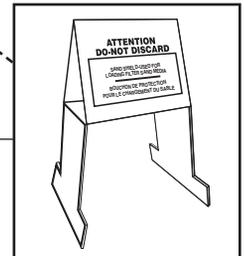
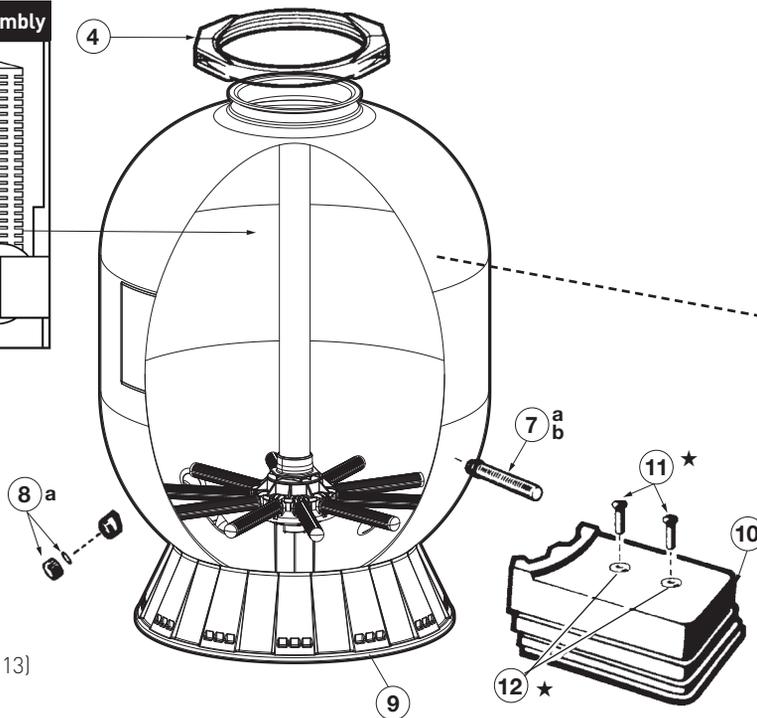


Diagram A



★ Mounting Screw Kit (#12 & 13)

Ref. No.	Part No.	Description	Ctn.	Qty.	No. Req'd
1	SP0714T*	Vari-Flo Control Valve 7-position (S144T)	1		1
2a	GMX400F	Valve/Tank O-Ring (S140T)	10		1
2b	GMX600F	Valve/Tank O-Ring (S144T)	100		1
3	GMX600NM	Flange Clamp - Valve - Tank (S144T)	20		1
4	ECX270861	Pressure Gauge	50		1
5	SX202S	Sand Shield - 2004 Corrugated Design	25		1
6	SX144DA	Folding Lateral Assembly with Center Pipe (S144T) (1997 and after)	1		1
7	SX200SNPAK10	Pivot/Ball Lateral (set of 10)	10		1
7a	SX180HG	Drain Cap Kit (2005 and prior)	25		1
7b	SX180LA	Drain Cap Assembly, Gasket, Screen	25		1
—	SX200H	Bottom Drain Screen (2005 and prior)	10		1
9	SX164B	Filter Support Stand (Skirt)	1		1
10	SX164C	Pump Base	2		1
11	ECX1108A	5/16" x 3/4" Mounting Screw and 5/16" Washer (2) Kit	10		1
12	ECX1109	5/16" Washer	10		2
★	ECX1108A	5/16" x 3/4" Mounting Screws (2) and 5/16" Washers (2) Kit (Includes 12 & 13)	10		1
13	SX144Z1	1 1/2" Hose - Ribbed (S144T)	5		1
14a	SPX1091Z7PAK2	1 1/2"/1 1/4" Hose Adapter (set of 2)	25		1
14b	SPX1091Z4	1 1/2" Straight Hose Adapter (S144T)	25		2
15	SPX1091Z6	Hose Clamp	50		2
16	SPX0710MA	Sight Glass for SP0714T Valve	50		1

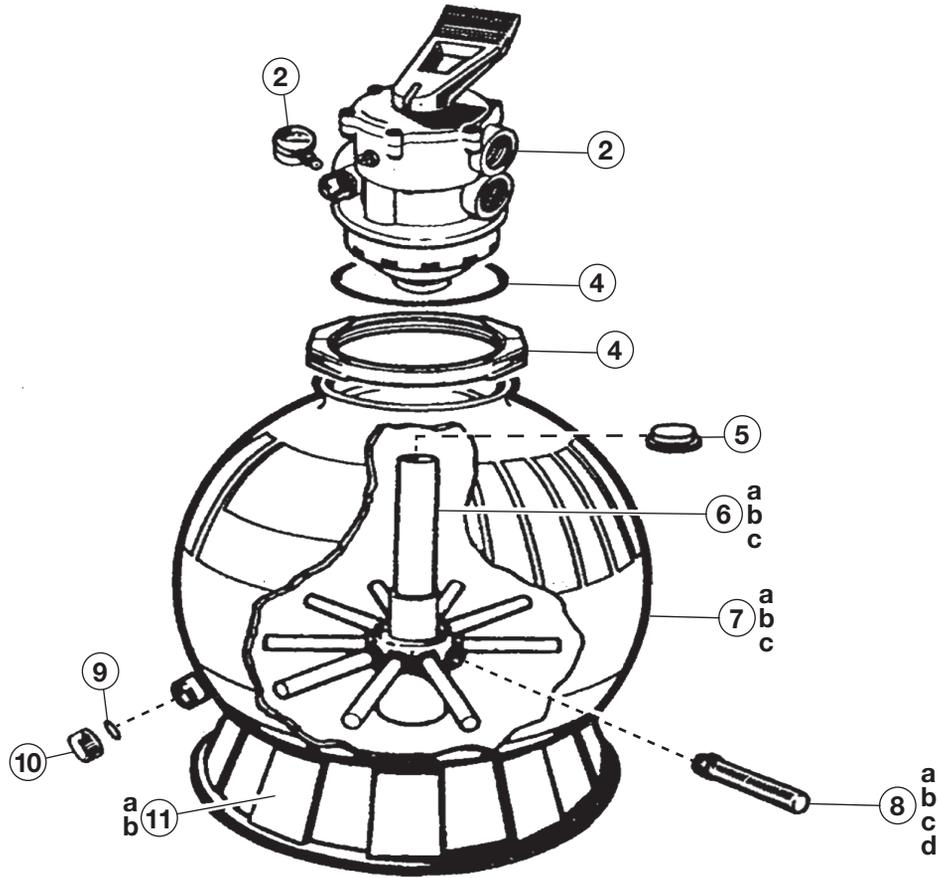
**NOTE:** \*SP0714T Vari-Flo Control Valve used as replacement for GM600 Valve.

# SwimPro

## SW-196T, SW-236T, SW-256T SERIES REPLACEMENT PARTS

### Parts Diagram and Parts Listing

Filters

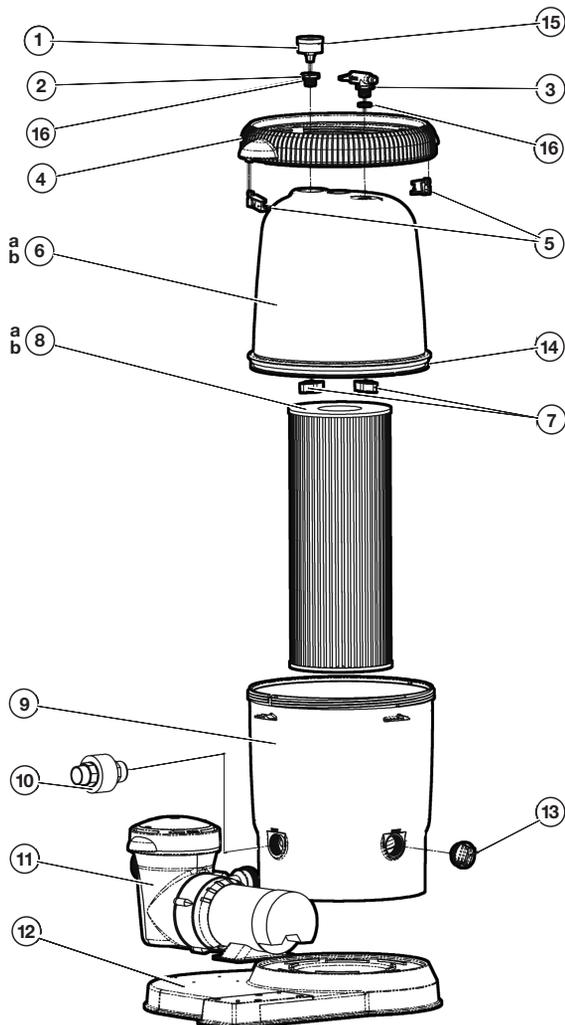


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	SP0714T	Multiport Control Valve Assembly		1
2	ECX270861	Pressure Gauge		1
3	GMX600F	Valve/Tank O-Ring		1
4	GMX600NM	Flange Clamp (Valve-Tank)		1
5	SX2025	Sand Shield		1
6a	SWX196DA2	Lateral Assembly with Center Pipe (SW-196T)		1
6b	SWX236DA2	Lateral Assembly with Center Pipe (SW-236T)		1
6c	SWX256DA2	Lateral Assembly with Center Pipe (SW-256T)		1
7a	SWX196AA1	Filter Tank with Skirt and Lateral Assembly (SW-196T)		1
7b	SWX236AA1	Filter Tank with Skirt and Lateral Assembly (SW-236T)		1
7c	SWX256AA1	Filter Tank with Skirt and Lateral Assembly (SW-256T)		1
8a	SX200QPAK10	Lateral (SW-196T, SW-236T) – threaded (10 pack)		1
8b	SX240DPAK10	Lateral (SW-256T) – threaded (10 pack)		1
8c	SX200QNPAK10	Lateral (Ball Style) SW196T, SW236T (10 pack)		1
8d	SX240DNPAK10	Lateral (Ball Style) SW256T (10 pack)		1
9a	SX180HG	Gasket/Drain Cap (2005 and prior)		1
9b	SX180LA	Drain Cap Assembly – cap, gasket, screen		1
10a	SX180HG	Gasket/Drain Cap (2005 and prior)		1
10b	SX180LA	Drain Cap Assembly – cap, gasket, screen		1
11a	SX164B	Filter Support Stand (SW-196T)		1
11b	SX200J	Filter Support Stand (SW-236T, SW-256T)		1

# XStream® Filtration Series

## CARTRIDGE FILTER SERIES REPLACEMENT PARTS

### Parts Diagram

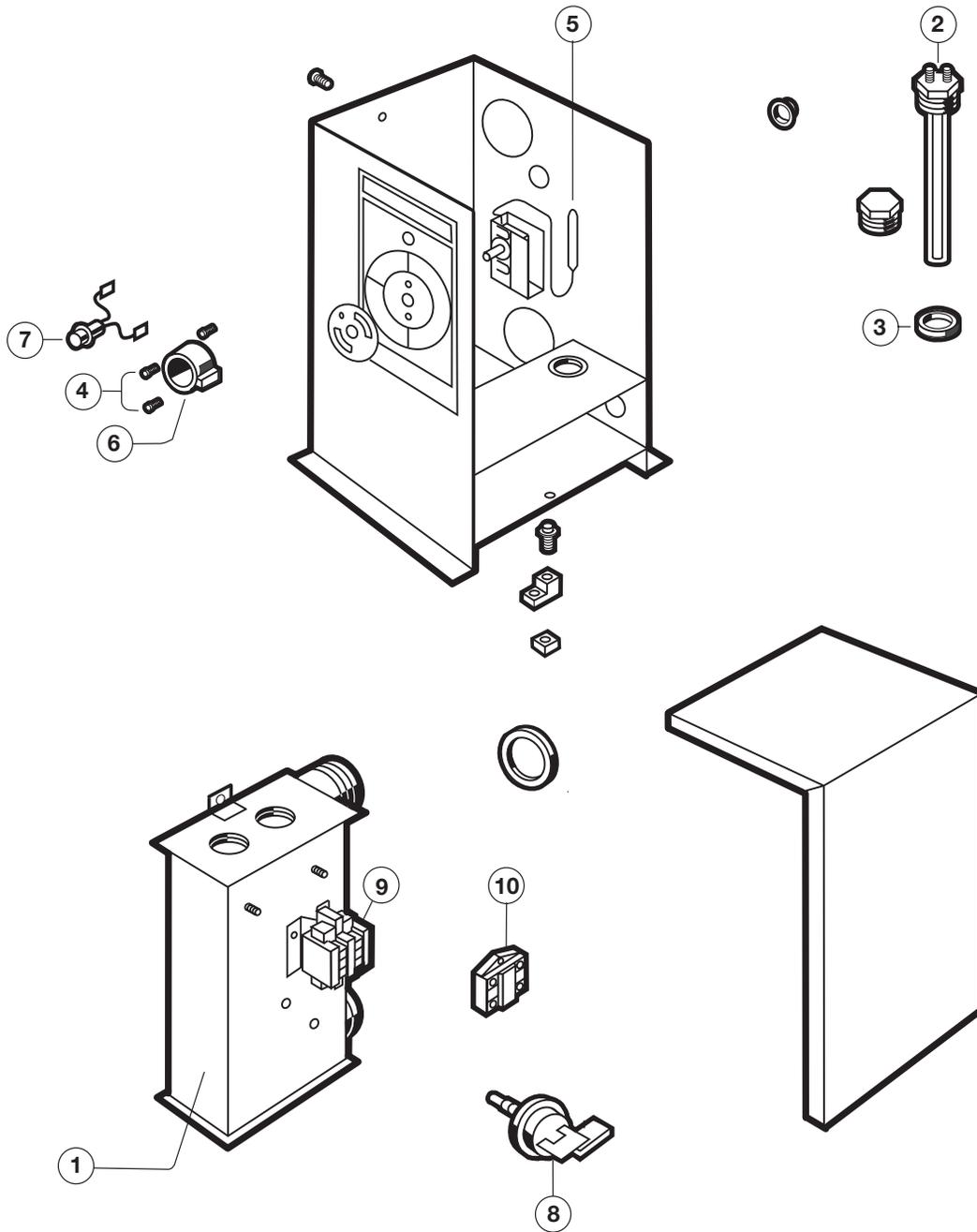


Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	ECX2709A1	Pressure Gauge	10	1
2	CCX1000L	Threaded Adapter for Pressure Gauge	50	1
3	CCX1000V	Air Relief Assembly with O-Ring	50	1
4	CCX1000D	Lock Ring Assembly with 2 Safety Clips	1	1
5	CCX1000H	Safety Clips for Lock Ring (set of 2)	50	2
6a	CCX1000C	Filter Lid with Lock Ring, 100 sq. ft.	1	1
6b	CCX1500C	Filter Lid with Lock Ring, 150 sq. ft.	1	1
7	CCX1000N	Adapter Nut (set of 2)	50	2
8a	CCX1000RE	Cartridge Element, 100 sq. ft.	1	1
8b	CCX1500RE	Cartridge Element, 150 sq. ft.	1	1
9	CCX1000B	Filter, Lower Body	1	1
10	SP1480BLK	Self Aligning Union, Black	50	1
11	Varies per model	Above-ground Pump	—	1
12	CCX1000A	Base, Standard	1	1
13	SP1022CBLK	Drain Plug with O-Ring, Threaded 1 1/2", Black	100	1
14	CCX1000G	Body O-Ring	50	1
15	SPX1500W	Pressure Gauge O-Ring	50	1
16	CCX1000Z5	O-Ring for Gauge Adapter and Air Relief	10	2

# C-Spa XI Models 5.5 – 11

## HEATER REPLACEMENT PARTS

### Parts Diagram and Parts Listing



Ref. No.	Part No.	Description
1	CZXTNK6607	Tank
2	CZXELE7623	Element – 5500 watts 240 volts
3	CZXGKT7627	Element Gasket
4	CZXSCR3003	Thermostat Screw
5	CZXTST3006	Thermostat
6	CZXTSK2003	Thermostat Knob
7	CZXLIT3613	Indicator Light 240 volts
8	CZXPRES1105	Pressure Switch
9	CZXCON3645	Contactor
10	CZXHLC3105	High Limit

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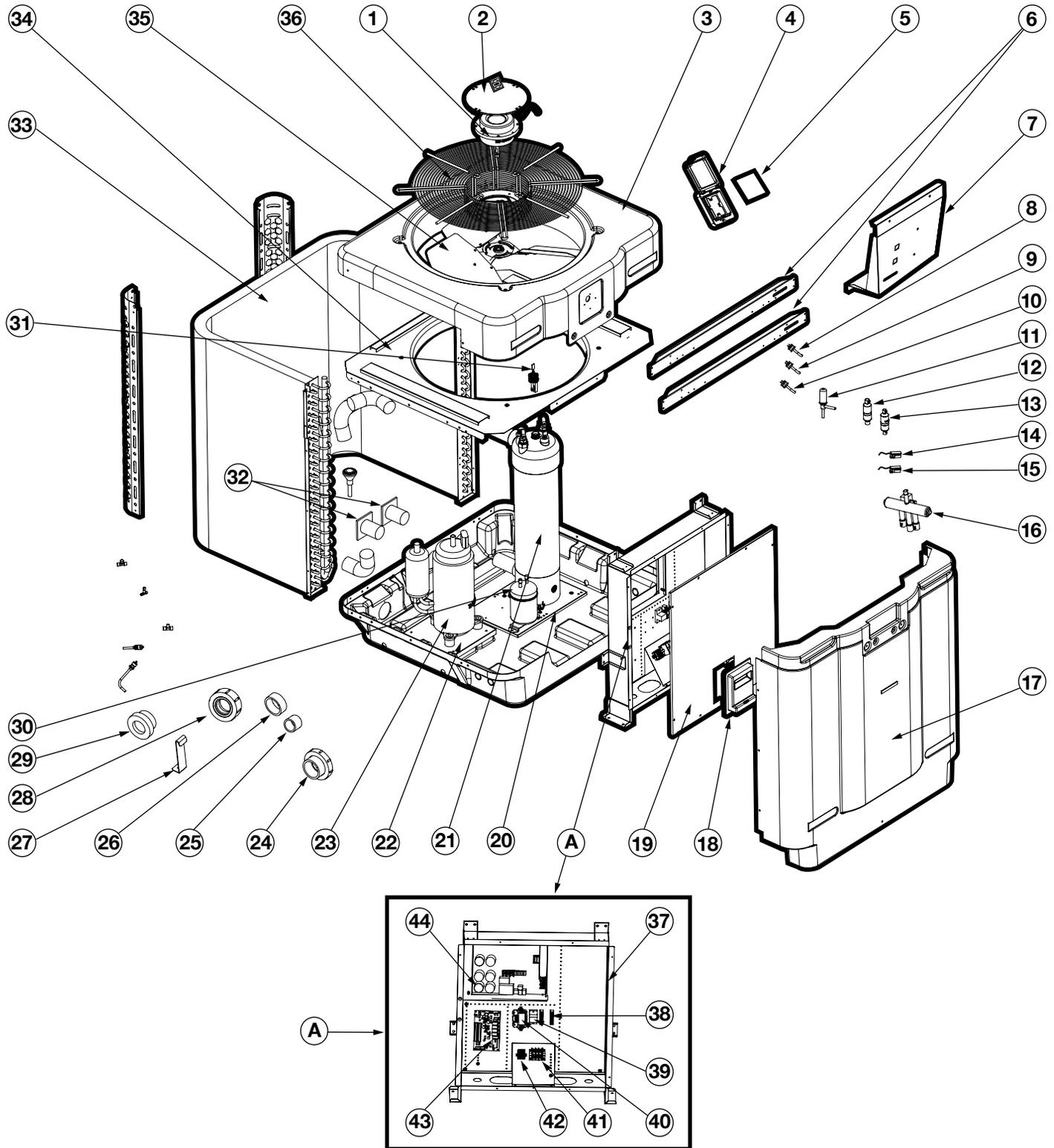
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# HeatPro® VS

IN-GROUND POOL AND SPA REPLACEMENT PARTS

Parts Diagram: HP51202T, HP50952T

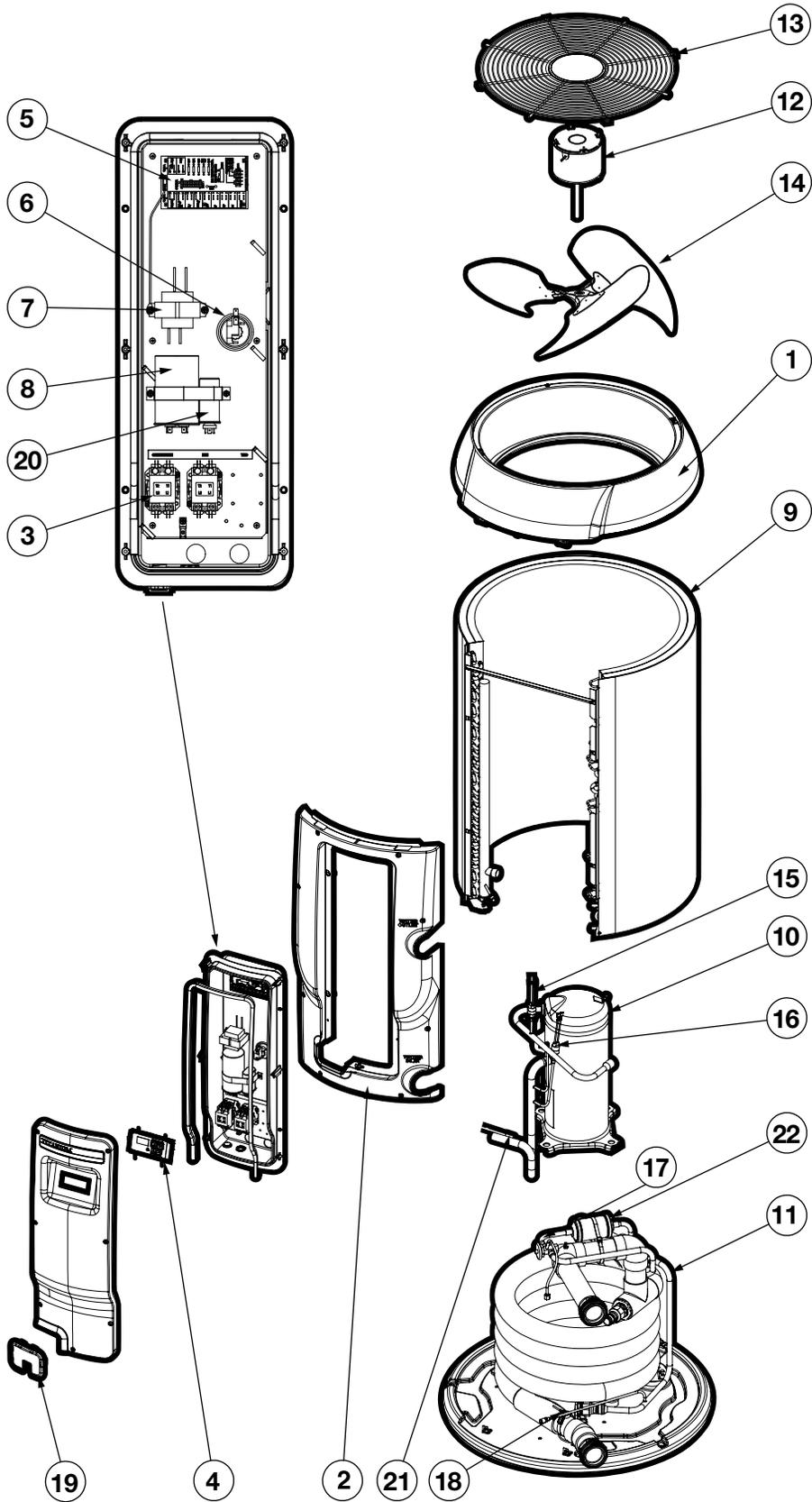


Heating

## Parts Listing: HP51202T, HP50952T

Ref. No.	Part No.	Description	Ctn. Qty.
1	HPX20000330402	Axial Flow Fan Motor	1
2	HPX20000220320	Cover Plate	1
3	HPX80900744	The Top	1
4	HPX80900320	Rain Guard	1
5	HPX82300038	CP203	1
6	HPX80705635	The Beam	1
7	HPX32004210137	The Fan Guard	1
8	HPX51700085001	Secondary High Pressure Switch	1
9	HPX51700085201	High Pressure Switch	1
10	HPX51700085401	Low Pressure Switch	1
11	HPX20000140401	Electronic Expansion Valve	1
12	HPX20000140027	The Filter	1
13	HPX20041444	The Filter	40
14	HPX51700085901	Thermistor, 5K	1
15	HPX51700086001	Thermistor, 50K	1
16	HPX20011491	4-Way Valve, HP50952T	1
	HPX81000137	4-Way Valve, HP51202T	1
17	HPX80900745	The Front Panel	1
18	HPX20000220247	The Junction Box Body	1
19	HPX80705636	Electrical Plate	1
20	HPX32004210135	Titanium Pipe Support, HP50952T	1
	HPX80715847	Titanium Pipe Support, HP51202T	1
21	HPX32016120011	Titanium Tube Heat Exchanger, HP50952T	1
	HPX80601793	Titanium Tube Heat Exchanger, HP51202T	1
22	HPX32004210134	Press Stents	1
23	HPX20000110373	Compressor, HP50952T	1
	HPX80100221	Compressor, HP51202T	1
24	HPX81800023	Adapter	5
25	HPX81800029	Pipe	1
26	SPX3200UNKIT	Union	10
27	HPX80705641	Tie Down	1
28	HPX81800025	Nut	1
29	HPX50100061801	Water Union Adapter Kit	2
30	HPX20000140579	Liquid Storage Tank, HP51202T	1
31	HPX51700086101	Water Flow Switch	1
32	HPX20031379	Joint	1
33	HPX80600731	Finned Heat Exchanger, HP50952T	1
	HPX80601540	Finned Heat Exchanger, HP51202T	1
34	HPX32015210035	Top Support Plate Component	1
35	HPX20000270057	Axial Flow Fan	1
36	HPX80700160	Fan Nets with Plastic Cover	1
37	HPX80717057	Electrical Box Liner, HP51202T	1
38	HPX20003909	Two Socket	1
39	HPX20000360297	Relay	20
40	HP20000360006	Single Phase AC Contactor	1
41	HPX20000390223	Three Terminal Blocks, HP50952T	10
42	HPX20000390046	Terminal	10
43	HPX51100087001	PC1004 Main Control Board	1
44	HPX82300018	Variable Frequency Driver Module, HP50952T	1
	HPX20000310165	Variable Frequency Driver Module, HP51202T	1

Parts Diagram: HP20654T, HP20654BT, HP20854BT, HP20854T, HP21104T, HP21104TC



## Parts Listing: HP20654T, HP20654BT, HP20854T, HP20854BT, HP21104T, HP21104TC

Ref. No.	Part No.	Description	Ctn. Qty.
1	HPX01023502	Fan Top for HP20654T, HP20854T, HP21104T and HP21104TC	1
2	HPX01023503	Side Panel for HP20654T, HP20854T, HP21104T and HP21104TC	1
3	HPX1985	Contactors	5
4	HPX26024139	Control Board Assembly	1
5	HPX11024130	Interface Board	10
6	HPX2181	Water Pressure Switch	10
7	HPX11023693	Transformer	1
8	HPX11024270	Compressor Run Capacitor for HP20654T and HP20654BT, 45uf, 370 VAC	6
	HPX11024272	Compressor Run Capacitor for HP20854T and HP20854BT, 45uf, 370 VAC	5
	SMX11022320	Compressor Run Capacitor for HP21104T and HP21104TC, 45uf, 370 VAC	6
9	HPX24024238	Bent Coil with Guard for HP20654T and HP20854T	5
	HPX24024241	Bent Coil with Guard for HP21104T and HP21104TC	1
10	HPX11024204	Compressor for HP20854T and HP20854BT	1
	SMX11012753**	Compressor for HP21104T and HP21104TC	1
11	HPX24012850	Condenser for HP21104T	1
	HPX24012851	Condenser for HP21104TC	1
	HPX24024712	Condenser for HP20654T, HP20854T, HP20654BT and HP20854BT	1
12	HPX11023564	Fan Motor, 1/3 H.P.	1
13	HPX01023561	Fan Guard	—
14	HPX15024321	Fan Blade	1
15	HPX11024258	High Pressure Switch, 590 PSI	10
16	HPX11024259	Low Pressure Switch, 80 PSI	10
17	HPX15012843	Thermostatic Expansion Valve for HP20854T and HP20854BT	1
	HPX15012842*	Thermostatic Expansion Valve for HP21104T and HP21104TC	10
	HPX15012852**	Thermostatic Expansion Valve for HP21104T and HP21104TC	10
18	HPX2169	Temperature Sensor, 10k	24
19	HPX01023760	Electrical Entry Plug	1
20	HPX11024151	Fan Run Capacitor, 7.5uf	6
21	HPX11024169	Defrost Sensor	24
22	HPX1462	Filter Drier	1

**NOT PICTURED**

—	HPX10023517	HPC Cable	12
—	HPX02024108	Compressor Blanket	1
—	HPX10024732	Compressor Electrical Plug for HP20654T and HP20654BT	1
—	HPX10024289*	Compressor Electrical Plug for HP20854T, HP21104T and HP20854BT and HP21104TC	1
—	HPX10024732**	Compressor Electrical Plug for HP21104T and HP21104TC	1
—	SMXHP2215	Hose Barb Service Kit	14

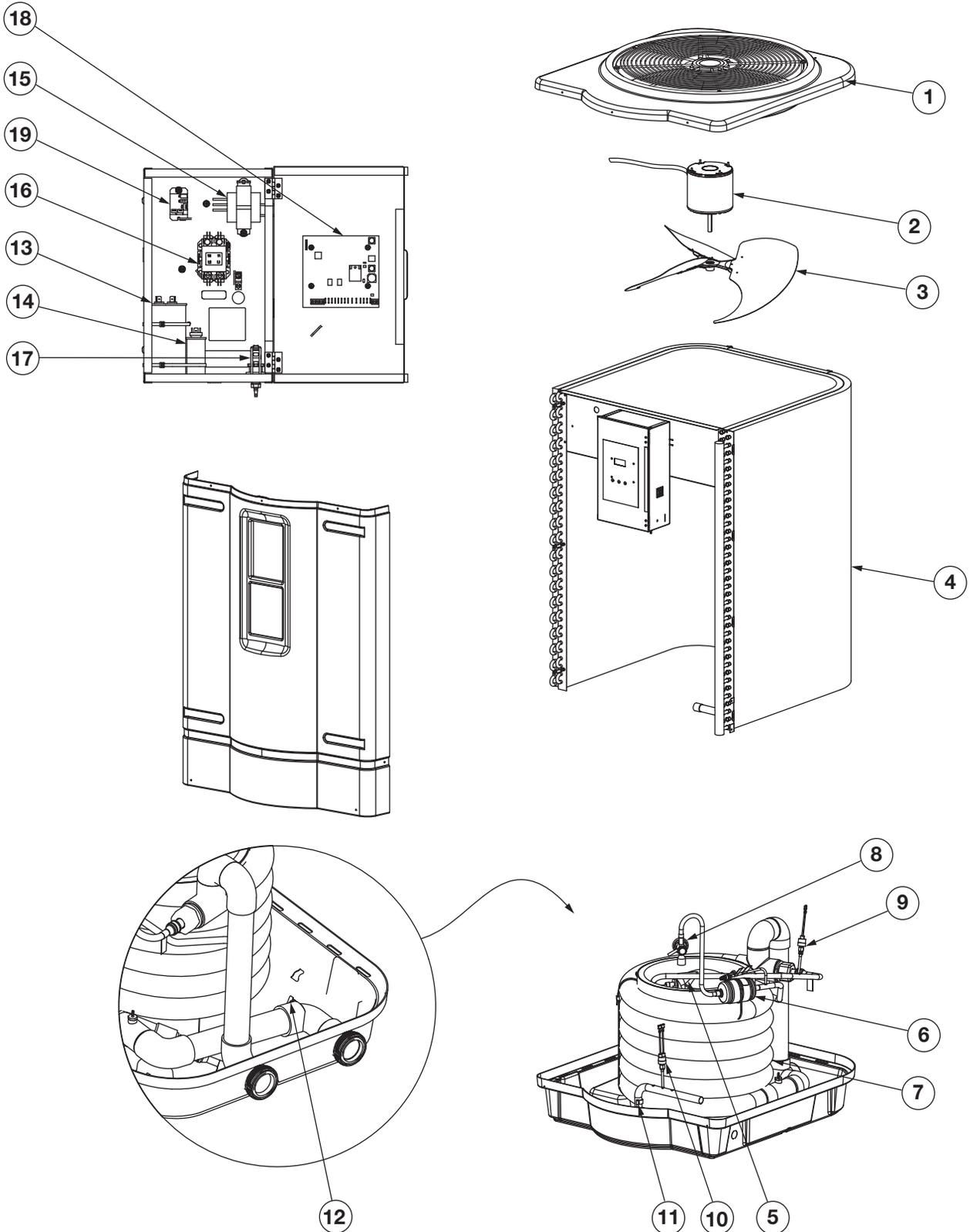
**NOTES:** \*Used on units prior to s/n 21131410102317001

\*\*Used on units after s/n 21131410102458001

# HeatPro® / Summit XL

## HEAT PUMP REPLACEMENT PARTS

Parts Diagram: HP21404T, HP21404TC, HP21004T, HP21254T, SUMXL112, SUMXL140, HP21124T



Heating

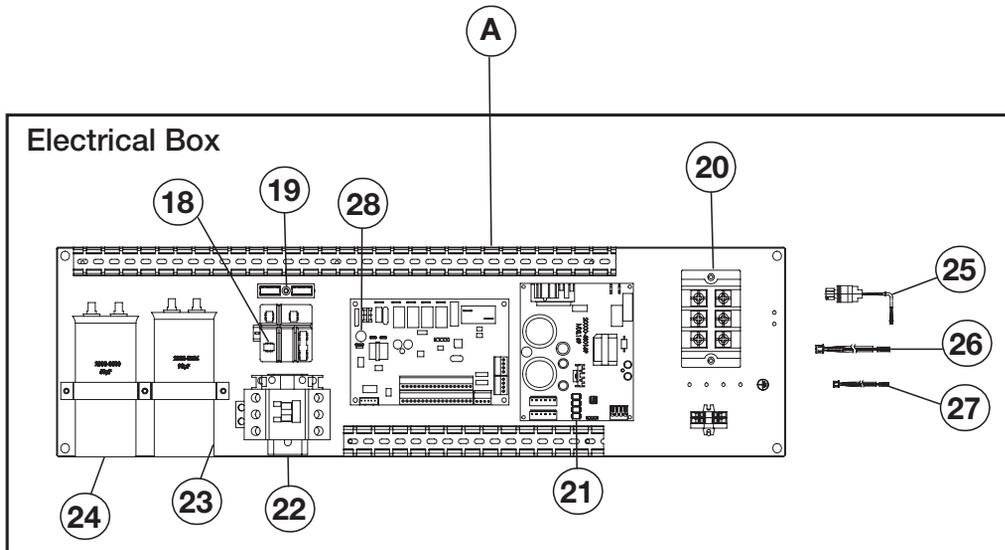
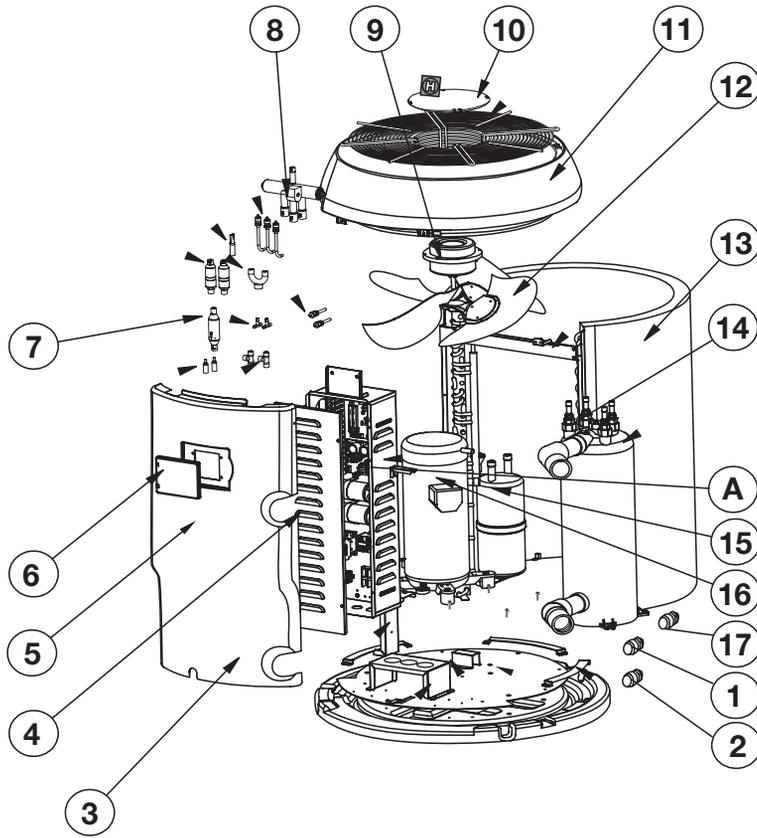
## Parts Listing: HP21404T, HP21404TC, HP21004T, HP21254T, SUMXL112, SUMXL140, HP21124T

Ref. No.	Part No.	Description	Ctn. Qty.
1	SMX309077011	Top Panel – Taupe with Guard	1
2	SMX300055036	Fan Motor	1
3	SMX303140003	Fan Blade	1
4	SMX305099004	Evaporator for HP21404T, HP21404TC	1
	SMX24024408	Evaporator for HP21254T, HP21124T	1
	SMX24024414	Evaporator for HP21004T	1
5	SMX11017204	Compressor for HP21004T prior to serial number 21131501105230001	1
	SMX301150010	Compressor for HP21124T prior to serial number 21131501102140001	1
	SMX11024201	Compressor for HP21254T prior to serial number 21131405101250001	1
	SMX11024201	Compressor for HP21404T prior to serial number 21131404105240001	1
	SMX11012751	Compressor for HP21004T after serial number 21131501105230001	1
	SMX11012753	Compressor for HP21124T after serial number 21131501102140001	1
	SMX11012755	Compressor for HP21254T after serial number 21131405101250001	1
	SMX11012755	Compressor for HP21404T after serial number 21131404105240001	1
	SMX10024715	Compressor Plug (not shown) for HP21004T prior to serial number 21131501105230001	1
	SMX10024715	Compressor Plug (not shown) for HP21124T prior to serial number 21131501102140001	1
	SMX10024715	Compressor Plug (not shown) for HP21254T prior to serial number 21131405101250001	1
	SMX10024715	Compressor Plug (not shown) for HP21404T prior to serial number 21131404 105240001	1
	SMX10022329	Compressor Plug (not shown) for HP21004T after serial number 21131501105230001	5
	SMX10022329	Compressor Plug (not shown) for HP21124T after serial number 21131501102140001	5
	SMX10022329	Compressor Plug (not shown) for HP21254T after serial number 21131405101250001	5
	SMX10022329	Compressor Plug (not shown) for HP21404T after serial number 21131404105240001	5
6	HPX1462	Filter – Drier for all	1
7	SMX24024864	Heat-Exchanger for HP21404T	1
	SMX24022372	Heat Exchanger for HP21004T	1
	SMX24024509	Heat Exchanger for HP21124T prior to serial number 21131708100361001	1
	SMX2401347101	Heat Exchanger for HP21124T after serial number 21131708100361001	1
8	SMX15024595	Thermal Expansion Valve (TXV) for HP21004T prior to serial number 21131501105230001	1
	SMX15024595	Thermal Expansion Valve (TXV) for HP21124T prior to serial number 21131501102140001	1
	SMX15012865	Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001	10
	HPX51700029001	Thermal Expansion Valve (TXV) for HP21124T after serial number 21131501102140001	10
		Thermal Expansion Valve (TXV) for HP21254T after serial number 21131405101250001	10
		Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001	10
9	HPX11024258	High Pressure Switch – 590 PSI	10
10	HPX11024259	Low Pressure Switch – 80 PSI	10
11	SMX306000023	Defrost Sensor	10
12	SMX306000024	Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T	25
13	SMX11022320	Compressor Run Capacitor – 80uf, 440 VAC	6
13	HPX51100010001	Dual Capacitor-Run, 80+7	1
14	HPX11024151	Fan Capacitor – 7.5uf	6
15	HPX11023693	Transformer	1
16	HPX1985	Contactors	5
17	HPX2181	Water Pressure Switch	10
18	HPX51100122201	Control Board for HP21404T, HP21004T, HP21124T and HP21254T	30
19	HPX51000010301	Relay	1
<b>NOT PICTURED</b>			
—	SMX14024927	Consumer Kit	2
—	SMX1101191101	Master On/Off Switch	50

# HP31005T

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



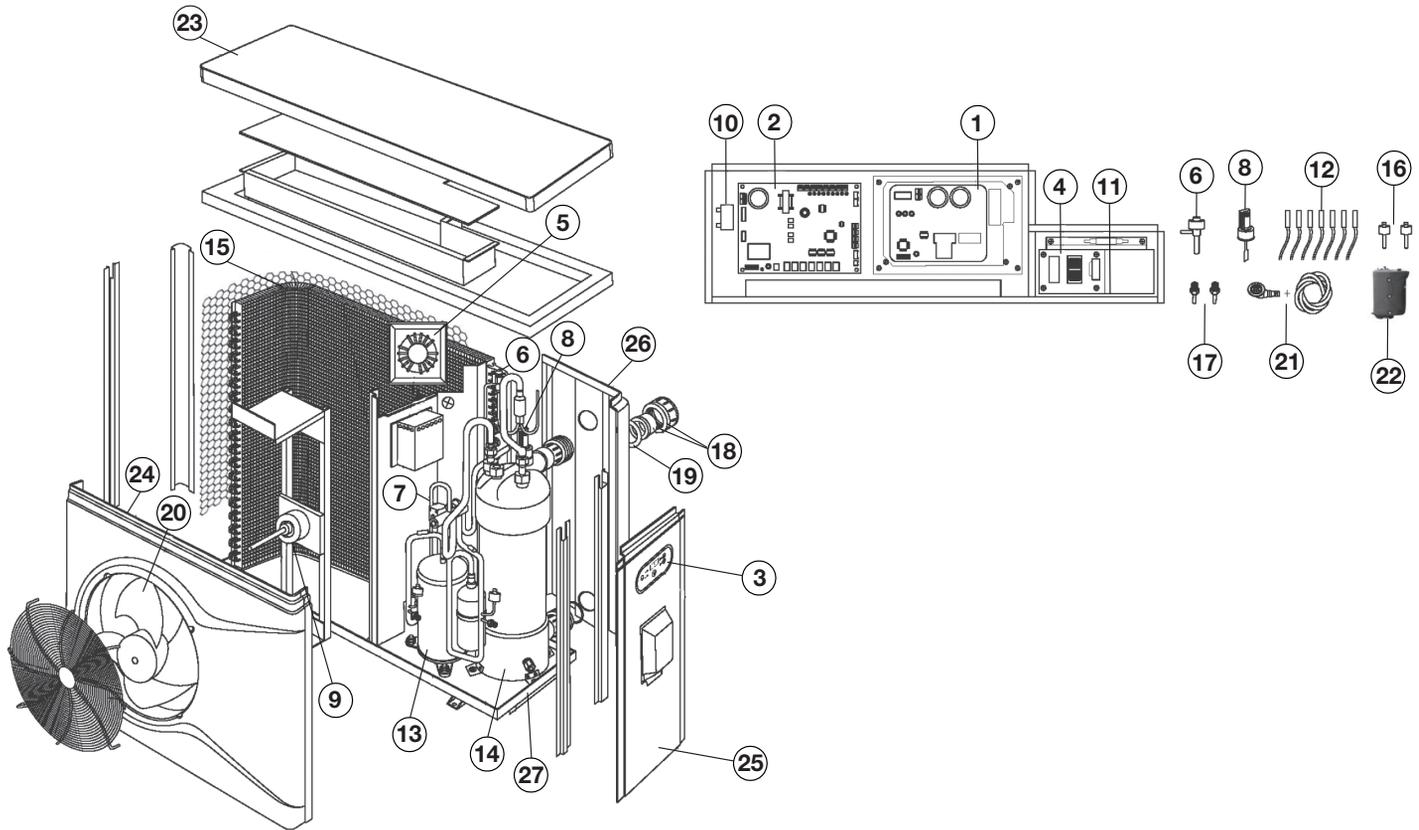
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	HPX20000360187	Secondary High Pressure Switch	20
2	HPX20000360054	Low Pressure Switch	20
3	HPX80901109	Front Panel	1
4	HPX80711456	Electrical Box Cover	1
5	HPX83700118	The Trademark	1
6	HPX72200348	LED302	10
7	HPX20011497	Check Valve	1
8	HPX20011491	Four-Way Valve	1
9	HPX20000330381	Fan Motor	1
10	HPX20000220320	Motor Cover Plate	1
11	HPX80901118	Cover	1
12	HPX80300033	Fan	1
13	HPX80601153	Fin Heat Exchanger	1
14	HPX51700086101	Water Flow Switch	20
15	HPX35051405	Gas Liquid Separator	1
16	HPX20000110040	Compressor	1
17	HPX51700085201	High Pressure Switch	20
18	HPX20000360035	Start Relay	1
19	HPX20003909	Terminal Board (2 bit)	1
20	HPX20000390222	Terminal Board (3 bit)	5
21	HPX72200052	DC Speed Control Module	4
22	HPX82900067	AC Contactor	1
23	HPX20003524	Compressor Capacitance, 98uf	2
24	HPX20003510	Compressor Capacitance, 60uf	5
25	HPX20000360306	Pressure Sensor	1
26	HPX51700085901	Temperature Sensor, 5K	20
27	HPX51700086001	Temperature Sensor, 50K	5
28	HPX51100106201	PC1002 Main Control Board	1
	HPX51100087001	PC1004 Main Control Board	1
—	HPX50100061801	Water Union Adapter Kit <i>(Set of 2)</i>	1
—	SPX3200UNKIT	Union Kit <i>(Set of 2)</i>	10

# HP40BEE, HP50BEE, HP65BEE1

VARIABLE SPEED HEAT PUMP REPLACEMENT PARTS

## Parts Diagram: HP40BEE, HP50BEE, HP65BEE1



## Parts Listing: HP40BEE

Ref. No.	Part No.	Description
1	HPXWSEE40CDM	Inverter Board
2	HPXWSEE50PCB	PC Board
3	HPXWSEE50IL	Oval LED
4	HPXWSEE50PFP	Power Filter Plate
5	HPXWSEE40IN	Inductor
6	HPXWSEE50EV	Electronic Expansion Valve
7	HPXWSEE50FWV	4-Way Valve
8	HPXWS56WFW	Water Flow Switch
9	HPXWSEE50FM	Fan Motor
10	HPXWSEE50FMC	Fan Motor Capacitor
11	HPXWSEE40FUS	Fuse
12	HPXWSEE50TMP	Full set of sensors
13	HPXWSEE40CCC	Compressor
14	HPXWSEE40THE	Titanium Heat Exchanger
15	HPXWSEE40E	Evaporator
16	HPXWSEE50PPS	High and Low Pressure Protection Switch
17	HPXWSEE50PV	High and Low Pressure Valve
18	HPXWS56WN	Water Union
19	HPWS56WNG	Water Union Gasket
20	HPXWSEE40F	Fan
21	HPXWSEE50DTJ	Drainage Kit
22	HPXWSEE50ICC	Compressor Insulation Cap
23	HPXWSEE50CAB	Top Cover
24	HPXWSEE50CAB	Front Panel
25	HPXWSEE50CAB	Right Panel
26	HPXWSEE40CAB	Back Panel
27	HPXWSEE50BB	Bottom Board

Heating

# HP40BEE, HP50BEE, HP65BEE1

VARIABLE SPEED HEAT PUMP REPLACEMENT PARTS

## Parts Listing: HP50B

Ref. No.	Part No.	Description
1	HPXWSEE50CDM	Inverter Board
2	HPXWSEE50PCB	PC Board
3	HPXWSEE50IL	Oval LED
4	HPXWSEE50PFP	Power Filter Plate
5	HPXWSEE50IN	Inductor
6	HPXWSEE50EV	Electronic Expansion Valve
7	HPXWSEE50FWV	4-Way Valve
8	HPXWS56WFW	Water Flow Switch
9	HPXWSEE50FM	Fan Motor
10	HPXWSEE50FMC	Fan Motor Capacitor
11	HPXWSEE50FUS	Fuse
12	HPXWSEE50TMP	Full set of sensors
13	HPXWSEE50CCC	Compressor
14	HPXWSEE50THE	Titanium Heat Exchanger
15	HPXWSEE50E	Evaporator
16	HPXWSEE50PPS	High and Low Pressure Protection Switch
17	HPXWSEE50PV	High and Low Pressure Valve
18	HPXWS56WN	Water Union
19	HPWS56WNG	Water Union Gasket
20	HPXWSEE50F	Fan
21	HPXWSEE50DTJ	Drainage Kit
22	HPXWSEE50ICC	Compressor Insulation Cap
23	HPXWSEE50CAB	Top Cover
24	HPXWSEE50CAB	Front Panel
25	HPXWSEE50CAB	Right Panel
26	HPXWSEE50CAB	Back Panel
27	HPXWSEE50BB	Bottom Board

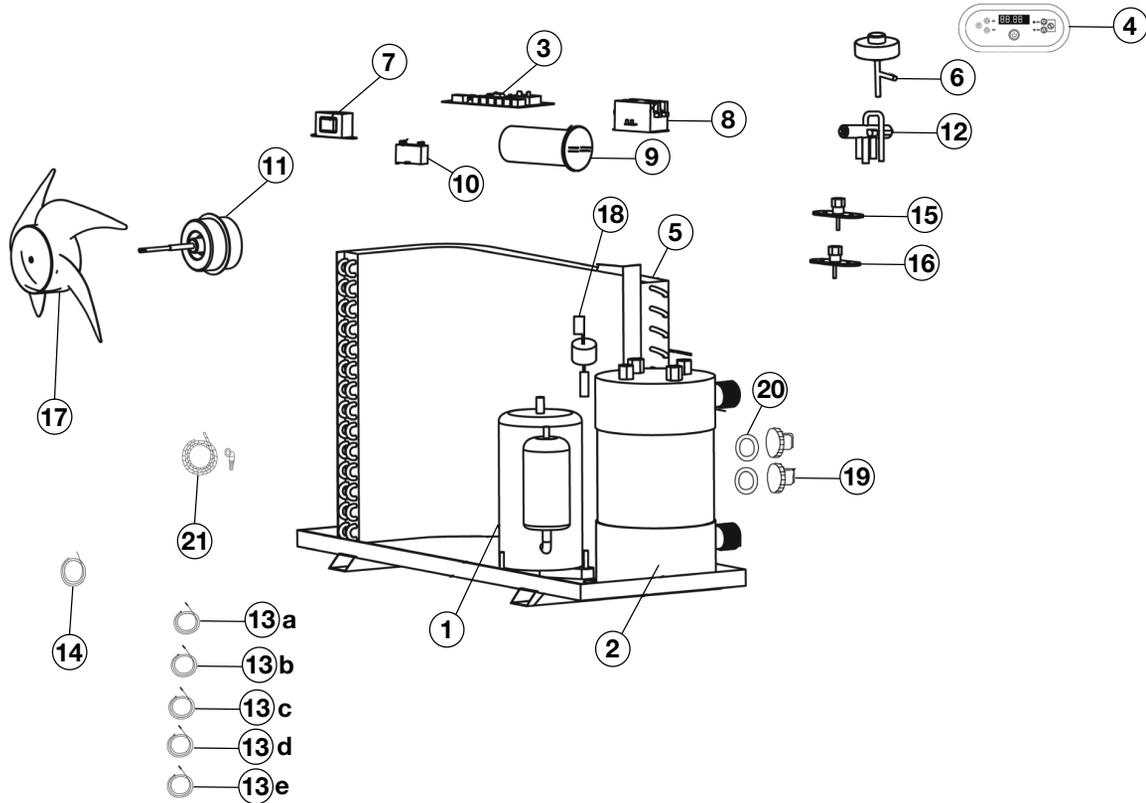
## Parts Listing: HP65B1

Ref. No.	Part No.	Description
1	HPXWSEE65CDM1	Inverter Board
2	HPXWSEE50PCB	PC Board
3	HPXWSEE50IL	Oval LED
4	HPXWSEE50PFP	Power Filter Plate
5	HPXWSEE65IN1	Inductor
6	HPXWSEE50EV	Electronic Expansion Valve
7	HPXWSEE65FWV	4-Way Valve
8	HPXWS56WFW	Water Flow Switch
9	HPXWSEE50FM	Fan Motor
10	HPXWSEE50FMC	Fan Motor Capacitor
11	HPXWSEE65FUS	Fuse
12	HPXWSEE50TMP	Full set of sensors
13	HPXWSEE65CCC1	Compressor
14	HPXWSEE65THE1	Titanium Heat Exchanger
15	HPXWSEE65E	Evaporator
16	HPXWSEE50PPS	High and Low Pressure Protection Switch
17	HPXWSEE50PV	High and Low Pressure Valve
18	HPXWS56WN	Water Union
19	HPWS56WNG	Water Union Gasket
20	HPXWSEE40F	Fan
21	HPXWSEE50DTJ	Drainage Kit
22	HPXWSEE65ICC	Compressor Insulation Cap
23	HPXWSEE65CAB	Top Cover
24	HPXWSEE65CAB	Front Panel
25	HPXWSEE65CAB	Right Panel
26	HPXWSEE65CAB	Back Panel
27	HPXWSEE50BB	Bottom Board

# HP40B, HP50B, HP65B1

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram: HP40B, HP50B, HP65B1



### Parts Listing: HP40B

Ref. No.	Part No.	Description
1	HPXWS40CCC	Compressor
2	HPXWS40THE	Titanium Heat Exchanger
3	HPXWS40PCB1	PC Board Fairland
4	HPXWS40IL1	LCD Controller Fairland
5	HPXWS40E	Evaporator
6	—	—
7	HPXWS40T	Fairland Transformer
8	HPXWS40C	Fairland Contactor
9	HPXWS40CC	Compressor Capacitor
10	HPXWS40FMC	Fan Motor Capacitor
11	HPXWS40FM	Fan Electric Motor
12	HPXWS40FWV	4-Way Valve
13a	HPXWS40TMP	Pool Water Temp Sensor
13b	—	—
13c	HPXWS40TMP	Heating Coil Pipe Temp Sensor
13d	—	—
13e	HPXWS40ETS	Exhaust Temp Sensor
14	HPXWS40ATS	Air Temp Sensor
15	HPXWS40HPS	High Pressure Valve
16	HPXWS40LPS	Low Pressure Valve
17	HPXWS40F	Fan
18	HPXWS56WFW	Water Flow Switch
19	HPXWS40WN	Quick Connect
20	HPXWS56WNG	Union Kit
21	HPXWS40DTJ	Draining Tube and Black Joint

# HP40B, HP50B, HP65B1

## HEAT PUMP REPLACEMENT PARTS

### Parts Listing: HP50B

Ref. No.	Part No.	Description
1	HPXWS50CCC	Compressor
2	HPXWS50THE	Titanium Heat Exchanger
3	HPXWS56PCB1	PC Board Fairland
4	HPXWS56IL1	LCD Controller Fairland
5	HPXWS50E	Evaporator
6	HPXWS50EV	Expansion Valve
7	HPXWS56T	Fairland Transformer
8	HPXWS56C	Fairland Contactor
9	HPXWS56CC	Compressor Capacitor
10	HPXWS50FMC	Fan Motor Capacitor
11	HPXWS50FM	Fan Electric Motor
12	HPXWS56FWV	4-Way Valve
13a	HPXWS56TMP	Pool Water Temp Sensor
13b	HPXWS56TMP	Cooling Coil Pipe Temp Sensor
13c	HPXWS56TMP	Heating Coil Pipe Temp Sensor
13d	HPXWS56TMP	Gas Return Temp Sensor
13e	—	—
14	HPXWS56ATS	Air Temp Sensor
15	HPXWS56HPS	High Pressure Valve
16	HPXWS56LPS	Low Pressure Valve
17	HPXWS50F	Fan
18	HPXWS56WFW	Water Flow Switch
19	HPXWS56WN	Quick Connect
20	HPXWS56WNG	Gasket
21	HPXWS56OR	O-Ring

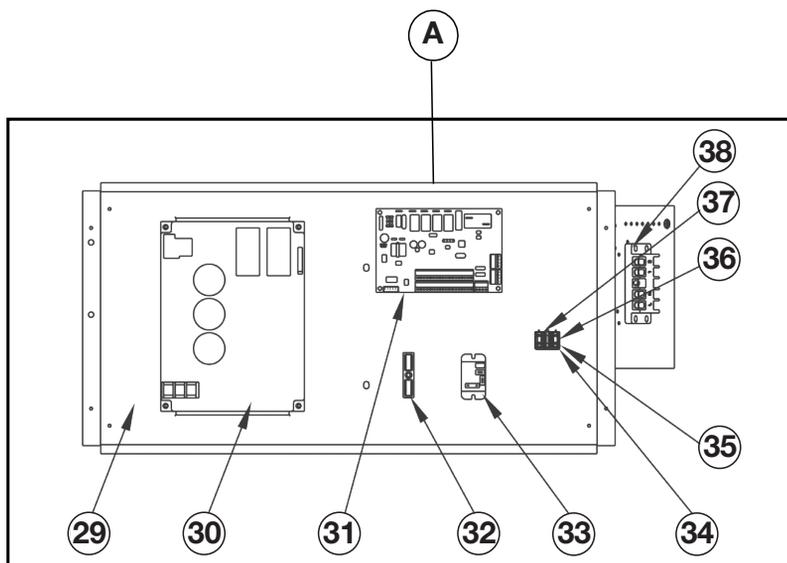
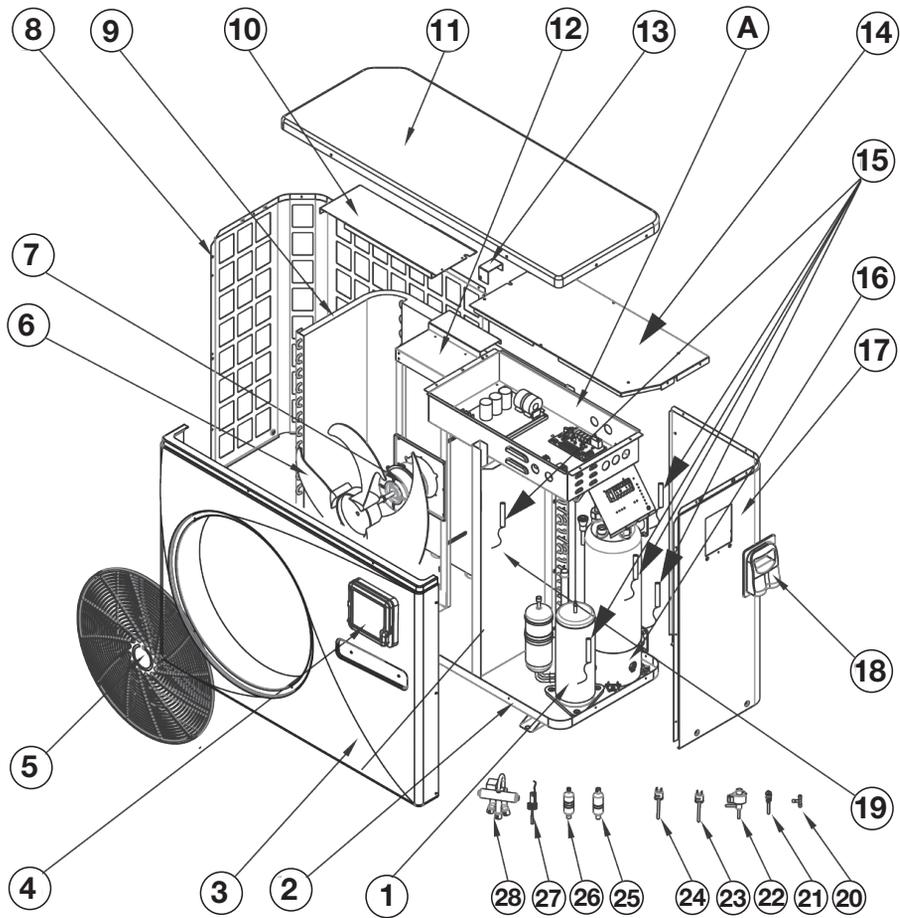
### Parts Listing: HP65B1

Ref. No.	Part No.	Description
1	HPXWS65CCC	Compressor
2	HPXWS65THE	Titanium Heat Exchanger
3	HPXWS56PCB1	PC Board Fairland
4	HPXWS56IL1	LCD Controller Fairland
5	HPXWS65E	Evaporator
6	HPXWS65EV	Expansion Valve
7	HPXWS56T	Fairland Transformer
8	HPXWS56C	Fairland Contactor
9	HPXWS56CC	Compressor Capacitor
10	HPXWS65FMC	Fan Motor Capacitor
11	HPXWS65FM	Fan Electric Motor
12	HPXWS56FWV	4-Way Valve
13A	HPXWS56TMP	Pool Water Temp Sensor
13B	HPXWS56TMP	Cooling Coil Pipe Temp Sensor
13C	HPXWS56TMP	Heating Coil Pipe Temp Sensor
13D	HPXWS56TMP	Gas Return Temp Sensor
13E	—	—
14	HPXWS56ATS	Air Temp Sensor
15	HPXWS56HPS	High Pressure Valve
16	HPXWS56LPS	Low Pressure Valve
17	HPXWS65F	Fan
18	HPXWS56WFW	Water Flow Switch
19	HPXWS56WN	Quick Connect
20	HPXWS56WNG	Union Kit
21	HPXWS56DTJ	Draining Tube and Black Joint

# HP50AEE

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



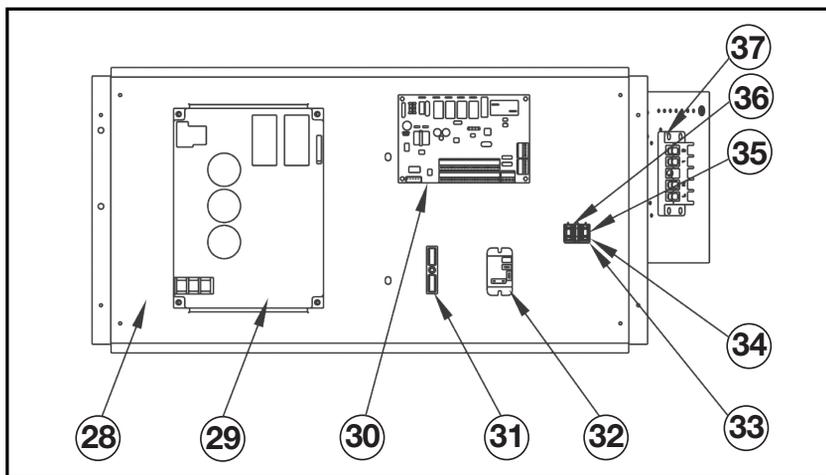
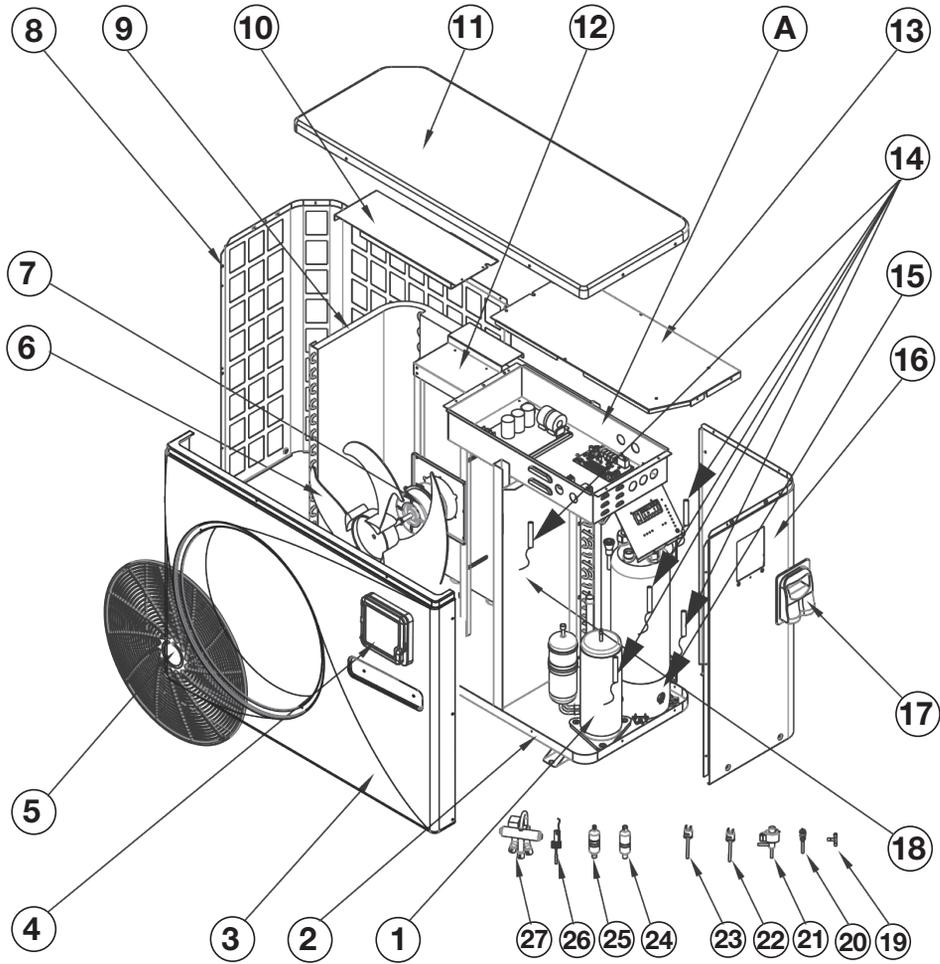
### Parts Listing

Ref. No.	Part No.	Description
1	HPX20000-110436	Compressor
2	HPX301070-20120022	Chassis Assembly
3	HPX301090-20120001	Front frame
4	HPX72200359	CP203
5	HPX20000-220369	Fan Net
6	HPX20000-270004	Axial Fan Blade
7	HPX20000-330132	DC
8	HPX301070-20080006	Left side panel
9	HPX32012-120166	Finned Heat Exchanger
10	HPX32012-210493	Support Plate
11	HPX32012-210489	Top Cover
12	HPX32012-210570	Motor Bracket Assembly
13	HPX32008-210167	Condenser Splint
14	HPX32012-210494	Electrical Box Cover
15	HPX2000-3242	Sensor
16	HPX301060-20120002	Titanium Tube Heat Exchanger
17	HPX301070-20120021	Ride Side Panel
18	HPX32009-220029	Junction Box Body
19	HPX32012-210796	Middle Baffle
20	HPX2000-1460	Three Links
21	HPX220000-140150	Needle Valve
22	HPX20000-140449	Electronic Expansion Valve
23	HPX20000-360157	Low Pressure Switch
24	HPX2001-3605	High Pressure Switch
25	HPX2004-1444	Filter
26	HPX20000-140618	Filter
27	HPX20000-360005	Flow Switch
28	HPX20000-140484	Four-Way Valve
29	HPX80701652	Electrical Box Assembly
30	HPX20000-310170	Variable Frequency Drive
31	HPX51100087001	PC1004
	HPX51100106201	PC1002
32	HPX2000-3909	2-position Terminal Block
33	HPX20000-360297	Relay
34	HPX20000-390047	Terminal Block
35	HPX20000-390046	Terminals
36	HPX20000-390048	Terminals
37	HPX20000-390049	Terminals
38	HPX20000-390231	5-position Terminal Block

# HP70AEE

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



Heating

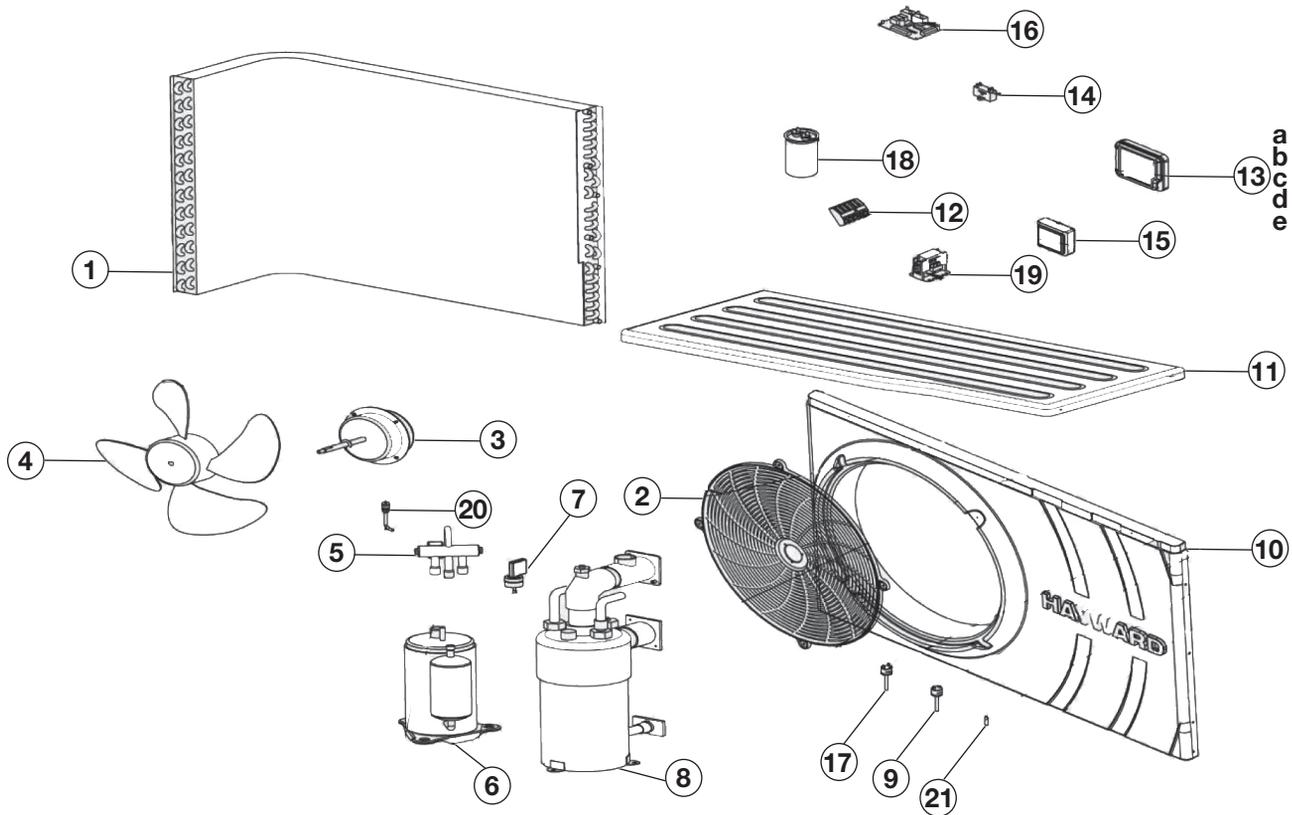
### Parts Listing

Ref. No.	Part No.	Description
1	HPX20000-110217	Compressor
2	HPX80701594	Chassis Assembly
3	HPX301090-00000004	Front Frame
4	HPX72200359	CP203
5	HPX20000-220369	Fan Net
6	HPX20000-270004	Axial Fan Blade
7	HPX20000-330132	DC
8	HPX80701595	Left Side Panel
9	HPX301060-20180001	Finned Heat Exchanger
10	HPX32009-210663	Support Plate
11	HPX32009-220111	Top Cover
12	HPX32009-210662	Motor Bracket Assembly
13	HPX32009-210658	Electrical Box Cover
14	HPX2000-3242	Sensor
15	HPX80600265	Titanium Tube Heat Exchanger
16	HPX80701596	Right Side Panel
17	HPX32009-220029	Junction Box Body
18	HPX32009-210664	Middle Baffle
19	HPX2000-1460	Three Links
20	HPX20000-140150	Needle Valve
21	HPX20000-140485	Electronic Expansion Valve
22	HPX20000-360157	Low Pressure Switch
23	HPX2001-3605	High Pressure Switch
24	HPX2004-1444	Filter
25	HPX20000-140618	Filter
26	HPX20000-360005	Flow Switch
27	HPX20000-140485	Four-way valve
28	HPX32009-210651	Electrical Box Assembly
29	HPX20000-310170	Variable Frequency Drive
30	HPX51100087001	PC1004
	HPX51100106201	PC1002
31	HPX2000-3909	2-position Terminal Block
32	HPX20000-360297	Relay
33	HPX20000-390047	Terminal Block
34	HPX20000-390046	Terminals
35	HPX20000-390048	Terminals
36	HPX20000-390049	Terminals
37	HPX20000-390231	5-position Terminal Block
38	HPX20000-390231	5-position Terminal Block

# HP50A

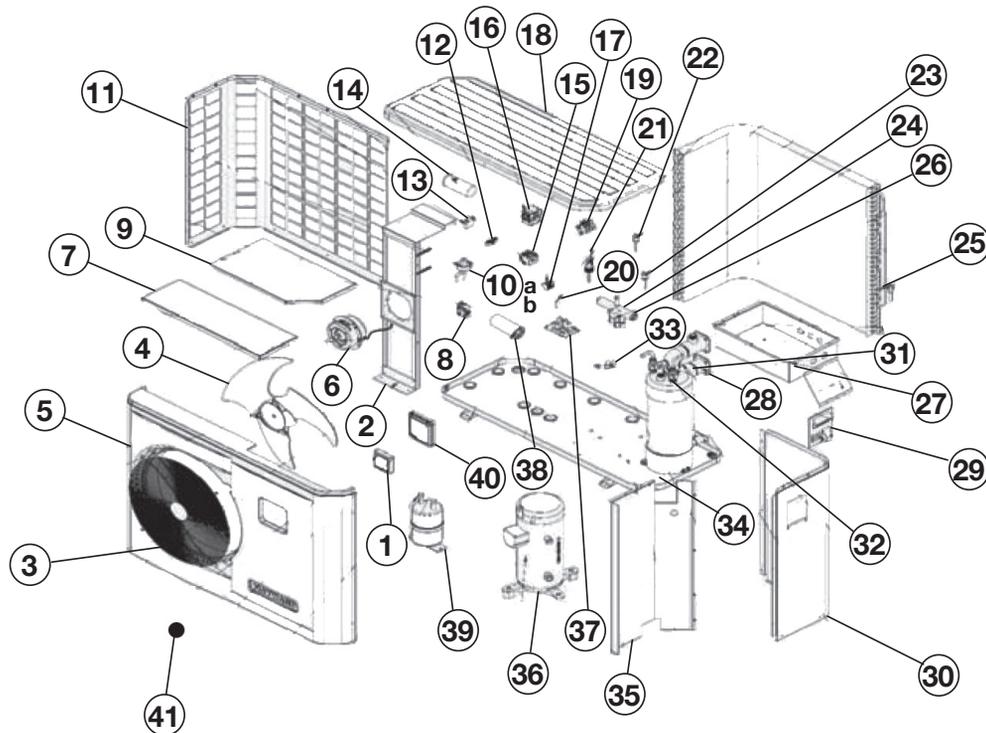
## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram and Parts Listing



Ref. No.	Part No.	Description
1	HPX32012-120037	Evaporator
2	HPX20000-220188	Fan Net
3	HPX20000-330124	Fan Motor
4	HPX3500-2701	Axis Blower Fan
5	HPX2001-1418	4-Way Valve
6	HPX20000-110041	Compressor
7	HPX20000-360005	Water Flow Switch
8	HPX32012-120036	Titanium Tube Heat Exchanger
9	HPX2001-3605	High Pressure Switch
10	HPX32012-220055	Front Panel
11	HPX32012-220056	Cover
12	HPX2001-3907	Terminal
13	HPX2000-2111	Waterproof Cover
14	HPX2000-3501	Fan Capacitor
15	HPX95005-310188	LCD Controller
16	HPX35005-310145	Main Control Board PC1001
17	HPX2000-3603	Low Pressure Switch
18	HPX2000-3505	Compressor Capacitor
19	HPX20000-360103	AC Contactor
20	HPX20000-140153	Needle Valve
21	HPX2000-3242	Sensor, Water, Air

### Parts Diagram and Parts Listing

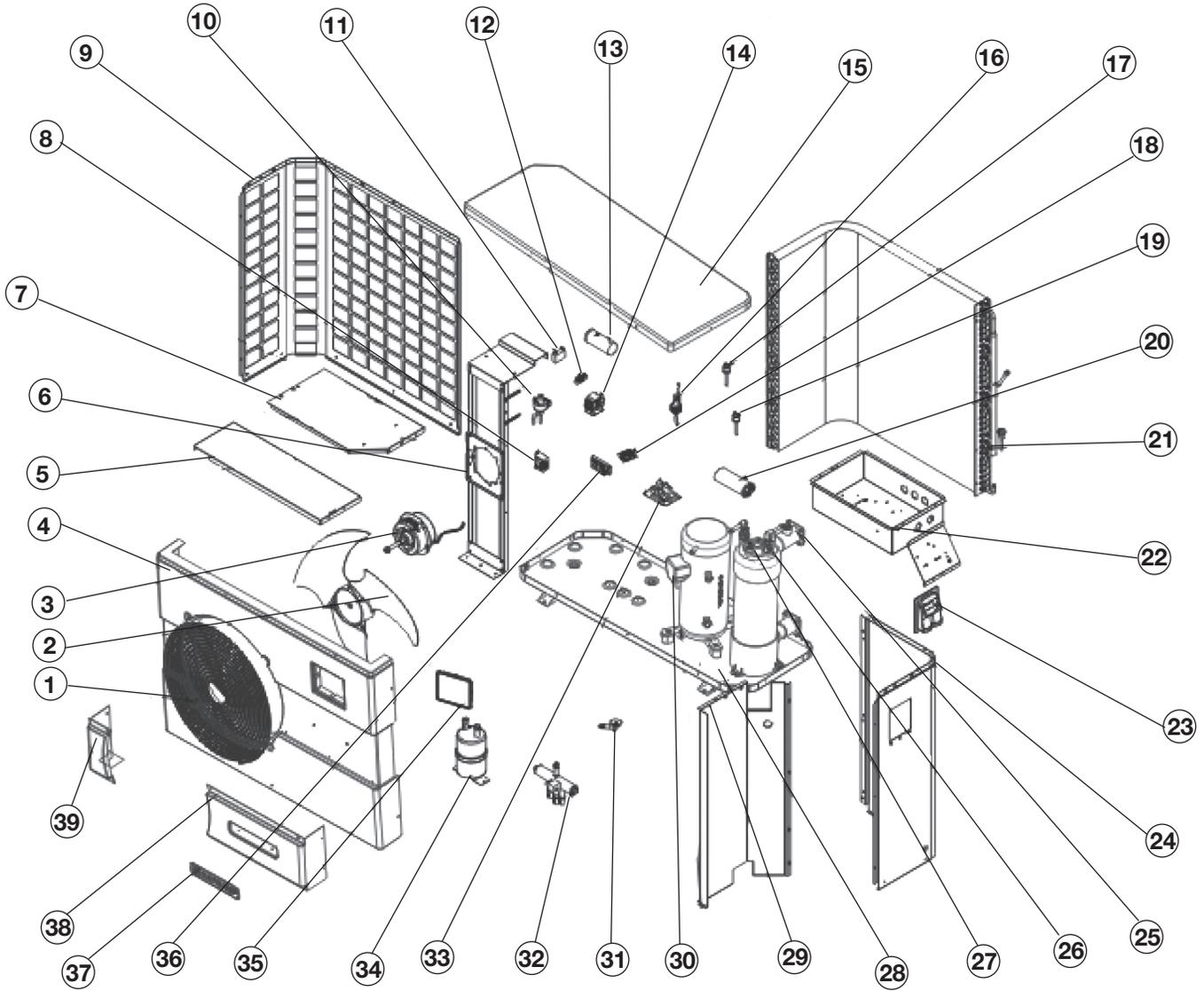


Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	HPX95005-310188	LCD Controller	22	HPX2001-3605	High Pressure Switch
2	HPX320009-210092	Fan Motor Bracket	23	HPX2000-3603	Low Pressure Switch
4	HPX2000-2705	Fan Blade	24	HPX2001-1491	4 Way Valve
6	HPX2001-3328	Fan Motor	25	HPX35012-120001	Fin Coil
7	—	Support Panel	26	HPX2000-3242	Air Temp. Sensor
8	HPX20000-370003	Transformer	27	—	Electrical Box Cover
9	—	Electrical Box Cover	28	HPX32009-120013	PVC-Titanium Condenser
10a	HPX20000-140151	Electronic Expansion Valve	29	—	Protection Cover
10b	HPX2000-140237	Black Coil	30	—	Right Panel
11	—	Back Panel	31	HPX2000-3242	Water Outlet Sensor
12	HPX2000-3508	Fan Motor Capacitor 40 uF/450 VAC	32	HPX20000-3242	Water Inlet Sensor
13	—	Terminal Block 2 Connection	33	HPX2000-1345	Drain Plug
14	HPX2000-3524	Compressor Start Capacitor	34	—	Bottom Panel
15	HPCX20000-36035	Relay	35	—	Center Wall
16	HPX2000-360035	Compressor Contactor	36	HPX20000-110038	Compressor
17	—	Terminal Block 3 Connection	37	HPXMCB65	PCB Board
18	—	Top Cover	38	HPX2000-3510	Compressor Capacitor 60 uF/450 VAC
19	—	Terminal Block 3 Connection	40	HPX20000-220068	Waterproof Cover
20	HPX2000-3242	Coil Temperature Sensor		HPX2000-3909	Terminal Block 2
21	HPX20000-360005	Flow Switch		HPX2001-3907	Terminal Block 5

# HP70A1

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



Heating

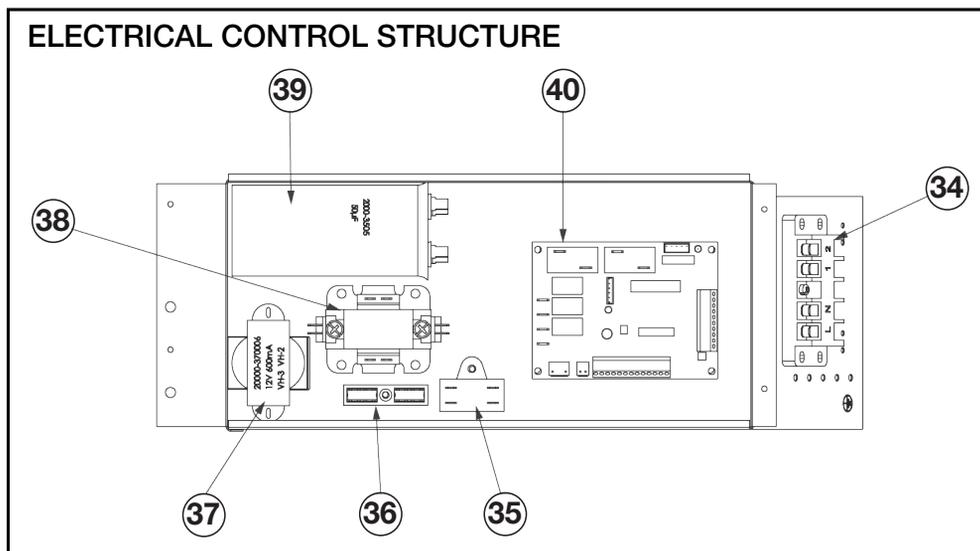
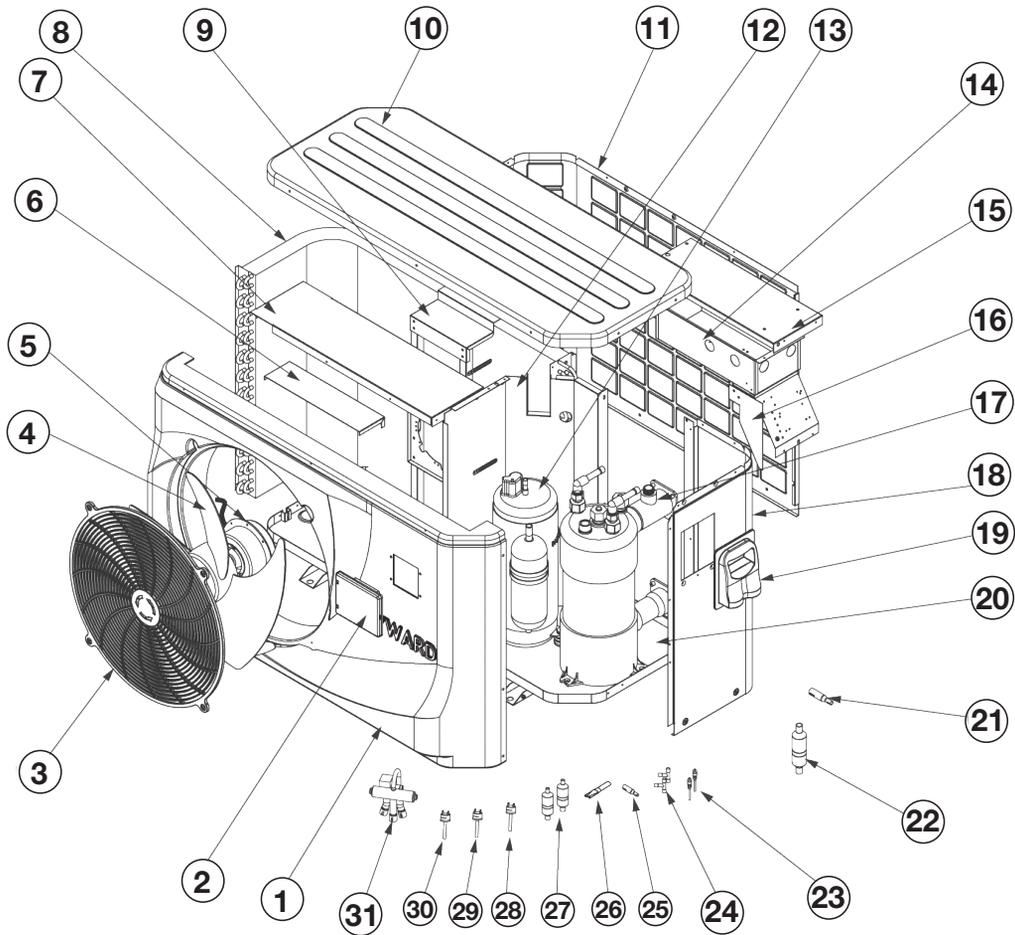
### Parts Listing

Ref. No.	Part No.	Description
1	HPX20000-220169	Fan Protection Grille
2	HPX20000-270004	Fan Blade
3	HPX20000-330134	Fan Motor
4	HPX32017-220001	Front Panel
5	HPX32009-210219	Support Panel
6	HPX32009-210634	Fan Motor Bracket
7	HPX32009-210635	Electrical Box Cover
8	HPX20000-370003	Transformer 230V-12V
9	HPX32017-210010	Back Panel
10	HPX20000-140237	Electronic Expansion Valve
11	HPX2000-3509	Fan Motor Capacitor (5uF)
12	HPX2000-3909	Terminal Block 2 Connections
13	HPX2000-3524	Compressor Capacitor
14	HPX20000-360222	Compressor Contactor
15	HPX32017-220004	Top Cover
16	HPX20000-360005	Flow Switch
17	HPX2001-3605	High Pressure Switch
18	HPX2000-390237	Terminal Block 3 Connections
19	HPX2000-3603	Low Pressure Switch
20	HPX20000-3510	Compressor Capacitor
21	HPX35012-120001	Fin Coil
22	HPX32009-210633	Electrical Box
23	HPX32009-220029	Protection Cover
24	HPX32009-210630	Right Panel
25	HPX32010-120012	PVC-Titanium Condenser
26	HPX2000-3242	Water Outlet Sensor
27	HPX2000-3242	Water Inlet Sensor
28	HPX32009-210632	Bottom Panel
29	HPX32009-210631	Center Wall
30	HPX20000-110142	Compressor
31	HPX3400-2203	Drain Connector
32	HPX2001-1491	4-Way Valve
33	HPX72200074	PC1001
34	HPX3500-1401	Gas-Liquid Separator
35	HPX95005-310261	LED Controller
36	HPX20000-390237	Terminal Block 3 Connections
37	HPX20000-230595	Brand
38	HPX32017-220003	Stripe 2 of Front Panel
39	HPX32017-220002	Stripe 1 of Front Panel

# HP50CL

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



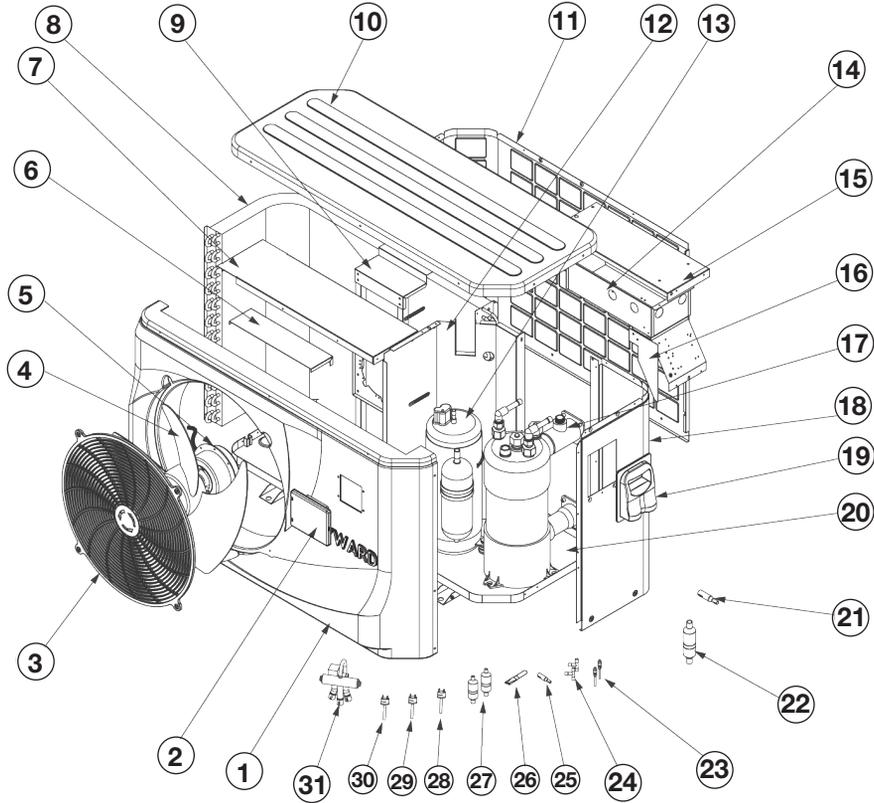
### Parts Listing

Ref. No.	Part No.	Description
1	HPX80900197	Front Frame
2	HPX95005-310456	LED301
3	HPX20000-220188	Plastic Fan Net
4	HPX3500-2701	Fan Blade
5	HPX20000-330124	Motor
6	HPX32008-210069	Before the fixed plate
7	HPX32012-210737	Support Plate
8	HPX32012-120165	Finned Heat Exchanger
9	HPX32012-210742	Motor Bracket
10	HPX32012-220009	Top
11	HPX80700707	On the left side of the plate
12	HPX80700713	Partition
13	HPX20000-110041	Compressor
14	HPX32012-210739	Electrical Box
15	HPX32012-210740	Cover Plate
16	HPX32012-210220	Fire Damper
17	HPX32012-120036	Titanium Tube Heat Exchanger
18	HPX80700706	Right Side of the Plate
19	HPX32009-220029	Junction Box Body
20	HPX80700708	Chassis
21	HPX2002-1443	Get Straight Through
22	HPX2001-1499	Check Valve
23	HPX20000-140150	Needle Valve
24	HPX2000-1460	Tee
25	HPX20000-140058	Get Straight Through
26	HPX20000-140067	Double Capillary Joint
27	HPX2004-1444	Filter
28	HPX2000-3603	Pressure Switch
29	HPX2001-3605	Pressure Switch
30	HPX20000-360059	Pressure Switch
31	HPX2001-1418	Four-way Valve
32	HPX2000-3505	Compressor Capacitor
33	HPX72200074	PC1001
34	HPX20000-390231	Five Position Connector
35	HPX2000-3501	Fan Capacitor
36	HPX2000-3909	Two Position Connector
37	HPX20000-370006	Power Transformer
38	HPX20000-360103	Single-phase AC Contactor

# HP65CL

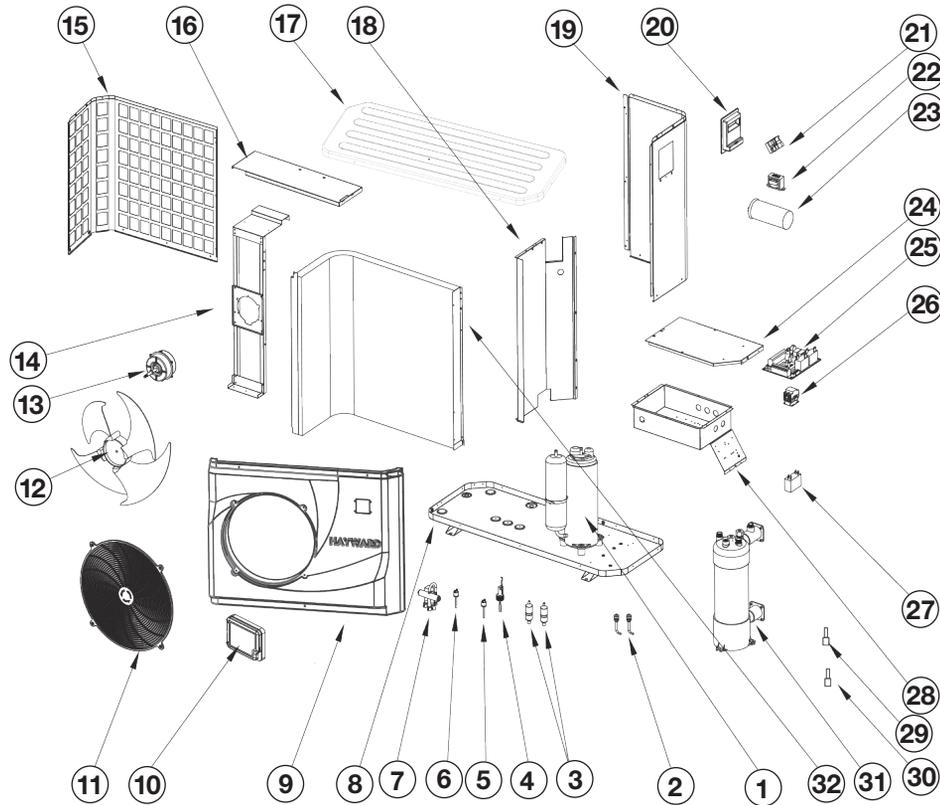
## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram and Parts Listing



Ref. No.	Part No.	Description
1	HPX20000-110192	Compressor
2	HPX20000-140153	Needle Valve
3	HPX2004-1444	Filter
4	HPX20000-360005	Water Flow Switch
5	HPX2000-3603	Pressure Switch
6	HPX20000-360059	Pressure Switch
7	HPX2004-1437	4-way Valve
8	HPX80901028	Front Panel
9	HPX72200268	LED207 Wire Controller
10	HPX20000-220169	Plastic Fan Net
11	HPX20000-270004	Axial Flow Fan
12	HPX20000-330143	Axial Flow Fan
13	HPX32009-210204	Fan Motor Bracket
14	HPX80708920	Back Net
15	HPX32009-210331	Top Cover
16	HPX32009-210220	Middle Partition
17	HPX80711034	Right Panel
18	HPX20000-220284	The Junction Box Body
19	HPX2000-3909	3-position Terminal Block
20	HPX20000-370006	Transformer
21	HPX2000-3524	Compressor Capacitor
22	HPX72200074	PC1001 Controller
23	HPX20000-360125	AC Contactor
24	HPX2000-3509	Fan Capacitor
25	HPX2000-3242	Sensor
26	HPX2000-3223	Sensor
27	HPX32009-120025	Titanium Tube Heat Exchanger
28	HPX32009-120021	Fin Heat Exchanger

### Parts Diagram and Parts Listing

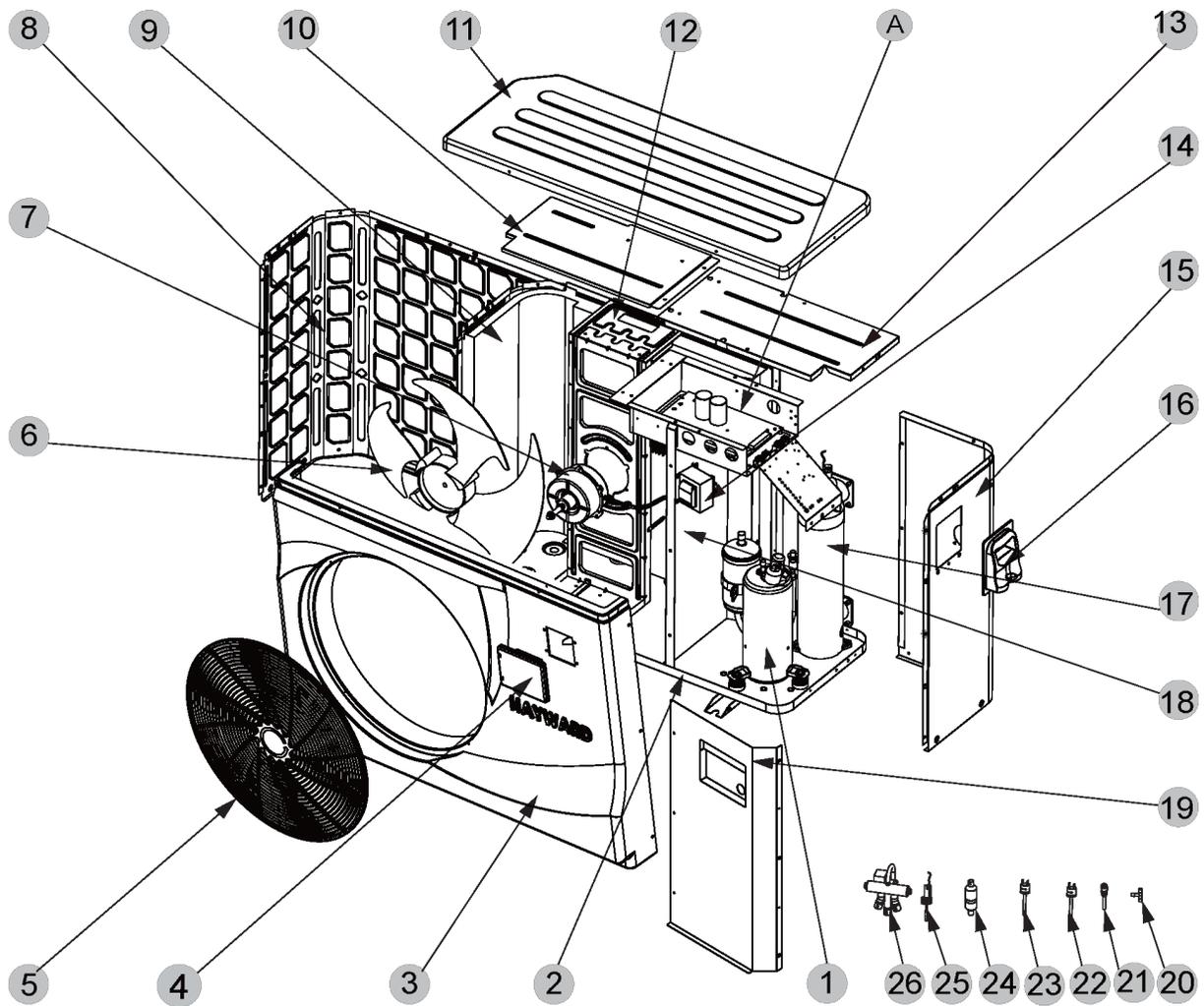


Ref. No.	Part No.	Description
1	HPX20000-110038	Compressor
2	HPX20000-140153	Needle Valve
3	HPX2004-1445	Filter
4	HPX20000-360005	Water Flow Switch
5	HPX2000-3603	Pressure Switch
6	HPX20000-360059	Pressure Switch
7	HPX2001-1491	4-way Valve
8	HPX80901028	Front Panel
9	HPX72200268	LED207 Wire Controller
10	HPX20000-220169	Plastic Fan Net
11	HPX20000-270004	Axial Flow Fan
12	HPX20000-330143	Axial Flow Fan
13	HPX32009-210204	Fan Motor Bracket
14	HPX80708920	Back Net
15	HPX32009-210331	Top Cover
16	HPX32009-210220	Middle Partition
17	HPX80711034	Right Panel
18	HPX20000-220284	The Junction Box Body
19	HPX2000-3909	3-position Terminal Block
20	HPX20000-370006	Transformer
21	HPX2000-3524	Compressor Capacitor
22	HPX72200074	PC1001 Controller
23	HPX20000-360125	AC Contactor
24	HPX2000-3509	Fan Capacitor
25	HPX2000-3242	Sensor
26	HPX2000-3223	Sensor
27	HPX32010-120012	Titanium Tube Heat Exchanger
28	HPX32009-120021	Fin Heat Exchanger

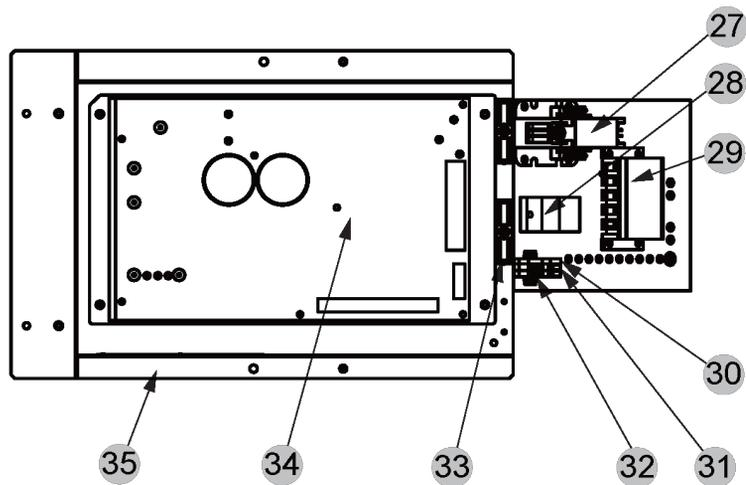
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## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



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Heating

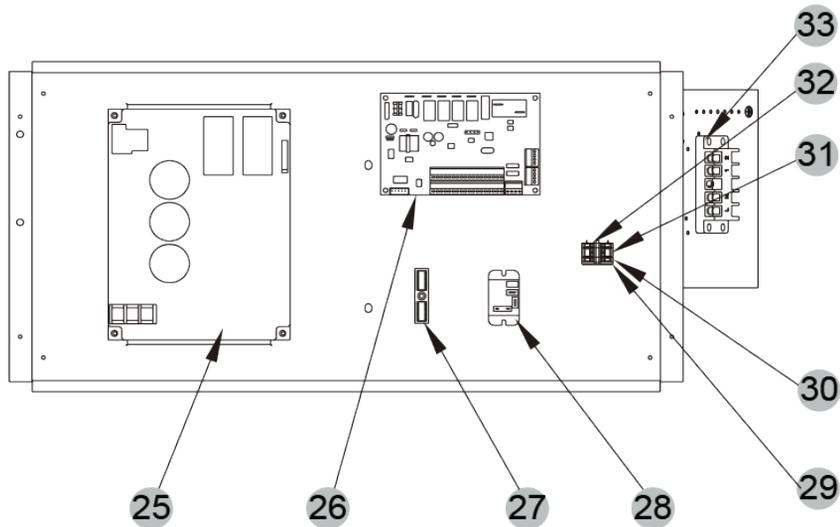
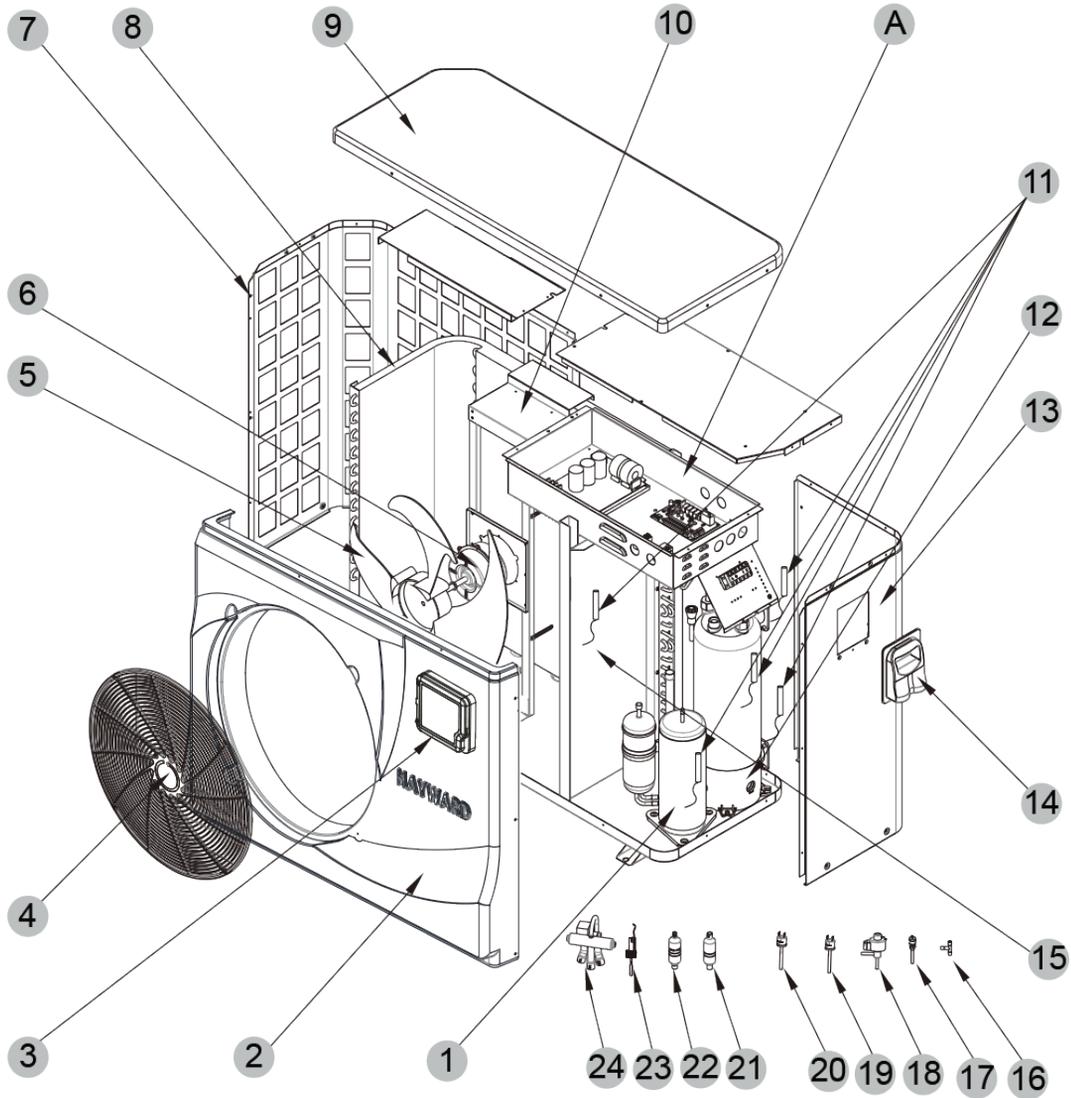
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	HPX80100139	Compressor	1
2	HPX80700454	Chassis Assembly	1
3	HPX809000000085	Front Panel	1
4	HPX72200516	LED206	1
5	HPX20000-220369	Fan Net	1
6	HPX20000-270004	Axial Fan Blade	1
7	HPX20000-330132	Fan Motor	1
8	HPX807000000727	Left Side Panel	1
9	HPX80600044	Finned Heat Exchanger	1
10	HPX80715865	Support Plate	1
11	HPX301090-20080006	Top Cover	1
12	HPX80718435	Motor Bracket Assembly	1
13	HPX80723121	Electrical Box Cover	1
14	HPX82500021	Reactor	1
15	HPX80721065	Right Side Panel	1
16	HPX32009-220029	Junction Box Body	1
17	HPX72300016	Titanium Tube Heat Exchanger	1
18	HPX80715858	Middle Baffle	1
19	HPX807000001307	Connect the Board Assembly	1
20	HPX2000-1460	Three Links	1
21	HPX20000-140150	Needle Valve	1
22	HPX20000-360157	Low Pressure Switch	1
23	HPX2001-3605	High Pressure Switch	1
24	HPX2000-1499	Filter	2
25	HPX83000068	Flow Switch	1
26	HPX2004-1437	Four-Way Valve	1
27	HPX20000-360006	AC Contactor	1
28	HPX20000-360297	Relay	1
29	HPX20000-390231	5-Position Terminal Block	1
30	HPX20000-390047	Terminal Block	1
31	HPX20000-390046	Terminals	1
32	HPX20000-390049	Terminals	1
33	HPX2000-3909	2-Position Terminal Block	2
34	HPX722000000011	Driver Board	1
35	HPX80715860	Electrical Box Assembly	1

# HP50CLEE

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



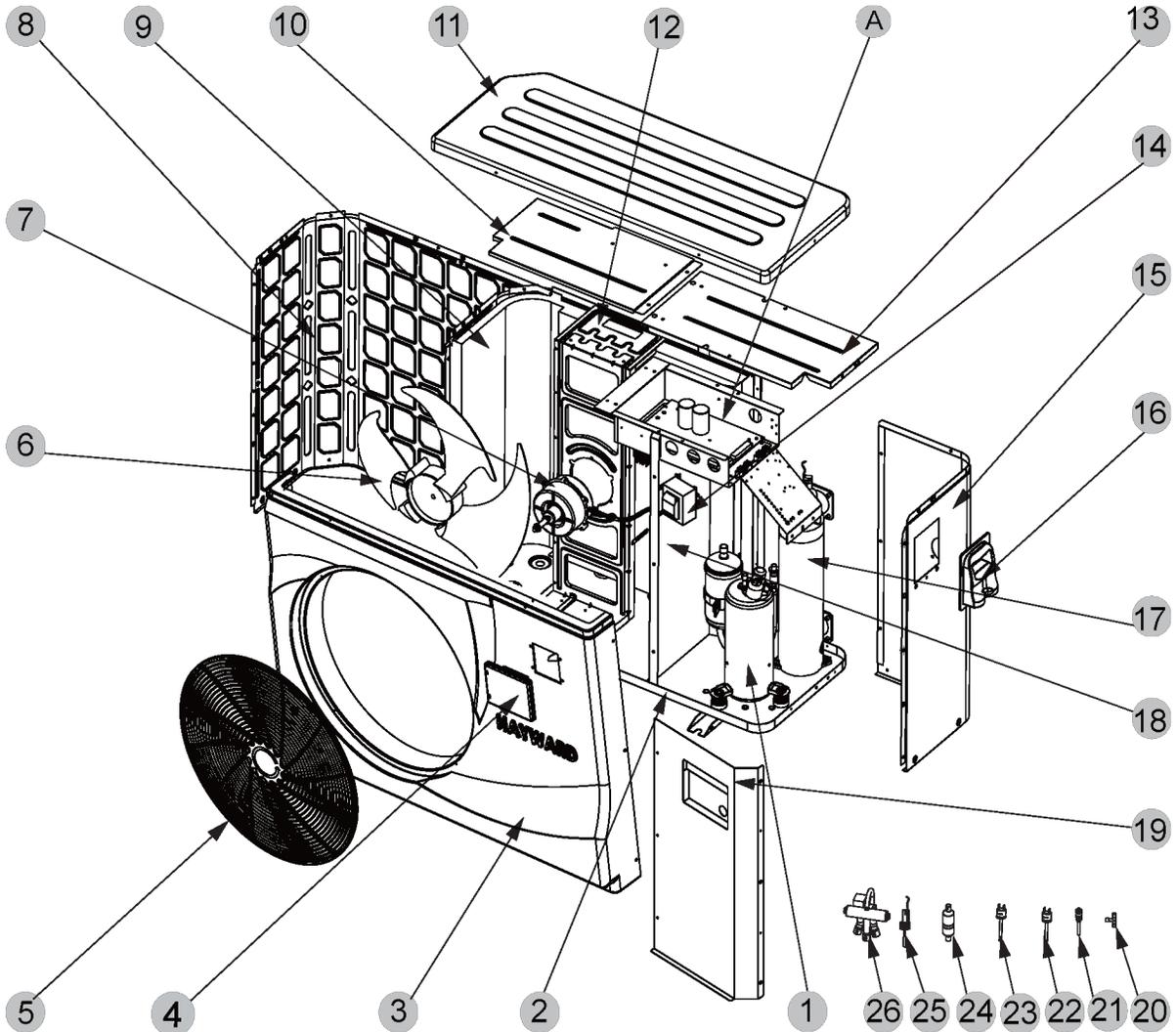
### Parts Listing

Ref. No.	Part No.	Description
1	HPX20000-110436	Compressor
2	HPX80708329	Chassis Assembly
3	HPX80901069	Front Frame
4	HPX72200348	LED302
5	HPX20000-220169	Fan Net
6	HPX20000-270004	Axial Fan Blade
7	HPX20000-330132	DC
8	HPX80708331	Left Side Panel
9	HPX32012-120166	Finned Heat Exchanger
10	HPX32012-210493	Support Plate
11	HPX32012-210489	Top Cover
12	HPX32012-210570	Motor Bracket Assembly
13	HPX32008-210167	Condenser Splint
14	HPX32012-210494	Electrical Box Cover
15	HPX2000-3242	Sensor
16	HPX301060-20120002	Titanium Tube Heat Exchanger
17	HPX80708330	Right Side Panel
18	HPX32009-220029	Junction Box Body
19	HPX32012-210796	Middle Baffle
20	HPX2000-1460	Three Links
21	HPX20000-140150	Needle Valve
22	HPX20000-140449	Electronic Expansion Valve
23	HPX20000-360157	Low Pressure Switch
24	HPX2001-3605	High Pressure Switch
25	HPX2004-1444	Filter
26	HPX20000-140618	Filter
27	HPX20000-360005	Flow Switch
28	HPX20000-140484	Four-way valve
29	HPX80701652	Electrical Box Assembly
30	HPX20000-310170	Variable Frequency Drive
31	HPX51100087001	PC1004
32	HPX2000-3909	2-position Terminal Block
33	HPX20000-360297	Relay
34	HPX20000-390047	Terminal Block
35	HPX20000-390046	Terminals
36	HPX20000-390048	Terminals
37	HPX20000-390049	Terminals
38	HPX20000-390231	5-position Terminal Block

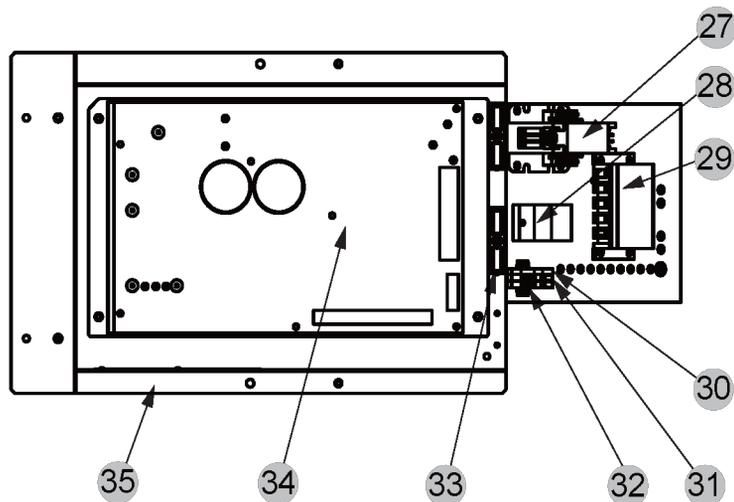
# HP60CLEE1

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



A



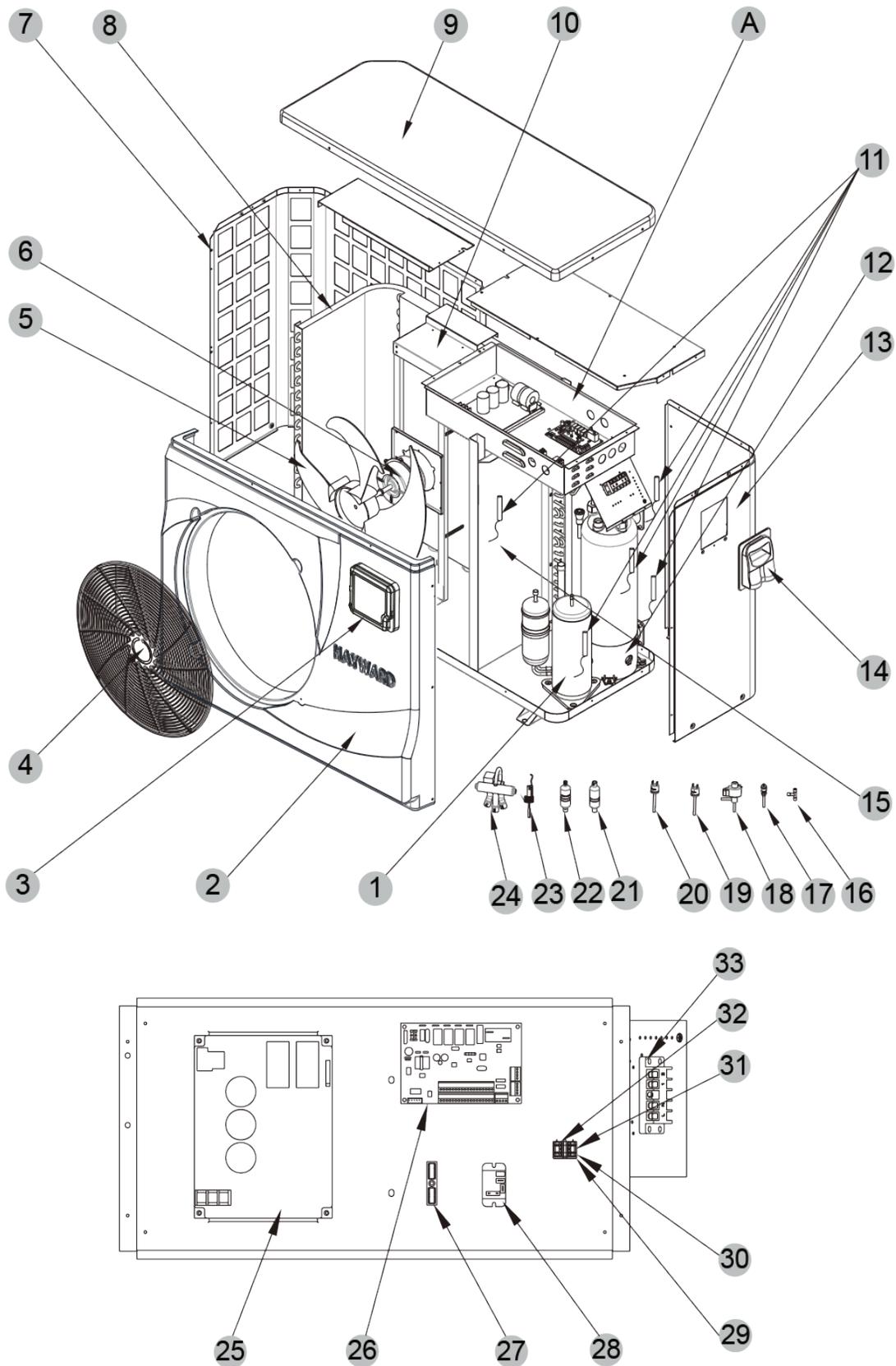
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	HPX80100139	Compressor	1
2	HPX80700454	Chassis Assembly	1
3	HPX809000000085	Front Panel	1
4	HPX72200516	LED206	1
5	HPX20000-220369	Fan Net	1
6	HPX20000-270004	Axial Fan Blade	1
7	HPX20000-330132	Fan Motor	1
8	HPX807000000727	Left Side Panel	1
9	HPX80600044	Finned Heat Exchanger	1
10	HPX80715865	Support Plate	1
11	HPX301090-20080006	Top Cover	1
12	HPX80718435	Motor Bracket Assembly	1
13	HPX80723121	Electrical Box Cover	1
14	HPX82500021	Reactor	1
15	HPX80721065	Right Side Panel	1
16	HPX32009-220029	Junction Box Body	1
17	HPX72300016	Titanium Tube Heat Exchanger	1
18	HPX80715858	Middle Baffle	1
19	HPX807000001307	Connect the Board Assembly	1
20	HPX2000-1460	Three Links	1
21	HPX20000-140150	Needle Valve	1
22	HPX20000-360157	Low Pressure Switch	1
23	HPX2001-3605	High Pressure Switch	1
24	HPX2000-1499	Filter	1
25	HPX83000068	Flow Switch	2
26	HPX2004-1437	Four-way Valve	1
27	HPX20000-360006	AC Contactor	1
28	HPX20000-360297	Relay	1
29	HPX20000-390231	5-Position Terminal Block	1
30	HPX20000-390047	Terminal Block	1
31	HPX20000-390046	Terminals	1
32	HPX20000-390049	Terminals	1
33	HPX2000-3909	2-Position Terminal Block	2
34	HPX722000000011	Driver Board	1
35	HPX80715860	Electrical Box Assembly	1

# HP65CLEE

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



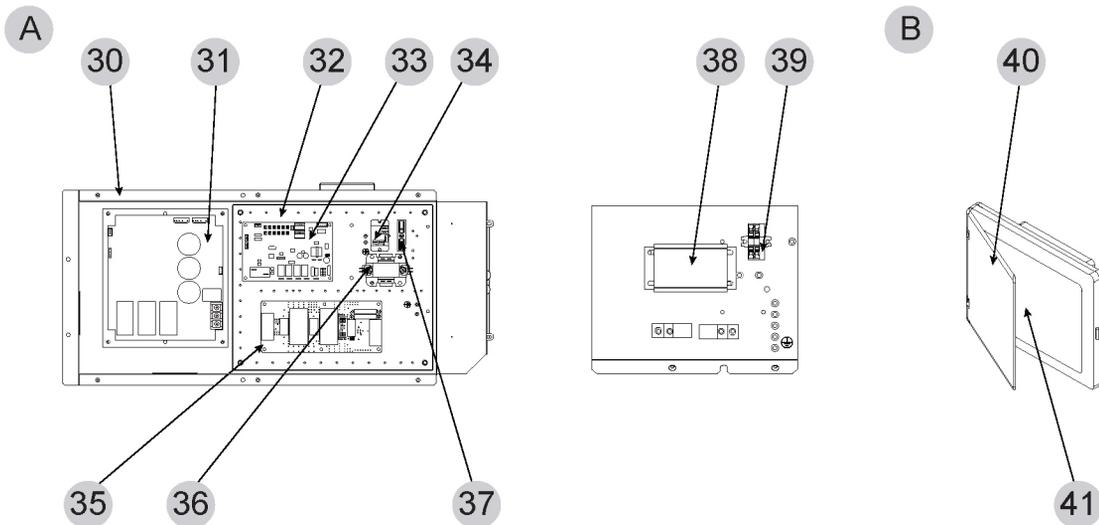
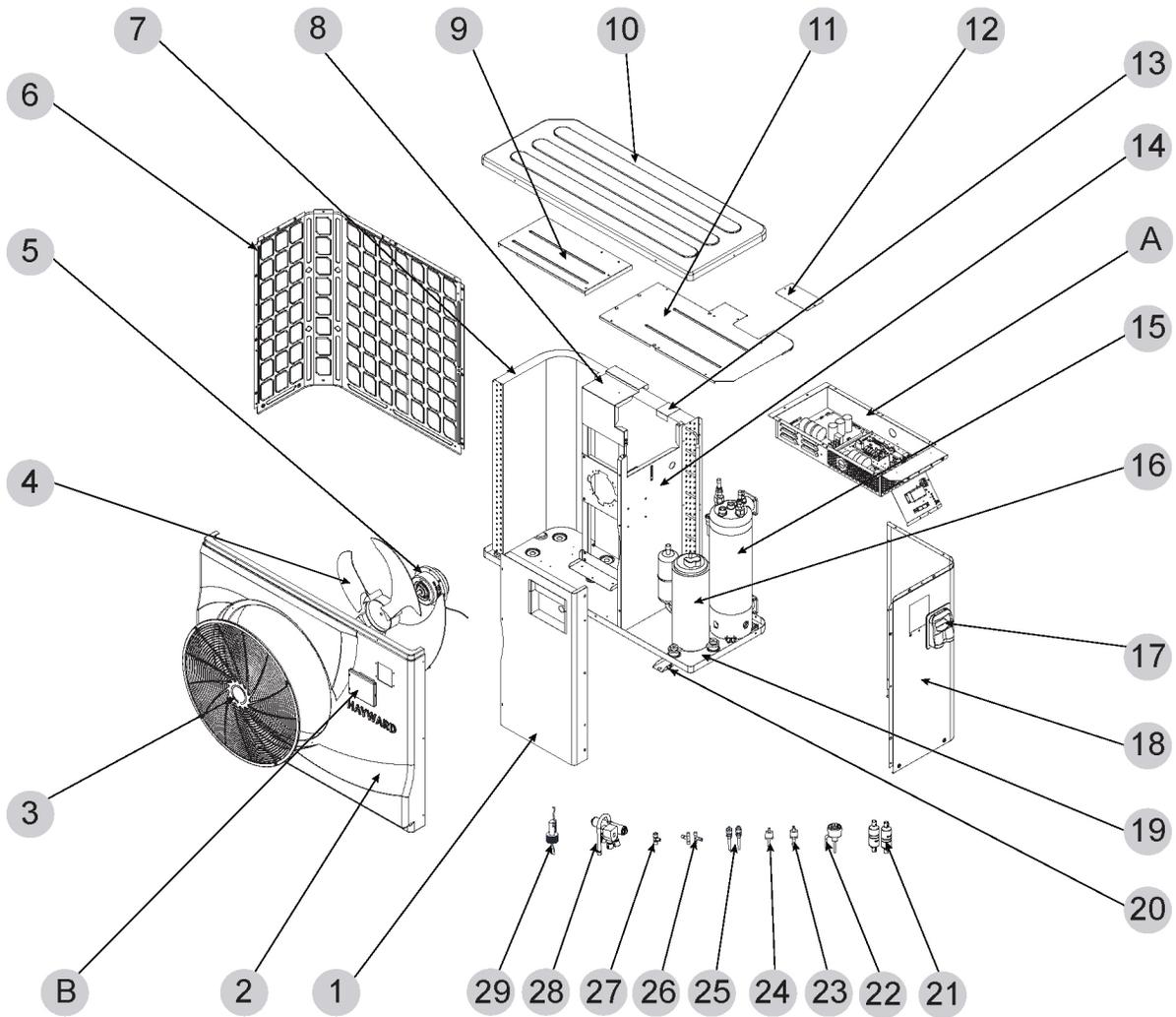
### Parts Listing

Ref. No.	Part No.	Description
1	HPX20000-110433	Compressor
2	HPX80708329	Chassis Assembly
3	HPX80901069	Front Frame
4	HPX72200348	LED302
5	HPX20000-220169	Fan Blade
6	HPX20000-270004	Axial Fan Blade
7	HPX20000-330132	DC
8	HPX80708331	Left Side Panel
9	HPX80600211	Finned Heat Exchanger
10	HPX32012-210493	Support Plate
11	HPX32012-210489	Top Cover
12	HPX32012-210570	Motor Bracket Assembly
13	HPX32012-210494	Electrical Box Cover
14	HPX2000-3242	Sensor
15	HPX72300010	Titanium Tube Heat Exchanger
16	HPX80708330	Right Side Panel
17	HPX32009-220029	Junction Box Body
18	HPX32012-210796	Middle Baffle
19	HPX2000-1460	Three Links
20	HPX20000-140150	Needle Valve
21	HPX20000-140572	Electronic Expansion Valve
22	HPX20000-360157	Low Pressure Switch
23	HPX2001-3605	High Pressure Switch
24	HPX2004-1444	Filter
25	HPX20000-140618	Filter
26	HPX20000-360005	Flow Switch
27	HPX20000-140484	Four-way valve
28	HPX80701652	Electrical Box Assembly
29	HPX20000-310170	Variable Frequency Drive
30	HPX51100087001	PC1004
31	HPX2000-3909	2-position Terminal Block
32	HPX20000-360297	Relay
33	HPX20000-390047	Terminal Block
34	HPX20000-390046	Terminals
35	HPX20000-390048	Terminals
36	HPX20000-390049	Terminals
37	HPX20000-390231	5-position Terminal Block

# HP80CLEE1

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram



Heating

### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	HPX807000001308	Support Plate	1
2	HPX809000000463	Front Panel	1
3	HPX20000-220338	Plastic Fan Net	1
4	HPX301030-00000003	Axial Flow Fan Blade	1
5	HPX20000-330309	DC Motor	1
6	HPX807000000706	Back Net	1
7	HPX80601367	Finned Tube Heat Exchanger	1
8	HPX80712877	Motor Bracket	1
9	HPX80713855	Left Upper Panel	1
10	HPX80900076	Top Cover	1
11	HPX80723024	Electrical Box Cover	1
12	HPX807000000377	Connecting Plate	1
13	HPX35012-210121	Fixed Block	1
14	HPX807000000376	Middle Plate	1
15	HPX72300134	Titanium Heat Exchanger	1
16	HPX80100069	Compressor	1
17	HPX32009-220029	Wiring Box	1
18	HPX807000004262	Right Plate	1
19	HPX807000004264	Chassis	1
20	HPX20000-390176	Ground Ring Terminal	1
21	HPX2004-1444	Filter	2
22	HPX20000-140575	Electronic Expansion Valve	1
23	HPX20000-360157	Low Pressure Switch	1
24	HPX2001-3605	High Pressure Switch	1
25	HPX20000-140150	Needle Valve	1
26	HPX2000-1460	Tee-Joints	2
27	HPX304030-00002	Tee-Joints	1
28	HPX2004-1437	Four-Way Valve	1
29	HPX83000012	Water Flow Switch	1
30	HPX80718249	Electrical Box	1
31	HPX82300341	Phase Inverter Driver	1
32	HPX80713856	Electric Box Scaleboard	1
33	HPX72200463	PC1004-G	1
34	HPX20000-360297	Relay	1
35	HPX82300342	Filter Plate	1
36	HPX20000-360006	AC Contactor	1
37	HPX2000-3909	2-Position Wire Holder	1
38	HPX20000-390231	5-Position Wire Holder	1
39	—	2-Position Wire Holder	1
40	HPX301090-00000013	Waterproof Box	1
41	HPX72200516	LED206 User Interface	1



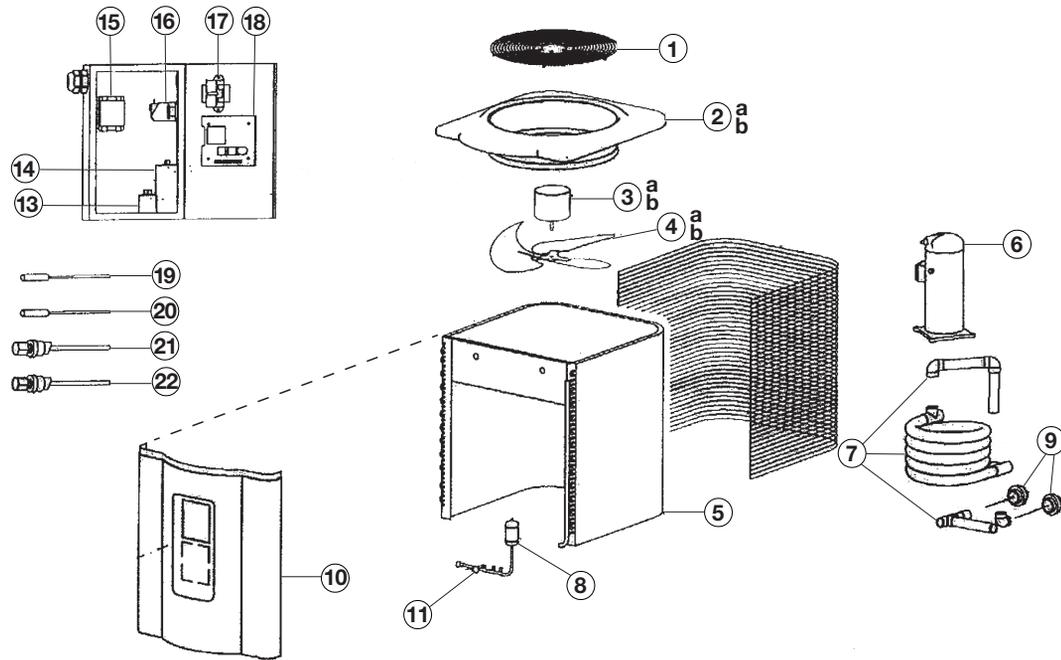
### Parts Listing

Ref. No.	Part No.	Description
1	HPX20000-110433	Compressor
2	HPX80708329	Chassis Assembly
3	HPX80901069	Front Frame
4	HPX72200348	LED302
5	HPX20000-220169	Fan Net
6	HPX20000-270004	Axial Fan Blade
7	HPX20000-330132	DC
8	HPX80708331	Left Side Panel
9	HPX80600211	Finned Heat Exchanger
10	HPX32012-210493	Support Plate
11	HPX32012-210489	Top Cover
12	HPX32012-210570	Motor Bracket Assembly
13	HPX32012-210494	Electrical Box Cover
14	HPX2000-3242	Sensor
15	HPX72300010	Titanium Tube Heat Exchanger
16	HPX80708330	Right Side Panel
17	HPX32009-220029	Junction Box Body
18	HPX32012-210796	Middle Baffle
19	HPX2000-1460	Three Links
20	HPX20000-140150	Needle Valve
21	HPX20000-140572	Electronic Expansion Valve
22	HPX20000-360157	Low Pressure Switch
23	HPX2001-3605	High Pressure Switch
24	HPX2004-1444	Filter
25	HPX20000-140618	Filter
26	HPX20000-360005	Flow Switch
27	HPX20000-140484	Four-Way Valve
28	HPX80701652	Electrical Box Assembly
29	HPX20000-310170	Variable Frequency Drive
30	HPX51100087001	PC1004
31	HPX2000-3909	2-position Terminal Block
32	HPX20000-360297	Relay
33	HPX20000-390047	Terminal Block
34	HPX20000-390046	Terminals
35	HPX20000-390048	Terminals
36	HPX20000-390049	Terminals
37	HPX20000-390231	5-position Terminal Block

# Summit & HeatMaster

## HEAT PUMP REPLACEMENT PARTS

### Parts Diagram: Summit, HeatMaster



### Parts Listing: SUM25TAC, SUM3TAC, SUM4TAC, SUM5TAC, SUM8TAC

Ref. No.	Part No.	Description
2	SMX30500004	Motor Support Grid
3a	SMX309077011	Top Panel - Tan
3b	SMX309077021	Top Panel - Black
4a	SMX303088001	Fan Motor (25TAC, 3TAC, 4TAC)
4b	SMX300055036	Fan Motor (5TAC, 7TAC)
5a	SMX303140002	Fan Blade (25TAC, 3TAC, 4TAC)
5b	SMX303140003	Fan Blade (5TAC, 7TAC)
8	SMX305099004	Coil
9	SMX301140003	Compressor
11	SMX300055034	Filter - Dryer
12 (NLA)	SMX300055073	2" Union (for production of Summit heat pumps prior to 2009)
18a	SMX309077013	Front Panel (25TAC)
18b	SMX309099013	Front Panel (3TAC, 4TAC, 5TAC)
18c	SMX309099015	Front Panel (7TAC)
21a	SMX305077002	Expansion Valve (25TAC)
21b	SMX305040001	Expansion Valve (3TAC)
21c	SMX305050001	Expansion Valve (4TAC)
21d	SMX305055001	Expansion Valve (5TAC)
21e	SMX305099006	Expansion Valve (7TAC)
22	SMX306088001	Fan Run Capacitor 5 UF/370 VAC
23	HPX11024270	Compressor Run Capacitor 45 UF/370 VAC
26	SMX306000004	Transformer
27	SMX306000016	Electronic Board
28	SMX306000023	Air Temperature Probe
29	SMX306000024	Water Temperature Probe
30	SMX306000001	Low Pressure Switch
31	SMX306000002	High Pressure Switch
	SMX307000010	Check Valve

# Summit & HeatMaster

## HEAT PUMP REPLACEMENT PARTS

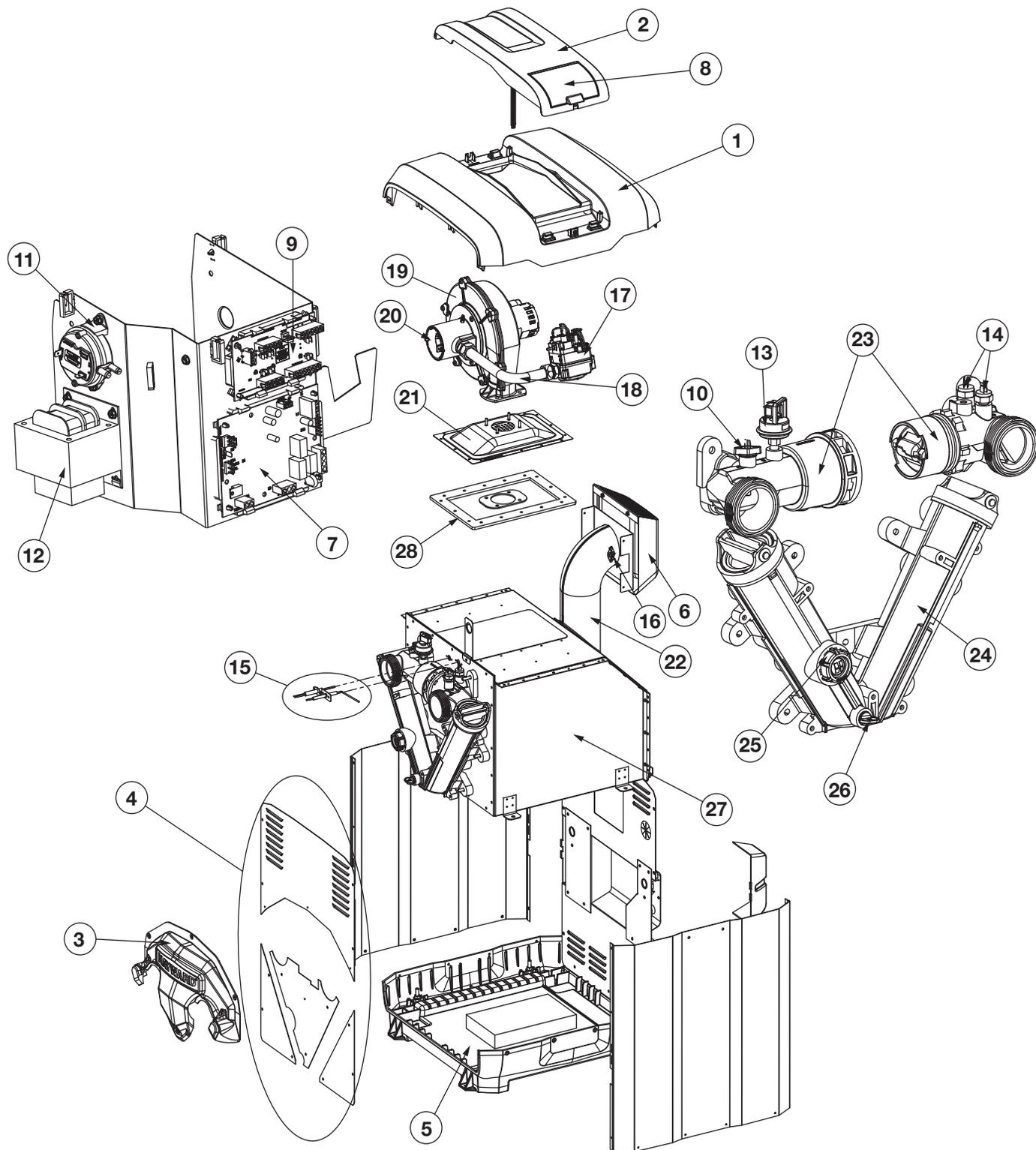
Parts Listing: SUM25TAC, SUM3TAC, SUM45TAC, SUM5TAC, SUM8TAC, HML50TA, HML65TA, HML80TA, HML110TA, HML125TA

Ref. No.	Part No.	Description
4a	SMX303088001	Fan Motor (25TAC, 3TAC, 45TAC, HML50TA, HML65TA, HML80TA)
4b	SMX300055036	Fan Motor (5TAC, 8TAC, HML110TA, HML125TA)
9	SMX11024624	Compressor (25TAC, HML50TA)
9	SMX11024622	Compressor (3TAC, HML65TA)
9	SMX11024621	Compressor (45TAC) HML80TA
9	SMX301150010	Compressor (5TAC) HML110TA
9	SMX11012755	Compressor (8TAC) HML125TA
10	SMX24024500	Condenser (25TAC, HML50TA)
10	SMX24024804	Condenser (3TAC, 45TAC, HML65TA, HML80TA)
10	SMX24024804	Condenser (45TAC) HML80TA
10	SMX24024509	Condenser (5TAC) HML110TA (Pre 2018)
10	SMX2401348501	Condenser (5TAC) HML110TA (2018 and onward)
10	SMX24024864	Condenser (8TAC)
10	SMX24024509	Condenser (HML80TA)
10	SMX24022371	Condenser (HML125TA)
11	HPX1462	Filter Dryer
12	SPX3200UNKIT	Coupling
21	SMX15024592	TXV Assembly (25TAC, HML50TA)
21	SMX15024593	TXV Assembly (3TAC, HML65TA)
21	SMX15024594	TXV Assembly (45TAC, HML80TA)
21	SMX15024595	TXV Assembly (5TAC, HML110TA)
21	SMX15024907	TXV Assembly (8TAC) HML125TA
22	SMX306088001	Fan Run Capacitor (25TAC, 3TAC, 45TAC, HML50TA, HML65TA, HML80TA) 5uF/370 VAC
22	HPX11024151	Fan Run Capacitor (5TAC, 8TAC, HML110TA, HML125TA) 7.5uF/370 VAC
23	SMX306150002	Compressor Capacitor (25TAC, HML50TA) 50 uF/440 VAC
23	HPX11024154	Compressor Capacitor (3TAC, HML65TA) 60 uF/440 VAC
23	HPX11024272	Compressor Capacitor (45TAC, HML80TA) 70uF/370 VAC
23	SMX11022320	Compressor Capacitor (5TAC, 8TAC, HML110TA, HML125TA) 80 uF/370 VAC
24	HPX1985	Contactator
25	HPX2181	Water Pressure Switch
26	HPX11023693	Transformer
27	HPX5110122201	Control Board Assembly
28	SMX306000023	Defrost (Coil) Sensor
29	SMX306000024	Water Sensor
30	HPX11024259	LP Switch
31	HPX11024258	HP Switch
—	SMX306066002	Compressor Elect. Plug(NS)
—	SMX15026191	Hot Gas Bypass Valve
—	SMX26024729	Acoustic Cap, 50K BTU's
—	SMX26024728	Acoustic Cap, HML125BTA
—	SMX26024537	Acoustic Cap, 65K, 80K, 110K BTU's

# Universal HC Series Small Footprint Heater

HEATING REPLACEMENT PARTS

Parts Diagram: HDF400, HDF275



Heating

# Universal HC Series Small Footprint Heater

HEATING REPLACEMENT PARTS

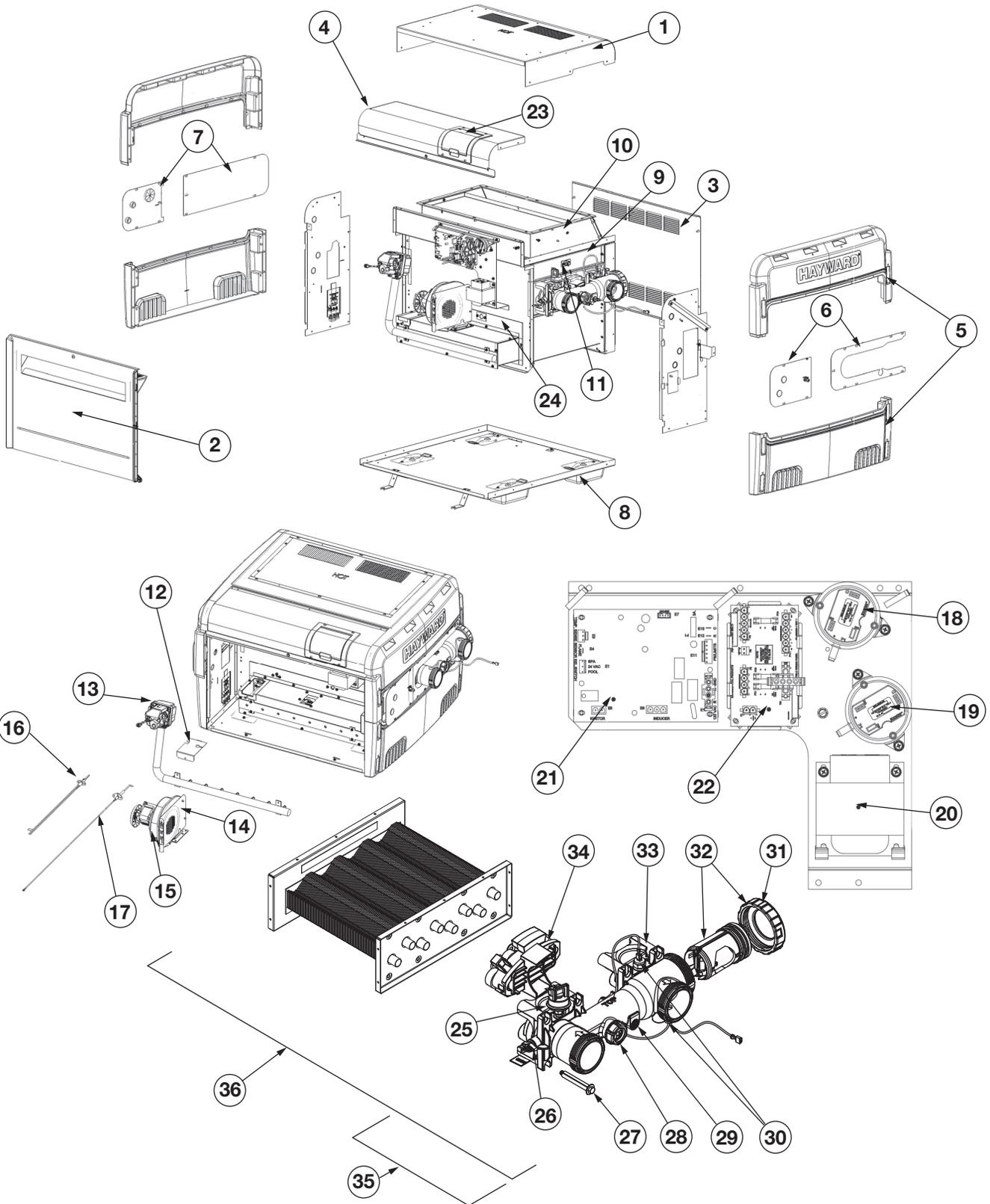
## Parts Listing: HDF400, HDF275

Ref. No.	Part No.	Description	Ctn. Qty.
1	HDXFTOP001	Cabinet Top	1
2	HDXFCAP001	Control Access Panel Assembly	1
3	HDXFHCC001	Header Controls Cover	1
4	HDXFWTP001	Water Side Trim Panels	1
5	HDXFBOT001	Cabinet Base	1
6	HDXFEXB001	Exhaust Box Assembly	1
7	HDXFICBRD001	Ignition Control Board	30
8	HDXFUIBRD001	Display Board and Ribbon Cable	30
9	FDXLFWP1930	Field Wiring Panel (Fuse Board)	30
10	FDXLTER1931	Thermistor	20
11	HDXFDPS400	Differential Pressure Switch	16
12	IDXL2TRF1930	Transformer	6
13	FDXLWPS1931	Water Pressure Switch	25
14	HDXFHLI400	HDF High Limit Kit	1
	HDXFHLI275	HDF High Limit Kit	1
15	HDXFIGFS002	Ignitor and Flame Sensor	20
16	FDXLEGL1930	Exhaust Gas Temperature Limit	25
17	HDXFGSV001	Gas Valve	10
18	HDXFMAN001	Gas Manifold	1
19	HDXFBWR001	Combustion Blower	1
	HDXFBWR275	Combustion Blower	1
20	HDXFMXN400	Natural Gas Fuel/Air Mixer	25
	HDXFMXN275	Natural Gas Fuel/Air Mixer	25
	HDXFMXP400	Propane Fuel/Air Mixer	25
	HDXFMXP275	Propane Fuel/Air Mixer	25
21	HDXFBRN400	Burner	1
22	HDXFEXP001	Exhaust Pipe Assembly	1
23	HDXFIOH001	HDF Inlet/Outlet Header Kit	1
24	HDXFVHD001	V-Header Assembly	1
25	CHXPLG1930	Pressure Relief Threaded Plug	25
26	SPX4000FG	Drain Plug With O-Ring	50
27	HDXFHXA400	HDF Combustion Chamber Replacement Kit	1
	HDXFHXA275	HDF Combustion Chamber Replacement Kit	1
28	HDXFBSGK400	Gasket Kit, Blower/Burner	25
<b>Kits Not Shown in Diagram</b>			
—	HDXFWHA001	Wiring Harness Kit, Complete	20
—	HDXFHDW001	HDF Header Hardware Kit	16
—	SPX3200UNKIT	Union Flange Kit	10
—	HDXFORK001	HDF Header O-Ring Kit	25
—	FDXLFSK1930	Fuse Service Kit	25
—	FDXLFSKC30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty 10)	25
—	HDXFEAK001	Electrical Accessory Kit	16
—	HDXFTUB001	Silicone Tubing Kit	1
—	HDXFHFA004	Exhaust Vent Adapter	1
—	HDXFINVNT400	Direct Vent Accessory Kit	1
—	HDXFINVNT275	Direct Vent Accessory Kit	1
—	HDXFHIALT400	High Altitude Installation Kit	3
—	HDXFRBCBL001	Ribbon Cable Extension	20

# Universal H-Series Low NOx

## REPLACEMENT PARTS

Parts Diagram: H150FD, H200FD, H250FD, H300FD, H350FD, H400FD, H500FD



Heating

# Universal H-Series Low NOx

## REPLACEMENT PARTS

### Parts Listing: H150FD, H200FD, H250FD, H300FD, H350FD, H400FD, H500FD

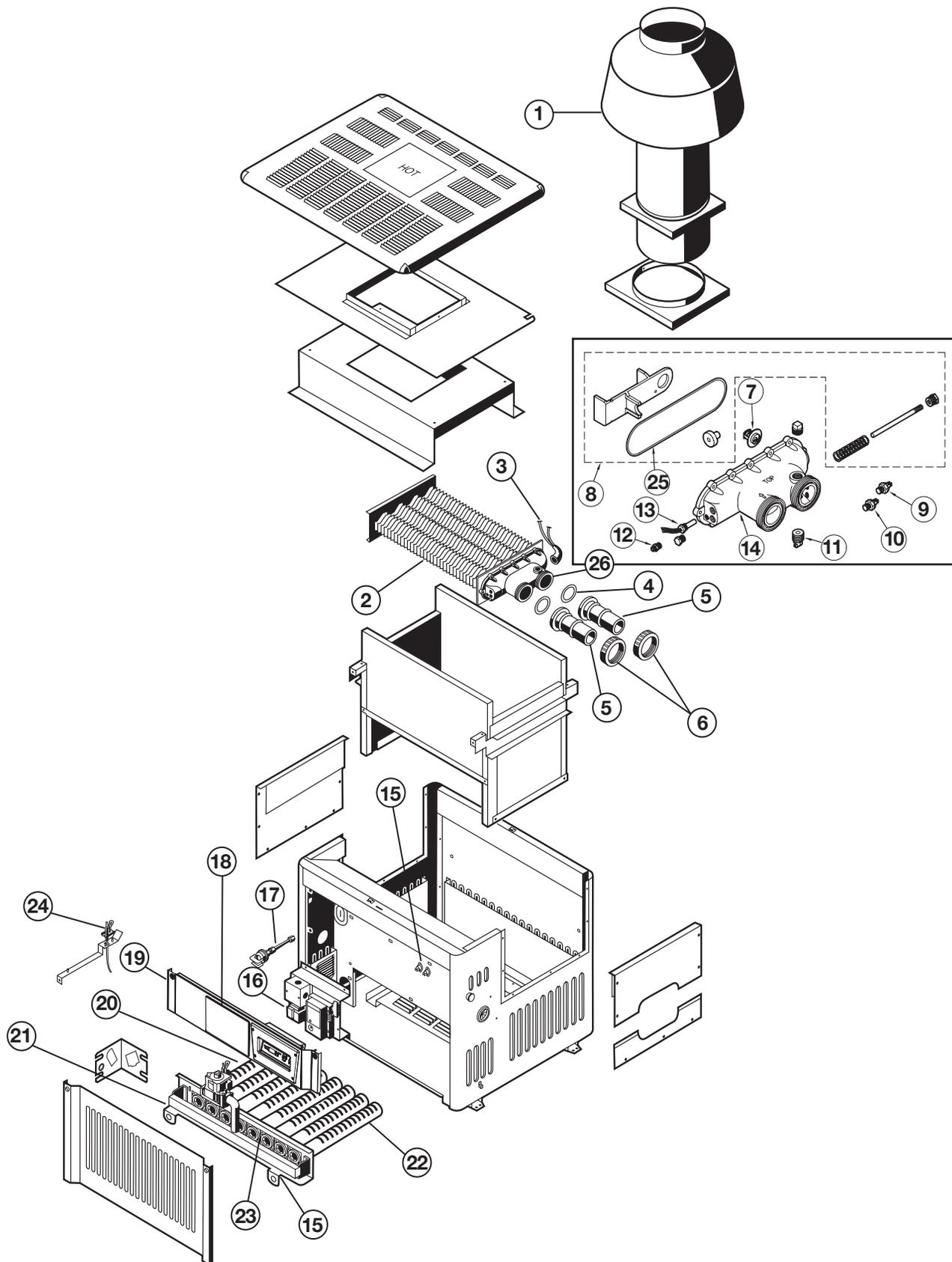
Ref. No.	Part No.							Description
	150	200	250	300	350	400	500	
1	FDXLJKT11501	FDXLJKT1201	FDXLJKT1251	FDXLJKT1301	FDXLJKT13501	FDXLJKT1401	FDXLJKT1501	Jacket Top
2	FDXLFAD11501	FDXLFAD1201	FDXLFAD1251	FDXLFAD1301	FDXLFAD13501	FDXLFAD1401	FDXLFAD1501	Front Access Door Assembly
3	—	FDXLRAD1201	FDXLRAD1251	FDXLRAD1301	FDXLRAD13501	FDXLRAD1401	FDXLRAD1501	Rear Access Door Assembly
4	FDXLTFP1150	FDXLTFP1201	FDXLTFP1251	FDXLTFP1301	FDXLTFP13501	FDXLTFP1401	—	Top Front Panel
5	FDXLBEC1930	—	—	—	—	—	—	End Cap Panels
6	FDXL RTP1930	—	—	—	—	—	—	Right Side Trim Panels
7	FDXL LTP1930	—	—	—	—	—	—	Left Side Trim Panels
8	FDXLPBL1930	—	—	—	—	—	—	Base Leg
9	FDXL FCS1930	—	—	—	—	—	—	Flue Collector Side Panel with Temperature Limit
10	FDXLRGK1151	FDXLRGK1201	FDXLRGK1251	—	FDXLRGK1351	FDXLRGK1401	FDXLRGK1501	Rain Guard Assembly
11	FDXLEGL1930	—	—	—	—	—	—	Exhaust Gas Temperature Limit (Single-Use)
12	FDXLIAC1930	—	—	—	—	—	—	Igniter Access Cover
13	FDXLGCKW150PN* FDXLGCK1150PN**	FDXLGCKW200PN* FDXLGCK1200PN**	FDXLGCKW250PN* FDXLGCK1250PN**	FDXLGCKW300PN* FDXLGCK1300PN**	FDXLGCKW350PN* FDXLGCK1350PN**	FDXLGCKW400PN* FDXLGCK1400PN**	FDXLGCK1500PN* FDXLGCK1500PN**	Gas Manifold Kit, Natural (Also Used as a Field Conversion from Propane to Natural Gas)
14	FDXLGCKW150NP* FDXLGCK1150NP**	FDXLGCKW200NP* FDXLGCK1200NP**	FDXLGCKW250NP* FDXLGCK1250NP**	FDXLGCKW300NP* FDXLGCK1300NP**	FDXLGCKW350NP* FDXLGCK1350NP**	FDXLGCKW400NP* FDXLGCK1400NP**	FDXLGCKW500NP* FDXLGCK1500NP**	Gas Manifold Kit, Propane (Also Used as a Field Conversion from Natural Gas to Propane)
14	FDXLBBN150	FDXLBBN200	FDXLBBN250	FDXLBBN300	FDXLBBN350	FDXLBBN400	FDXLBBN500	Blower Inlet Baffle (0-2000 ft. Elevation)
15	FDXLBWR1930	—	—	—	—	—	FDXLBWR1500	Combustion Blower
16	FDXLIGN1930	—	—	—	—	—	—	Ignitor
17	IDXLFLS1930	—	—	—	—	—	—	Flame Sensor
18	FDXLVPS1930	—	—	—	—	—	—	Vent Pressure Switch
19	FDXLBVS1930	—	—	—	—	—	—	Blower Vacuum Switch
20	IDXL2TRF1930	—	—	—	—	—	—	Transformer
21	FDXLICB1930	—	—	—	—	—	—	Ignition Control Board
22	FDXLFWP1930	—	—	—	—	—	—	Field Wiring Panel
23	FDXLBKP1932	—	—	—	—	—	—	Bezel and Keypad Assembly (Pre 2016)
	FDXLBKP1150	FDXLBKP1200	FDXLBKP1250	FDXLBKP1300	FDXLBKP1350	FDXLBKP1400	FDXLBKP1500	Bezel and Keypad Upgrade Kit (Includes Top-Front Panel)
24	FDXLGSK1934	—	—	—	—	—	—	Gasket, CC Front/Air Box
25	FDXLWPS1931	—	—	—	—	—	—	Water Pressure Switch
26	FDXLTER1931	—	—	—	—	—	—	Thermistor
27	FDXLHDW1930	—	—	—	—	—	—	Header Hardware Kit
28	CHXPLG1930	—	—	—	—	—	—	3/4" Brass Plug
29	SPX400FG	—	—	—	—	—	—	Drain Plug with Gasket
30	FDXLHL1930	—	—	—	—	—	FDXLHL1500	High Limit Kit
31	FDXL CRN1930	—	—	—	—	—	—	Header Cartridge Retaining Nut
32	FDXLBPK1930	—	—	—	—	—	—	Bypass Cartridge Kit
33	FDXLHMB1930	—	—	—	—	—	—	Header Mounting Base Kit
34	FDXLPRM1930	—	—	—	—	—	—	Return Manifold Replacement Kit
35	FDXL FHA1930	—	—	—	—	—	—	Inlet/Outlet Header Assembly
36	FDXLHXA1150	FDXLHXA1200	FDXLHXA1250	FDXLHXA1300	FDXLHXA1350	FDXLHXA1400	FDXLHXA1500	Heat Exchanger Assembly
<b>NOT SHOWN</b>								
—	FDXLGCKW150PN	FDXLGCKW200PN	FDXLGCKW250PN	FDXLGCKW300PN	FDXLGCKW350PN	FDXLGCKW400PN	—	Gas Valve, Natural
—	FDXLGCKW150NP	FDXLGCKW200NP	FDXLGCKW250NP	FDXLGCKW300NP	FDXLGCKW350NP	FDXLGCKW400NP	—	Gas Valve, Propane
—	FDXLBKP1930	FDXLBKP1930	FDXLBKP1930	FDXLBKP1930	FDXLBKP1930	FDXLBKP1930	—	Bezel only (no display board) (Pre 2016)
—	IDXL2BD1930	IDXL2BD1930	IDXL2BD1930	IDXL2BD1930	IDXL2BD1930	IDXL2BD1930	—	Bezel and display board (Pre 2016)
—	FDXLBON1930	—	—	—	—	—	FDXLBON1500	Burner Orifice Kit, Natural
—	FDXLBOP1390	—	—	—	—	—	FDXLBOP1500	Burner Orifice Kit, Propane
—	FDXLCNK0001	—	—	—	—	—	—	Gas Conversion Kit, Nat To LP
—	FDXLCNK0002	—	—	—	—	—	—	Gas Conversion Kit, LP To Nat
—	SPX3200UNKIT	—	—	—	—	—	—	Union Flange Kit (Includes Fittings, Union Nuts, and Gaskets)
—	FDXLTDK1930	—	—	—	—	—	—	Tie-Down Kit
—	FDXLB RN1930	—	—	—	—	—	—	Burner (Qty. 8)
—	FDXLB RN1931	—	—	—	—	—	—	Burner (Qty. 1)
—	FDXLGSK1934	—	—	—	—	—	—	Insulation, Return Side Tube Sheet
—	FDXLFOR1930	—	—	—	—	—	—	Header O-Ring Kit
—	FDXLWHA1931	—	—	—	—	—	—	Wiring Harness Kit, Complete
—	FDXLFSK1930	—	—	—	—	—	—	Fuse Service Kit
—	FDXLFSKF30	—	—	—	—	—	—	Fuse Kit, 3.0 A, for Field Wiring Panel (Qty 10)
—	FDXLFSKC30	—	—	—	—	—	—	Fuse Kit, 3.0 A, for Ignition Control Board (Qty 10)
—	FDXLHAK1931	—	—	—	—	—	—	High Altitude Conversion Kit, 2,000-10,000 ft. Elevation
—	UHXNEGVT11506 6" DIA	UHXNEGVT12006 6" DIA	UHXNEGVT12506 6" DIA	UHXNEGVT13008 8" DIA	UHXNEGVT13508 8" DIA	UHXNEGVT14008 8" DIA	UHXNEGVT15008 8" DIA	Indoor Vent Adapter Kit, Neg-Press Cat I (Vert)
—	N/A	UHXPOSHZ12504	N/A	—	—	—	—	Indoor Vent 4" Dia Adapter Kit, Pos-Press Cat III (Horz/Vert)
—	UHXHFA004	—	—	—	—	—	—	Heatfab SS 4" Dia Adapter
—	UHXDVA004	—	—	—	—	—	—	Duravent SS 4" Adapter
—	UHXPOSHZ11506 <sup>†</sup>	UHXPOSHZ12006*	UHXPOSHZ12506*	N/A	UHXPOSHZ14006	UHXPOSHZ15006	—	Indoor Vent 6" Dia Adapter Kit, Pos-Press Cat III (Horz/Vert)
—	N/A	UHXHFA006	—	—	—	—	—	Heatfab SS 6" Dia Adapter
—	UHXDVA006	—	—	—	—	—	—	Duravent SS 6" Dia Adapter
—	N/A	UHXPOSHZ13008	UHXPOSHZ13508	UHXPOSHZ14008	N/A	—	—	Indoor Vent 8" Dia Adapter Kit, Pos-Press Cat III (Horz/Vert)

\*Used only on heaters starting with serial number 21132006100051001. \*\*Used only on heaters prior to serial number 21132006100051001.  
<sup>†</sup>No additional parts need to be ordered to install the kit. Adapter kit requires additional vent adapter selection of appropriate UHXHFA or UHXDVA to go along with the pipe system chose for the installation.

# H-Series – Electronic (ED2 Style)

## HEATER REPLACEMENT PARTS

### Parts Diagram



# H-Series – Electronic (ED2 Style)

## HEATER REPLACEMENT PARTS

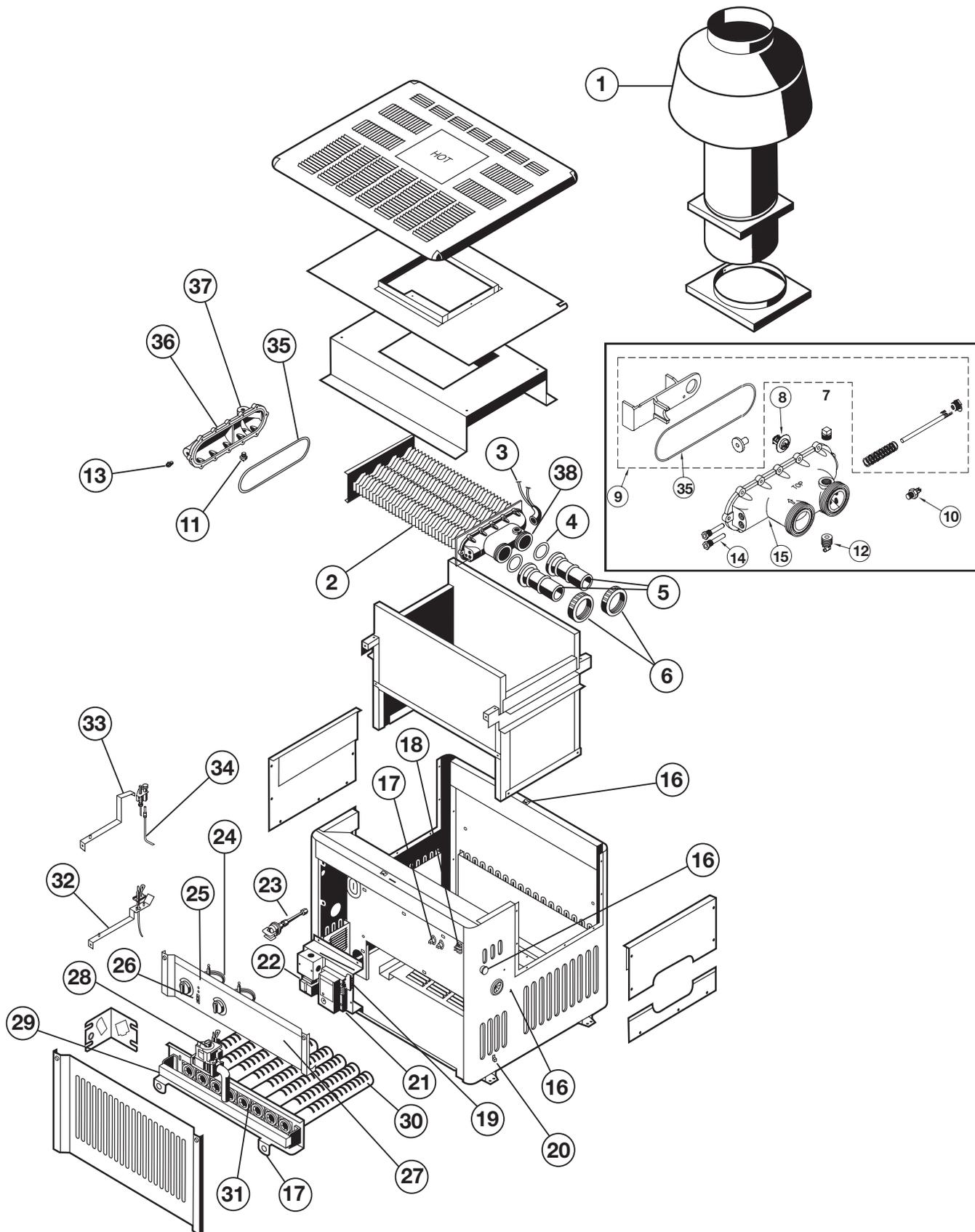
### Parts Listing

Ref. No.	Part Number	Description	Ref. No.	Part Number	Description	Ref. No.	Part Number	Description
1	DHI150	Indoor Drafthood – 150	10	HMXHLI2932	Hi-Limit 160°F	20	HAXGSV0005	Gas Valve, DS Natural Gas
1	DHI200	Indoor Drafthood – 200	11	HAXDRV1930	Drain Valve Assembly	21	HAXMAN1200	Gas Manifold – 200
1	DHI250	Indoor Drafthood – 250	12	HAXPSA1930	Pressure Switch Adapter	21	HAXMAN1250	Gas Manifold – 250
2	HAXHXA1153	Heat Exchanger Assembly – 150	13	FDXLTR1930	Thermistor	21	HAXMAN1400	Gas Manifold – 400
2	HAXHXA1203	Heat Exchanger Assembly – 200	14	HAXFHD1931	Front Header Only	22	HAXBRN1930	Burner Tube
2	HAXHXA1253	Heat Exchanger Assembly – 250	15	HAXTLK1930	Temperature Limiters Kit	23	HAXBON1930	Burner Orifice, Natural Gas
2	HAXHXA1303	Heat Exchanger Assembly – 300	16	CHXTRF1930	Transformer	23	HAXBON1931	Burner Orifice, Natural Gas HA
2	HAXHXA1353	Heat Exchanger Assembly – 350	17	HAXPSA1930	Pressure Switch Assembly	23	HAXBOP1931	Burner Orifice, Propane HA
2	HAXHXA1403	Heat Exchanger Assembly – 400	18	HAXCPA1932	Control Bezel Assembly	23	HAXBOP1932	Burner Orifice, Propane
3	HAXWHA0007	Rear Wire Harness, DS	19	HAXCPA3153	Control Panel Assembly – 150 DS	24	HAXIGN1931	Ignitor Assembly
4	HAXFOR1930	O-Rings	19	HAXCPA3203	Control Panel Assembly – 200 DS	25	HAXHOR1930	Header O-Ring
5	HAXNIP1930	Flange Pipe Nipples	19	HAXCPA3253	Control Panel Assembly – 250 DS	26	IDXLFHA1930	Front Header Assembly
6	HAXNUT1930	Union Nuts	19	HAXCPA3303	Control Panel Assembly – 300 DS	—	HAXWHA0008	Main Wire Harness (not shown)
7	HAXFCT1930	Flow Control Thermostat	19	HAXCPA3353	Control Panel Assembly – 350 DS	—	HAXWFN1930	Header Mounting Nut Kit (Pack of 12)
8	HAXBPK1932	By-Pass Valve Kit	19	HAXCPA3403	Control Panel Assembly – 400 DS			
9	HAXHLI1930	Hi-Limit 135°F	20	HAXGSV0004	Gas Valve, DS Propane			

# H-Series – Millivolt/Electronic (ED1 Style)

HEATER REPLACEMENT PARTS

## Parts Diagram



Heating

# H-Series – Millivolt/Electronic (ED1 Style)

## HEATER REPLACEMENT PARTS

### Parts Listing

Ref. No. Part Number	Description	Ref. No. Part Number	Description	Ref. No. Part Number	Description
1	DHI150 Indoor Draft Hood – 150	14	HAXTBW1930† Bulb Well, Cotherm	31	HAXBON210 Burner Orifice, Natural, H210 Only
	DHI200 Indoor Draft Hood – 200	15	HAXFHD1930 Front Header Only		HAXBOP1930 Burner Orifice, Propane
	DHI250 Indoor Draft Hood – 250		HAXFHD1931* Front Header Only		HAXBOP1931 Burner Orifice, Propane HA
2	HAXHXA1153 Heat Exchanger Assembly – 150	16	HAXPHK1930 Plastic Hardware Kit		HAXBOP210 Burner Orifice, Propane, H210 Only
	HAXHXA1203 Heat Exchanger Assembly – 200	17	HAXTLK1930 Temperature Limiters Kit	32	HAXIGN1931 Ignitor Assembly
	HAXHXA1210 Heat Exchanger Assembly – 210	18	HAXTBK1931 2-Pole Terminal Block	33	HAXPLT1931 Pilot – Natural Gas
	HAXHXA1253 Heat Exchanger Assembly – 250	19	HAXTBK1933 4-Pole Terminal Block		HAXPLT1932 Pilot – Propane
	HAXHXA1303 Heat Exchanger Assembly – 300	20	CHXGRL1930 TA-2 Ground Lug	34	HAXTRK1930 Pilot Tube Replacement Kit
	HAXHXA1353 Heat Exchanger Assembly – 350	21	HAXMOD1930 Control Module	35	HAXHOR1930 Header O-Ring
	HAXHXA1403 Heat Exchanger Assembly – 400	22	CHXTRF1930 Transformer	36	HAXRHD1930** Rear Header Only
	HAXWHA0006* Rear Wire Harness, MV	23	HAXPSA1930 Pressure Switch Assembly	37	HAXPLG1930 1/4" NPT Brass Plug
3	HAXWHA0003 Rear Wire Harness, DS	24	HAXTST1930 Thermostat	38	HAXFHA1930** Front Header Assembly
	HAXWHA0007* Rear Wire Harness, DS	25	HAXLDK1930 LED Kit		HAXFHA1931 Front Header Assembly
4	HAXFOR1930 O-Rings	26	CHXTSW1930 System Switch Single	–	HAXWHA0005 Wire Harness, Main DS (not shown)
5	HAXNIP1930 Flange Pipe Nipples		CHXTSW1931 System Switch Dual		
6	HAXNUT1930 Union Nuts	27	HAXCPA2401*** Control Panel Assembly – 400 DS	–	HAXWHA0004 Wire Harness, Control Panel (not shown)
7	CHXPLG1930 3/4" NPT Brass Plug	28	HAXGSV0001 Gas Valve, MV Natural Gas	–	FDXLGND1930 Heat Exchanger Bonding Kit
8	HAXFCT1930 Flow Control Thermostat		HAXGSV0003 Gas Valve, MV Propane	–	HAXWHA0001 Wire Harness, Main MV (not shown)
9	HAXBPK1931** By-Pass Valve Kit		HAXGSV0004 Gas Valve, DS Propane	–	HAXRFK1930 Retro Fit Kit (not shown)
	HAXBPK1932* By-Pass Valve Kit		HAXGSV0005 Gas Valve, DS Natural Gas	–	HAXWFN1930 Header Mounting Nut Kit (Pk of 12)
10	HAXHLI1930 Hi-Limit 135° F	29	HAXMAN1250 Gas Manifold – 250		
11	HMXHLI2932 Hi-Limit 160° F		HAXMAN1400 Gas Manifold – 400		
12	HAXDRV1930 Drain Valve Assembly	30	HAXBRN1930 Burner Tube		
13	CHXPSA1930 Pressure Switch Adapter	31	HAXBON1930 Burner Orifice, Natural Gas	–	CHXMSI1930 Manual Piezo Spark Igniter
14	CHXTBW1930 Bulb Well		HAXBON1931 Burner Orifice, Natural Gas HA	–	CHXGEN1930 Millivolt Pilot Generator

**NOTES:** \*Used on heaters made after 10/28/00

\*\*Used on heaters made before 10/28/00

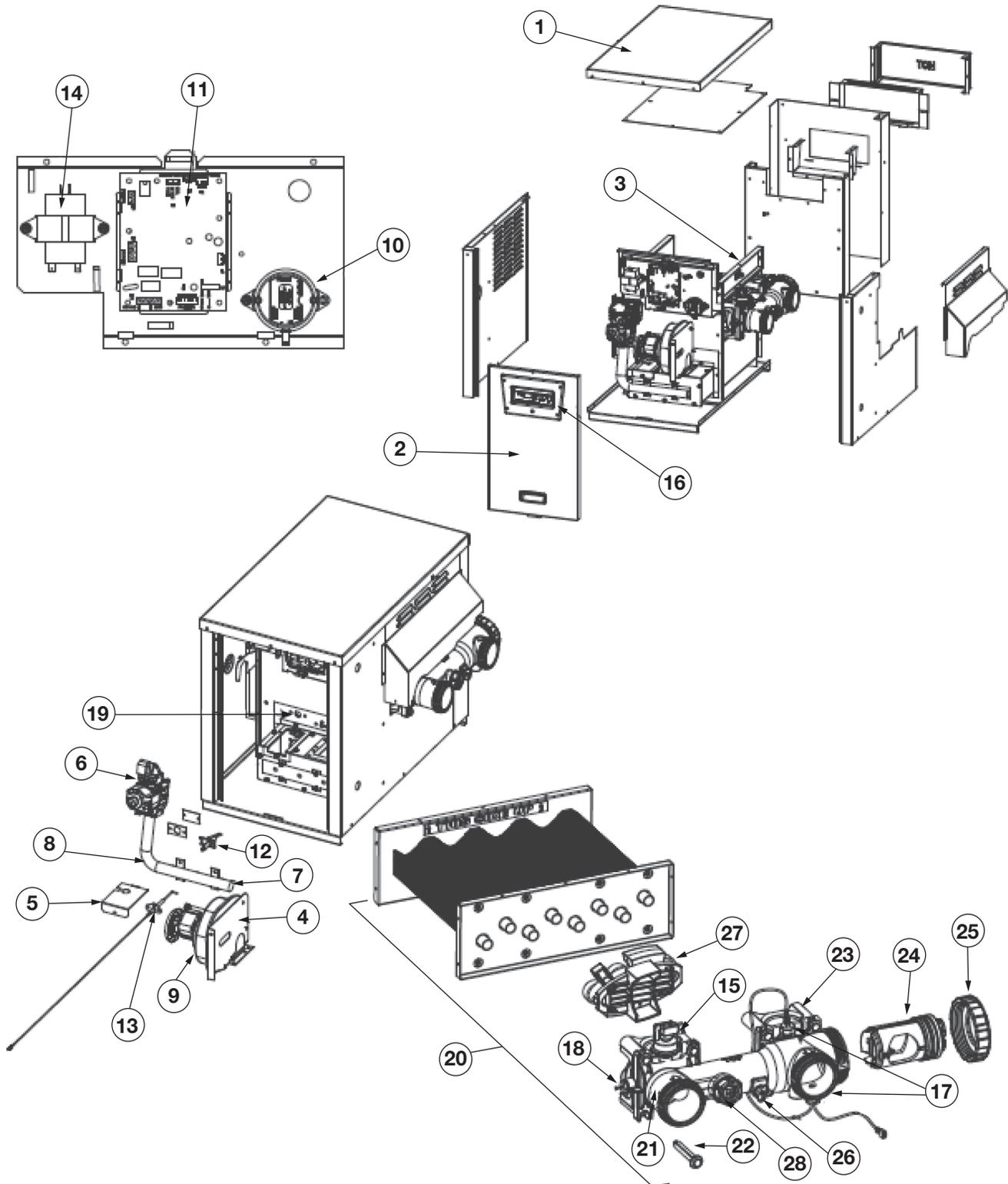
\*\*\*Used on heaters made after 5/8/98

†Used on heaters made after 6/1/01

# H-Series

ABOVE-GROUND – 135K BTU HEATER REPLACEMENT PARTS

## Parts Diagram



Heating

### Parts Listing

Ref. No.	Part No.		Description	Ctn. Qty.
	Natural Gas	Propane		
1	IDXLJKT1135		Jacket Top	1
2	FDXLFCS1931		Flue Collector Side Panel with Temperature Limit	20
3	FDXLIAC1930		Igniter Access Cover	10
4	FDXLGSV0001	FDXLGSV0002	Gas Valve	10
5		FDXLGCKW135NP	Conversion Kit, NA to LP - 135K	1
	FDXLGCKW135PN		Conversion Kit, LP To NA - 135K	1
6	FDXLBWR1930		Combustion Blower	1
7	FDXLBVS1930		Blower Vacuum Switch	15
8	FDXLICB1930		Ignition Control Board	30
9	FDXLIGN1930		Ignitor	20
10	IDXLFLS1930		Flame Sensor	50
11	IDXLTRF1135		Transformer - 135K	10
12	FDXLWPS1931		Water Pressure Switch	25
13	IDXLBKP1135		Bezel and Keypad Assembly	20
14	FDXLHLI1930		High Limit Kit	25
15	FDXLTER1931		Thermistor	10
16	FDXLGSK1934		Gasket, CC Front/Air Box	25
17	FDXLHXA1150		Heat Exchanger Assembly - 135K	1
18	FDXLFHA1930		Inlet/Outlet Header Assembly	1
19	FDXLHDW1930		Header Hardware Kit	5
20	FDXLHMB1930		Header Mounting Base Kit	5
21	FDXLBPK1930		Bypass Cartridge Kit	5
22	FDXLCRN1930		Header Cartridge Retaining Nut	—
23	SPX4000FG		Drain Plug with Gasket	50
24	FDXLPRM1930		Return Manifold Kit	5
25	CHXPLG1930		3/4" Brass Plug	25

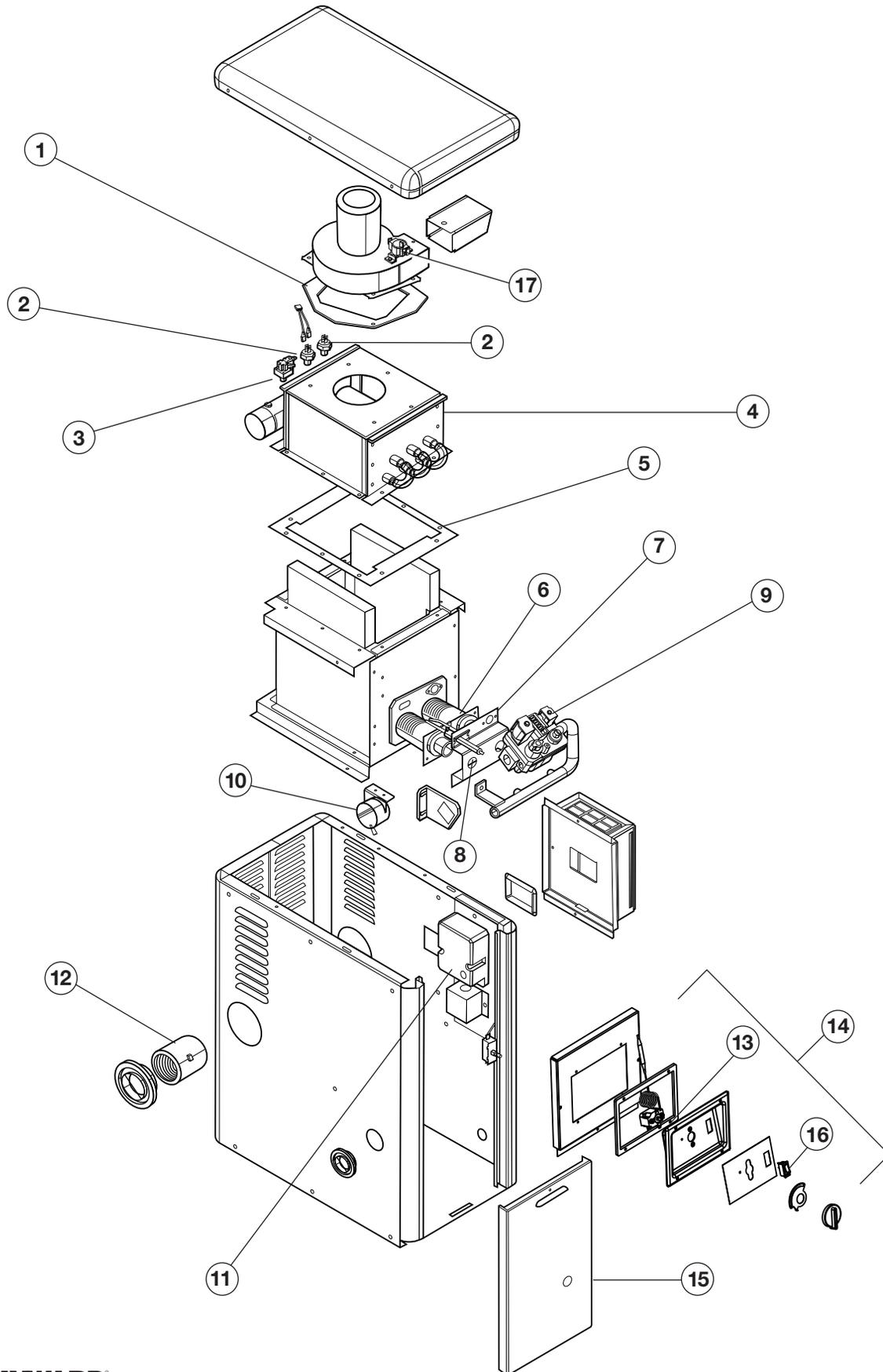
### NOT SHOWN

—	SPX3200UNKIT		Union Flange Kit (Includes Fittings, Union Nuts, and Gaskets)	10
—	CHXRLV1930		Pressure Relief Valve	25
—	FDXLBRN1930		Burner <i>(Qty. 8)</i>	1
—	FDXLBRN1931		Burner <i>(Qty. 1)</i>	1
—	FDXLGSK1933		Insulation, Return Side Tube Sheet	25
—	FDXLFOR1930		Header O-Ring Kit	25
—	FDXLEGL1930		Exhaust Gas Temperature Limit	25
—	IDXLWHA1135		Wiring Harness Kit, Complete	5
—	IDXLGSK1135		Gasket Kit - 135K Heaters (Includes Flue Collector Side, Blower Mounting, Igniter Cover, Cover/Air Box Front, and Manifold/Air Box Gaskets)	25

# H-Series

ABOVE-GROUND – INDUCED DRAFT 100K BTU HEATER REPLACEMENT PARTS

## Parts Diagram



Heating

### Parts Listing

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	IDXB LG1930**	Blower Gasket	10	IDXAPS1930	Air Pressure Switch
	IDXB LG1931††	Blower Gasket	11	IDXMOD1930	Control Module with Ignitor
2	IDXH LK1930	Hi Limits, Kit	12	IDXCPG1931	Coupling
3	CZXPRS1105	Water Pressure Switch	13	IDXTST1930	Thermostat
4	IDXHXA1102†	Heat Exchanger Assembly	14	IDXCPA1100	Control Panel Assembly
5	IDXGKT1930	Heat Exchanger Gasket	15	IDXFAD1101*	Front Access Door
6	IDXBNR1930	Burner	16	CHXTSW1930	On/Off Switch
7	IDXAGK1930	Burner Orifice and Air Orifice Bracket Kit – Natural	17	IDXBLS1930**	Blower Switch
	IDXAGK1931	Burner Orifice and Air Orifice Bracket Kit – Propane		IDXBLS1931†	Blower Switch
					<b>CONVERSION KITS</b>
8	IDXIGN1930	Ignitor	—	IDXCNK1933	Natural to Propane
9	IDXVAL1931	Gas Valve			

**NOTES:** \*Used only on heaters made after January 2000, S/N 20A01209.  
 \*\*Used only on heaters made before April 16, 2013, S/N 21131304101440001.  
 †Used only on heaters made after April 16, 2013, S/N 21131304101440001.

# Heater Replacement Parts

Part Number	Part Description	Part Number	Part Description
CHXGEN1930	Pilot Generator All Millivolt	FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty. 10)
CHXMSI1930	Clicklite Manual Spark Ignitor H-Series, CZ, HM2, CPS	FDXLFSKF15	Fuse Kit, 1.5A, for Field Wiring Panel (Qty. 10)
CHXPRS1931	Pressure Switch	FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty. 10)
CHXPSA1930	Pressure Switch	FDXLFWP1930	Field Wiring Panel – FD
CHXRLV1930	Relief Valve	FDXLGCK1150NP	Conversion Kit, NA to LP, Quick-Change – H150FD (serial number prior to 21132006100051001)
CHXTBW1930	Thermostat Bulb Well, All Gas	FDXLGCK1150PN	Conversion Kit, LP to NA, Quick-Change – H150FD (serial number prior to 21132006100051001)
CHXTRF1930	D/V Transformer CZ & HM2 Series	FDXLGCK1200NP	Conversion Kit, NA to LP, Quick-Change – H200FD (serial number prior to 21132006100051001)
CHXTSK1930	Thermostat Knob	FDXLGCK1200PN	Conversion Kit, LP to NA, Quick-Change – H200FD (serial number prior to 21132006100051001)
CHXTST1930	Thermostat without Knob	FDXLGCK1500PN	Gas Conversion Kit, LP to NA, H500FD
CHXTSW1930	On/Off Switch	FDXLGCKW150NP	Conversion Kit, UHS Gas, to NA – H150 (built after serial number 21132006100051001)
CHXTSW1931	3-Way Toggle Switch CZ & HM2 Series	FDXLGCKW150PN	Conversion Kit, FD Gas, LP to NA – H150 (built after serial number 21132006100051001)
CZXCON3645	Contactora CSPA XI 240 Volt Coil	FDXLGCKW200NP	Conversion Kit, FD Gas, NA to LP – H200 (built after serial number 21132006100051001)
CZXELE7623	Element 5500W 208/240V	FDXLGCKW200PN	Conversion Kit, FD Gas, LP TO NA – H200 (built after serial number 21132006100051001)
CZXGKT7627	Element Gasket	FDXLGCKW250NP	Conversion Kit, NA to LP, Quick-Change – H250FD
CZXHLC3105	Hi Limit Spa XI CSPA XI	FDXLGCKW250PN	Conversion Kit, LP to NA, Quick-Change – H250FD
CZXTNK6607	Tank CSPA XI	FDXLGCKW300NP	Conversion Kit, NA to LP, Quick-Change – H300FD
CZXTSK2003	Thermostat Knob Slip On – Replace with CZK	FDXLGCKW300PN	Conversion Kit, LP to NA, Quick-Change – H300FD
CZXTST3006	Thermostat Mears Electric	FDXLGCKW350NP	Conversion Kit, NA to LP, Quick-Change – H350FD
FDXLBBN1500	Blower Inlet Baffle – H500FD	FDXLGCKW350PN	Conversion Kit, LP to NA, Quick-Change – H350FD
FDXLBKP1930	Bezel & Keypad Assembly	FDXLGCKW400NP	Conversion Kit, NA to LP, Quick-Change – H400FD
FDXLBON1500	Burner Orifice Kit Natural Gas – H500FD Only	FDXLGCKW400PN	Conversion Kit, LP to NA, Quick-Change – H400FD
FDXLBON1930	Burner Orifice Kit Natural Gas – FD	FDXLGCKW500NP	Gas Conversion Kit, NA to LP, H500FD
FDXLBOP1500	Burner Orifice Kit Propane Gas – H500FD Only	FDXLGSK1930	Gasket Kit – Air Side (All Models)
FDXLBOP1930	Burner Orifice Kit Propane Gas – FD	FDXLGSK1931	Gasket Kit – Exhaust Side (All Models)
FDXLBRN1930	Burner (Qty. 8)	FDXLGSK1932	Gasket, Bezel/Top – FD
FDXLBTP1930	Trim Panel Kit	FDXLGSK1933	Insulation, Return Side Tube Sheet – FD
FDXLBVS1930	Blower Vacuum Switch	FDXLGSK1934	Gasket, CC Front/Air Box – FD (All Models)
FDXLBWR1500	Combustion Blower – H500FD Only	FDXLGSV0001	Gas Valve Natural Gas – FD
FDXLBWR1930	Combustion Blower – FD	FDXLGSV0002	Gas Valve Propane Gas – FD
FDXLCNK0001	Conversion Kit – NA to LP	FDXLGSV1500N	Gas Valve Natural Gas – H500FD Only
FDXLCNK0002	Conversion Kit – LP to NA	FDXLGSV1500P	Gas Valve Propane Only – H500FD Only
FDXLFAD1500	Front Access Door Assembly – H500FD	FDXLHDW1930	Header Hardware Kit
FDXLFAD1500A	Front Door Assembly, Gray, ASME – H500FD	FDXLHLI1930	High Limit 135°F
FDXLFHA1930	Header Assembly	FDXLHMB1930	Header Mounting Base Kit
FDXLFOR1930	Header O-Ring Kit	FDXLHXA1150	Heat Exchanger Assembly – H150FD
FDXLFSK1930	Fuse Service Kit – FD	FDXLHXA1200	Heat Exchanger Assembly – H200FD

**NOTE:** If the part number you are looking for is not in this price book it is no longer available.

# Heater Replacement Parts

Part Number	Part Description	Part Number	Part Description
FDXLHXA1300	Heat Exchanger Assembly – H300FD	HAXGSV0001	Gas Valve 150 – 400 NA MV
FDXLHXA1350	Heat Exchanger Assembly – H350FD	HAXGSV0003	Gas Valve 150 – 400 LP MV
FDXLHXA1400	Heat Exchanger Assembly – H400FD	HAXGSV0004	Gas Valve 150 – 400 LP DS
FDXLHXA1500	Heat Exchanger Assembly – H500FD	HAXGSV0005	Gas Valve 150 – 400 NA DS
FDXLIAC1930	Ignitor Access Cover	HAXHLI1930	Hi-Limit 135°F
FDXLICB1930	Integrated Control Board – FD	HAXHOR1930	Header O-Ring
FDXLIGN1930	Ignitor – FD	HAXHXA1153	Heat Exchanger Assembly – H150
FDXLJKT1150	Jacket Top & Flue Cover – H150FD	HAXHXA1203	Heat Exchanger Assembly – H200
FDXLJKT1200	Jacket Top & Flue Cover – H200FD	HAXHXA1210	Heat Exchanger Assembly – H210
FDXLJKT1250	Jacket Top & Flue Cover – H250FD	HAXHXA1253	Heat Exchanger Assembly – H250
FDXLJKT1300	Jacket Top & Flue Cover – H300FD	HAXHXA1303	Heat Exchanger Assembly – H300
FDXLJKT1400	Jacket Top and Flue Cover – H400FD	HAXHXA1353	Heat Exchanger Assembly – H350
FDXLPBL1930	Base Leg – FD	HAXHXA1403	Heat Exchanger Assembly – H400
FDXLRGK1151	Rain Guard Assembly – H150FD	HAXIGN1931	Ignitor
FDXLRGK1201	Rain Guard Assembly – H200FD	HAXMOD1930	Control Module
FDXLRGK1251	Rain Guard Assembly – H250FD	HAXNIP1930	Union Connector
FDXLRGK1351	Rain Guard Assembly – H350FD	HAXNUT1930	Union Nut
FDXLRGK1401	Rain Guard Assembly – H400FD	HAXPLT1931	Pilot, NA MV PSE-NA15
FDXLRGK1500	Rain Guard Assembly – H500FD	HAXPLT1932	Pilot, LP MV PSE-LP15
FDXL RTP1930	Right Trim Panel Kit	HAXPNT1930	Touch-up Paint, H-Series
FDXLTDK1930	Tie-Down Kit – FD	HAXPSA1930	Pressure Switch Assembly Kit
FDXLTER1930	Thermistor	HAXRSA1930	Roll Out Switch Kit
FDXLTER1931	Thermistor	HAXTLK1930	Temperature Limiters Kit
FDXL TFC1200	Top/Flue Cover – H200FD	HAXTRK1930	Pilot Tube Replacement Kit
FDXL TFC1250	Top/Flue Cover – H250FD	HAXTST1930	Thermostat with Knob
FDXL TFC1300	Top/Flue Cover – H300FD	HAXWHA0001	Wire Harness MV Front H
FDXL TFC1350	Top/Flue Cover – H350FD	HAXWHA0001	Wire Harness MV Front H
FDXL TFC1400	Top/Flue Cover – H400FD	HAXWHA0003	Wire Harness DS Rear H
FDXL TFC1500	Top/Flue Cover – H500FD	HAXWHA0003	Wire Harness DS Rear H
FDXLVPS1930	Vent Pressure Switch, Indoor, 0–2,000 ft	HAXWHA0006	Wire Harness Rear, ID Series
FDXLVPS1931	Vent Pressure Switch, Indoor, 2,000–10,100 ft	HAXWHA0006	Wire Harness Rear, ID Series
FDXLWGSVLP	Propane gas valve	HAXWHA0007	Rear Wire Harness
FDXLWGSVNA	Natural gas valve	HAXWHA0007	Rear Wire Harness
FDXLWPS1930	Water Pressure Switch	HAXWHA0008	Main Wire Harness
FDXLWPS1931	Heater Pressure Switch – FD	HAXWHA0008	Main Wire Harness
HAXBON1931	Burner Orifice NA High Altitude	HMXHLI2932	Immersion Hi Limit Rear Header 160° HM
HAXBOP210	Burner Orifice, LP, H210 Only	HMXHLI2932	Immersion Hi Limit Rear Header 160° HM
HAXBRN1930	Main Burner – H Series	IDXAPS1930	Air Pressure Switch
HAXCPA1932	Control Bezel Assembly	IDXAPS1930	Air Pressure Switch
HAXCPA2150	Control Panel Assembly – 150 MV (after 5/98)	IDXBLG1930	Blower Gasket
HAXCPA2250	Control Panel Assembly – 250 MV (after 5/98)	IDXBLG1930	Blower Gasket
HAXFOR1930	Flange O-Ring	IDXBRG1930	Burner Gasket

**NOTE:** If the part number you are looking for is not in this price book it is no longer available.

# Heater Replacement Parts

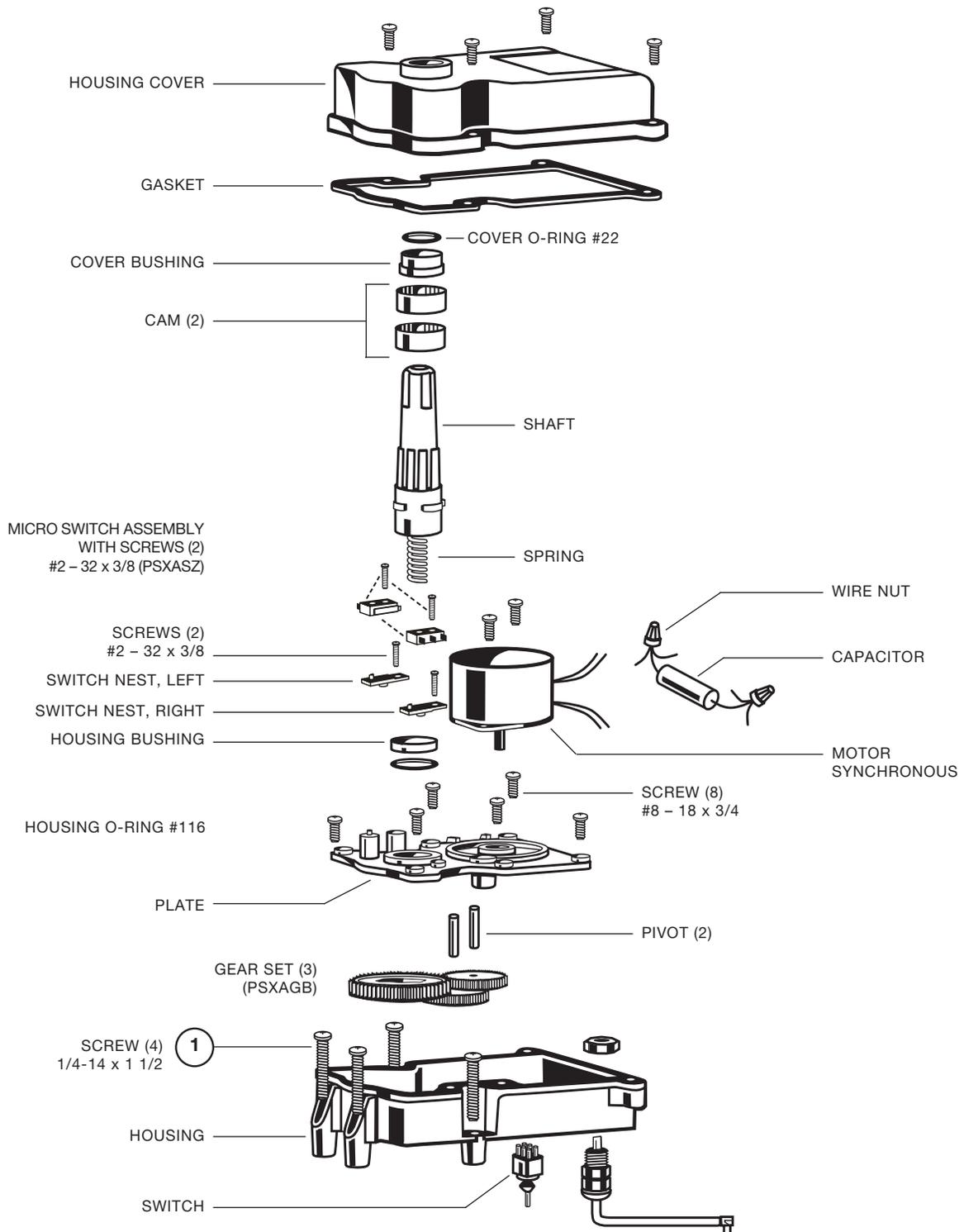
Part Number	Part Description	Part Number	Part Description
IDXBRG1930	Burner Gasket	IDXLBVS1930	Blower Vacuum Hitch
IDXCNK1933	Conversion Kit, Natural to Propane, H100	IDXLBVS1930	Blower Vacuum Hitch
IDXCNK1933	Conversion Kit, Natural to Propane, H100	IDXLBWR1930	Combustion Blower – 240V
IDXCPG1931	Coupling – 2"	IDXLBWR1930	Combustion Blower – 240V
IDXCPG1931	Coupling – 2"	IDXLBWR1931	Combustion Blower – 120V
IDXFAD1101	Front Access Door (after S/N 20A01209)	IDXLBWR1931	Combustion Blower – 120V
IDXFAD1101	Front Access Door (after S/N 20A01209)	IDXLCPA1930	Control Panel Assembly
IDXHLLK1930	Hi-Limit Kit	IDXLCPA1930	Control Panel Assembly
IDXHLLK1930	Hi-Limit Kit	IDXLFLS1930	Flame Sensor
IDXHXA1102	Heat Exchanger Assembly	IDXLFLS1930	Flame Sensor
IDXHXA1102	Heat Exchanger Assembly	IDXLIGN1930	Ignitor – 240V
IDXIGN1930	Ignitor	IDXLIGN1930	Ignitor – 240V
IDXIGN1930	Ignitor	IDXLIGN1930	Ignitor – 240V
IDXKIT1930	Consumer Kit	IDXLVPS1930	Vent Pressure Switch
IDXKIT1930	Consumer Kit	IDXLVPS1930	Vent Pressure Switch
IDXL2BVS1930	Blower Vacuum Switch	IDXMOD1930	Ignition Module
IDXL2BVS1930	Blower Vacuum Switch	IDXMOD1930	Ignition Module
IDXL2DB1930	Display Board Only – FD & IDL2	IDXMOD1930	Ignition Module
IDXL2DB1930	Display Board Only – FD & IDL2	IHXILS1930	Interlock Switch – 240V
IDXL2FSB1930	Fuse Board	IHXILS1930	Interlock Switch – 240V
IDXL2FSB1930	Fuse Board	IHXILS1930	Interlock Switch – 240V
IDXL2FSK1930	Complete Set of Fuses	IHXMOD1931	Control Module
IDXL2FSK1930	Complete Set of Fuses	IHXMOD1931	Control Module
IDXL2ICB1931	Integrated Control Board	IHXMOD1931	Control Module
IDXL2ICB1931	Integrated Control Board	IHXTRF1930	Transformer – 240V
IDXL2IGN1930	Silicone Nitride Ignitor	IHXTRF1930	Transformer – 240V
IDXL2IGN1930	Silicone Nitride Ignitor	IHXTRF1930	Transformer – 240V
IDXL2SNT1930	Silicon Tube 2.5	UHXFSW1930	Water Flow Switch Kit
IDXL2SNT1930	Silicon Tube 2.5	UHXFSW1930	Water Flow Switch Kit
IDXL2TRF1930	Transformer	UHXFSW1930	Water Flow Switch Kit
IDXL2TRF1930	Transformer	UHXTFP1930	Water Flow Switch & Temp Pressure Gauge Kit
IDXL2VPS1930	Vent Pressure Switch	UHXTFP1930	Water Flow Switch & Temp Pressure Gauge Kit
IDXL2VPS1930	Vent Pressure Switch	UHXTFP1930	Water Flow Switch & Temp Pressure Gauge Kit

**NOTE:** If the part number you are looking for is not in this price book it is no longer available.

# Actuator

## GVA-24 REPLACEMENT PARTS

### Parts Listing



Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	GLX-GVA-4SCR	Mounting Screws (Set of 4)	8	1

### NOT SHOWN

-	GLX-GVA-2CAM	KIT-CAM, GVA-24 Valve (Set of 2)	1	1
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# Automation & Sanitization

## REPLACEMENT PARTS



**OmniLogic Pool and Spa Automation System**



**OmniPL**



**OmniHub wiring base unit, smart relay, and control pad**

### OMNILOGIC & OMNIPL (MODEL # HLBP04SW)

Part No.	Description
HLRELAY	OmniLogic/OmniPL relay
HLX-CRADLE	Omni Remote Replacement Charging Cradle
HLX-LCD	LCD without MSP, Replacement, OmniLogic (April 2020 & older)
HLX-LCD0520	LCD without MSP, Replacement, OmniLogic (May 2020 & newer)
HLX-DSP-MOUNT	OmniLogic Replacement Display Mount
HLX-EXP-DSP	OmniLogic expansion panel upgrade kit
HLX-LOC-DSP	OmniLogic Replacement Local Display
HLXDSPKIT	OmniLogic Retrofit Kit*
HLX-PCB-MAIN	Replacement Main Control Board
HLXCONNKIT	Kit, Replacement, Connectors
HLXPLCONTROL	Replacement Controller for All OmniPL & OmniLogic with External MSP
HLXBRIDGEPCB	Controller Bridge Board
HLX-PCB-TCELL	T-Cell PCB Board
HLX-PSUPPLY	Power Supply Assembly
HLX-TRNSFMR	Transformer
HLXSTYLUS5PK	Replacement Stylus (5 pack)
HLXUSB5PK	Replacement USB (5 pack)
HLXLATCH	Replacement Door Latch
HLXBRACKET	OmniLogic Replacement Mounting Brackets
HLXDEADFRONT	OmniLogic Replacement Deadfront (for units with internal MSP)
HLXDEADFRONT2	Replacement Deadfront for OmniLogic with External MSP, OmniPL
HLXDOOR	OmniLogic Replacement Door
HLXFANKIT	OmniLogic Replacement Fan Kit
HLXPL485100	OmniPL RS485 Extension 100 ft.
GLX-F20A-10PK	10 pack of yellow 20 amp fuses
GLX-F4A-PAK10	10 pack of pink 4 amp fuses
GLX-F5A-PAK10	10 pack of tan 5 amp fuses

**NOTE:** Mobile phone, tablet and wireless remote not included with OmniPL.

\* Updated panel, board, and external display with WiFi

### OMNIPL (MODEL # HILPRO4SW)

Part No.	Description
HLXPLFRONT	Replacement, Deadfront
GLXS3PLXFMR	Replacement, Transformer
HLXPLCABLEKIT	Replacement, Cablekit, Retrofit
HLXPLPCBMAIN	Replacement Main Control Board for Optimized OmniPL
HLX-F4A-10PK	4 amp glass fuse, 10 pack

### OMNIHUB®

Part No.	Description
HLHCONTROL	OmniHub®/VS Omni® Replacement Controller
HLXDCOVER	Replacement, Sun Cover
HLXDLCD	Replacement, LCD Display
HLXDSPCASE	Replacement, Display Case
HLXHIOPCB	Replacement, OmniHub PCB
HLXHUBCASE	Replacement, Hub Case
HLXHW5PK	Replacement, OmniHub Hardware (5 pack)
HLXJBOX	Replacement, J-Box
HLXRLYLABL	Replacement, Relay Label

### OMNIHUB®(Cont.)

Part No.	Description
HLXWHIP6	Replacement, Omni® 6 ft. Whip
HLX485RELAY	Replacement, Smart Relay
HLX485100	Replacement, RS485 100 ft. Extension
HLX08A10PK	Glass tube fuse for Omnihub board (10 pack)
HLX485200	RS485 200 ft. Extension

### PROLOGIC®, AQUALOGIC®

Part No.	Description
HLPROUPG	Retrofit to OmniPL with App
GLX-PCB-PRO*	Main PCB, ProLogic
GLX-PL-LOC-P-4	Display, Local, ProLogic, P-4
GLX-PL-LOC-PS4	Display, Local, ProLogic, PS-4
GLX-PL-LOC-PS8	Display, Local, ProLogic, PS-8
GLX-PCB-EXP	PCB-PS-16 Expansion Unit
HLX-CRADLE	Charging Cradle, Replacement
AQL2-BASE-RF	Base Station, Wireless
AQL2-TW-RF-PS-4	Wireless Remote, Tabletop, PS-4, White
AQL2-TW-RF-PS-8	Wireless Remote, Tabletop, PS-8, White
AQL2-WW-PS-4	Wired Remote, Wall Mount, PS-4, White
AQL2-WW-PS-8	Wired Remote, Wall Mount, PS-8, White
AQL2-POD2	AquaPod® Waterproof, Full Function, Touchscreen Remote, Wireless
GLX-STDOFFPAK20	Display Standoff (pack of 20)
GLX-ACT-CONN	Actuator Connector

**NOTE:** \*For units produced after October 2008.

### E-COMMAND®, E-COMMAND 4

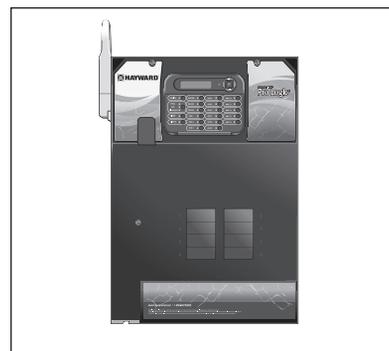
Part No.	Description
GLX-PCB-HPC-4	Main PCB, E-Command 4
HLPROUPG	OmniLogic Retrofit Kit with App
GLXS3PLXFMR	Replacement, Transformer, OmniPL
GLX-LOCAL-P-4	Display, Local, E-Command
GLX-PL-LOC-P-4	Display, Local, E-Command 4

### ONCOMMAND®

Part No.	Description
GLX-PCB-ONCOM	Main PCB, OnCommand
GLX-LOC-ONCOM	Display, Local, OnCommand

### AQUALOGIC

Part No.	Description
GLX-PCB-MAIN	Main PCB, AquaLogic
HLPROUPG	OmniLogic Retrofit Kit with App
GLX-PCB-EXP	PCB, Expansion Unit for PS-16
GLX-LOCAL-P-4	Display, Local, P-4
GLX-LOCAL-PS-4	Display, Local, PS-4
GLX-LOCAL-PS-8	Display, Local, PS-8
AQL2-BASE-RF	Wireless Antenna for AquaLogic
GLX-STDOFFPAK20	Display Standoff (pack of 20)
GLX-ACT-CONN	Actuator Connector



**ProLogic**



**E-Command 4**



**OnCommand**

# Automation & Sanitization

REPLACEMENT PARTS (continued)



**AquaPlus**

## AQUAPLUS®

Part No.	Description
GLX-PCB-PRO	Main PCB, AquaPlus
HLPROUPG	OmniLogic Retrofit Kit with App
GLX-PL-LOC-P-4	Display, Local, AquaPlus



**Salt & Swim 3C**

## SALT & SWIM® 3C

Part No.	Description
W3SAS-CELL	Salt & Swim 3C Replacement Cell
GLX-CTL-DIY	Salt & Swim 3C Control Box
GLX-DIY-CABLE	Salt & Swim 3C Replacement Cell Cable
GLX-DIY-VESEL	Salt & Swim 3C Replacement Vessel
GLX-DIY-CCN15	1.5" Ring, Collar and Nut Set
GLX-DIY-CCN2	2" Ring, Collar and Nut Set
GLX-DIY-CUP	Cell Cleaning Cup
GLX-DIY-ORING	O-Ring for Salt Cell
GLX-DIY-UNION	Salt & Swim 3C Pro Union Kit
GLXAQR100CCABLE	Replacement Cell Cable, AQR100
GLXAQR100CTL	Replacement Controller, AQR100
GLXAQR100DOOR	Replacement Door, AQR100
GLXAQR100PCB	Replacement PCB, AQR100
GLXAQR100PCORD	Replacement Power Cord, AQR100
GLXAQR100VESNUT	Replacement Vessel Nut, AQR100
GLXAQR100VESSEL	Replacement Vessel without Cell, AQR100
GLXAQR100XFMR	Replacement Transformer, AQR100

## AQUARITE S3 & S3 OMNI

Part No.	Description
GLXS3PLXFMR	Replacement, Transformer, AQRS3
GLXS3DISPLAY	Replacement, Display, AQRS3
GLXS3FUSE	Replacement, Fuses, AQRS3
GLXS3HANDLE	Replacement, Handle, AQRS3
GLXS3OMNIPCB	Replacement, PCBA, AQRS3 OMNI
GLXS3PCB	Replacement, PCBA, AQRS3
GLXS3PLXFMR	Replacement, Transformer, S3 OmniPL
GLXS3RELAY	Replacement, Relay, AQRS3
GLXS3FUSE	Replacement, Fuses, AQRS3



**AquaRite S3**

## AQUARITE® PRO

Part No.	Description
GLX-CTL-AR-PRO	Control Unit, AquaRite Pro
GLX-PCB-AR-PRO	Main PCB, AquaRite Pro
GLX-AR-PRO-MEM	Display, Membrane Key Pad, Dead Front



**AquaRite Pro**

Automation

# Automation & Sanitization

REPLACEMENT PARTS (continued)

## AQUARITE®

Part No.	Description
GLX-CTL-RITE	Control Unit, AquaRite
GLX-PCB-RITE	Main PCB, AquaRite
GLX-PCB-DSP	Display PCB, AquaRite
GLX-FLO-RPPAK10	Replacement Flow Switch <i>(pack of 10)</i>
GLX-FLO-RP	Replacement Flow Switch – 15' cable (no tee)
GLX-FLO-RP-25	Replacement Flow Switch – 25' cable (no tee)
GLX-FLO-T	Flow Switch Tee
GLX-XFMR	Transformer
GLX-F20-10PK	20 Amp Glass Fuse <i>(10 pack)</i>
GLX-F20A-10PK	20 Amp Yellow Fuse <i>(10 pack)</i>
GLX-CELLSTAND	Salt Cell Cleaning Stand
GLX-CELL-UNION	Salt Cell Union – Tailpiece, Nut and O-Ring
GLX-CELL-PIPE	Salt Cell Placeholder
GLX-SALTMETER	Handheld Digital Salt Meter
GLX-STDOPPAK20	Display Standoff <i>(pack of 20)</i>



AquaRite

## SENSE AND DISPENSE®

Part No.	Description
GLX-PROBE-ORP	Probe, ORP Replacement
GLX-PROBE-PH	Probe, pH Replacement
GLX-SD-ELEC-MOD	Sense and Dispense Electronics Module
GLX-SD-FLOW*	Flow Cell, Sense and Dispense only
GLX-WINTER-KIT	Kit-Replacement, Winterizing

**NOTE:** \*This SKU replaces GLX-FLOW-CELL



Sense and Dispense

## AQUATROL®

Part No.	Description
GLX-CTL-TR-HP	Control Unit, AquaTrol – HP, straight blade
GLX-CTL-TR-RJ-T	Control Unit, AquaTrol – RJ, twist lock
GLX-RJ-ELBOW	Fitting, Return Jet
GLX-TROL-TIMER	24 hour Timeclock
GLX-PCB-TROL-RJ	Main PCB, AquaTrol RJ
GLX-PCB-TROL-HP	Main PCB, AquaTrol HP
GLX-CELL-5	TurboCell®, 20K gallons
TCELLS318	TurboCell S3 Salt Cell 18K gallons, clear cell

**NOTE:** TurboCell Replacements available – see page 83.



AquaTrol

# Automation & Sanitization

## REPLACEMENT PARTS (continued)

### HYDRORITE® UV

Part No.	Description
GLX-HYDCTLUVO	Controller, UV/Ozone
GLX-HYDVESUVO	Vessel Body, UV/Ozone with Unions
GLX-HYDXFMR	Power Transformer
GLX-HYDPCB	Interconnect PCB
GLX-HYDFUSE	PCB Fuse Kit ( <i>Quantity of 10</i> )
GLX-HYDBALLAST	Ballast with Cable Harnesses
GLX-HYDSLEEVE	Stainless Steel Sleeve with O-Ring
GLX-HYDMAN	Ozone Manifold and Interlock Switch
GLX-HYD-LAMPUVO	Residential Lamp, Ozone Producing
GLX-HYDVENKIT	Venturi Tube Kit
GLX-HYDVEN	2" Venturi, Residential
ECX12S	2" PVC Pipe Connector Socket
ECX12T	2" PVC Pipe Connector Threaded
TBX122	2" PVC Union Nut
BSX1CAP2	2" PVC Port Cap
BSX1PLUG2	PVC Vessel Drain Plug
SB2KIT	Vessel O-Ring Kit
GVA-24	Valve Actuator
PSV3S2	3-Port Diverter Valve

### AQUACONNECT®

Part No.	Description
GLX-HOMENET-PS	Replacement Power Supply for AQ-CO-HOMENET

### SALT CHLORINATOR CELLS (for AquaRite®, AquaRite® Pro, AquaPlus®, ProLogic®, AquaLogic®)

Part No.	Description
CCELL	AQR100 Replacement Cell, 30K gallons, 3 year warranty
GLX-CELL-3-W	TurboCell®, 15K gallons, 1 year warranty
GLX-CELL-5-W	TurboCell, 20K gallons, 1 year warranty
GLX-CELL-9-W	TurboCell, 25K gallons, 1 year warranty
GLX-CELL-15-W	TurboCell, 40K gallons, 1 year warranty
TCELL925-W	Warranty Cell for TCELL925, 1 year warranty
TCELL940-W	Warranty Cell for TCELL940, 1 year warranty
GLX-CELL-PIPE	Straight Pipe Placeholder for TurboCell
GLX-CELL-UNION	2" Cell Union Kit (1 each of nut, tailpiece, O-Ring)
GLX-CELL-5	TurboCell, 20K gallons, 3 year warranty
GLX-CELLSTAND	Cleaning Stand for TurboCells
GLX-UNION-ORING	TurboCell Union O-Ring ( <i>pack of 12</i> )
TCELLS315W	TurboCell S3 Salt Cell, 15K gallons, Warranty Replacement
TCELLS318W	TurboCell S3 Salt Cell, 18K gallons, Warranty Replacement
TCELLS325W	TurboCell S3 Salt Cell, 25K gallons, Warranty Replacement
TCELLS340W	TurboCell S3 Salt Cell, 40K gallons, Warranty Replacement

### COMMON REPLACEMENT PARTS

Part No.	Description
GLX-DRK	Rectifier Upgrade
GLX-FLO-RPPAK10	Replacement Flow Switch ( <i>Pack of 10</i> )
GLX-FLO-RP	Flow Switch (15' cable, no tee)
GLX-FLO-RP-25	Flow Switch (25' cable, no tee)
GLX-FLO-T	Tee for Flow Switch
GLX-XFMR	Transformer
HLX08A10PK	Fuse Kit, 8A ( <i>10 pack</i> ) (for use with OmniLogic®)
HLX-F4A-10PK	Kit-Fuse, 4A, 5X20MM, GLASS ( <i>10 pack</i> )
GLX-F4A-PAK10	Fuse Kit, 4A/Pink ( <i>10 pack</i> ) (for use with OmniLogic)
GLX-F5A-PAK10	Fuse Kit, 5A/Brown ( <i>10 pack</i> ) (for use with OmniLogic)
GLX-F20-10PK	Fuse Kit, 20A ( <i>10 pack</i> ) (for AquaRite/Trol before 11/04)
GLX-F20A-10PK	Fuse Kit, 20A/yellow ( <i>10 pack</i> ) (all AquaLogic/Rite/Trol after 11/04)
GLX-F3A-10PK	Fuse Kit, 3A/violet ( <i>10 pack</i> ) (AquaLogic only)
GLX-PC-12-KIT	Temperature Sensor with 15' leads and hose clamp
GLX-RF-EXTEND	AQL2-BASE-RF extension 50'
GLX-RELAY	Relay, 3 H.P.
GLX-PWR-B	Power Supply, wall plug-in, for wireless remote – X = B (Black)
GLX-GVA-4SCR	Screws (4) for mounting GVA-24 Valve Actuator
GLX-FLO	Flow Switch (15' cable with tee)
GLX-FLO-25	Flow Switch (25' cable with tee)

# Automation & Sanitization

## REPLACEMENT PARTS (continued)

### COMMON REPLACEMENT PARTS (CONT.)

Part No.	Description
GLX-OUTLET-15A	120V/15 amp Pump Outlet
GLX-CELLTST-STD	Stand for Cell Tester
GLX-CELL-TESTER	Tester for all TurboCell Electrolytic Cells
GLX-STDOFFPAK20	Display Standoff <i>(pack of 20)</i>
GLX-ACT-CONN	Actuator Connector Plug Kit

### HYDRAPURE® SPARE PARTS

Part No.	Description
005422901700	Lamp UV (1 piece)
005422901500	Lamp UV (2 piece) with Boot and O-Ring
005422510200	Nut and Washer UV
005422200909	Quartz Tube with O-Ring and Cushion
005422427100	Boot F/2 Lamp
005422510300	Seal Kit Quartz Tube
005952123000	Lamp Only (1 piece) O3
005252829000	Check Valve Swing 5 lbs. with Springs, No Body
005952125000	Tubing 3/8 x 24 Flexelene
005252164000	Plug 2" with O-Ring Pack
005402250600	Check Valve 2 lbs. 1/4 NPT x 3/8 Comp
005401250300	Check Valve 3 lbs. 1/4 NPT x 3/8 Comp
005401250400	Check Valve 4 lbs. 1/4 NPT x 3/8 Comp
005402250500	Check Valve 1 lb. 1/4 NPT x 3/8 Comp
005952291500	Plug Drain 1/2" with O-Ring Pack
005952832500	Screw Panel/Lid (16 + 4 Pack)
005252832000	Union 2.5 Kit (1 piece) with O-Ring
005252831500	O-ring 2-232 F/2.5" Union <i>(pack of 4)</i>
005952140100	Lid Top with Membrane Switch and Screws
005952147100	Cable Ribbon F/Membrane Switch
005952157000	Ballast with Wires, Ozone
005422386500	Ballast with Wires, UV
005952150100	Board with Tubes and Sensor
005952158100	Wire Harness

### HYDRAPURE® 2.0 SPARE PARTS

Part No.	Description
HYDRACORDKIT	Kit, Conversion, 120V Corded
HYDRASCREWPK	Screw Pack Replacements
HYDRAMEMBRANE	Membrane Switch + Ribbon Cable Replacement
HYDRAORINGS	O-Ring Kit <i>(All Pieces)</i>
HYDRAPCBA	Board with Tubes and Sensor
HYDRAHARNESS	Wire Harness
HYDRACHKVLVHBP	Valve High Bypass
HYDRACHKVLVBP	Bypass Butterfly Check Valve and Spring
HYDRACHKVLV2	Check Valve 2 lb.
HYDRACHKVLV3	Check Valve 3 lb.
HYDRACHKVLV4	Check Valve 4 lb.
HYDRACHKVLVOEM	Check Valve 1.5 lb. OEM

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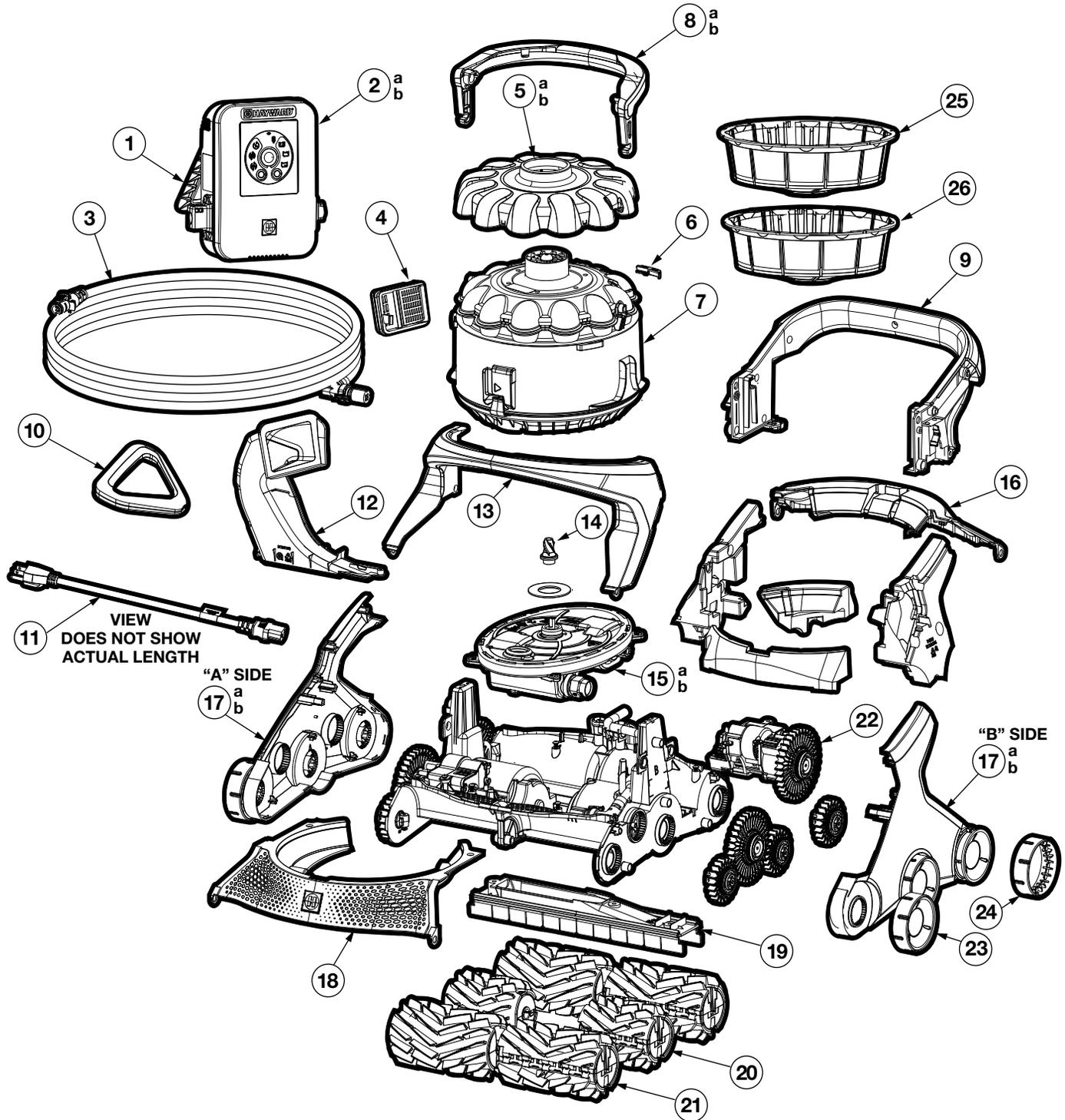
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# AquaVac® 6 Series – 600 Model

ROBOTIC CLEANERS REPLACEMENT PARTS

## Parts Diagram



Cleaners

# AquaVac® 6 Series – 600 Model

ROBOTIC CLEANERS REPLACEMENT PARTS

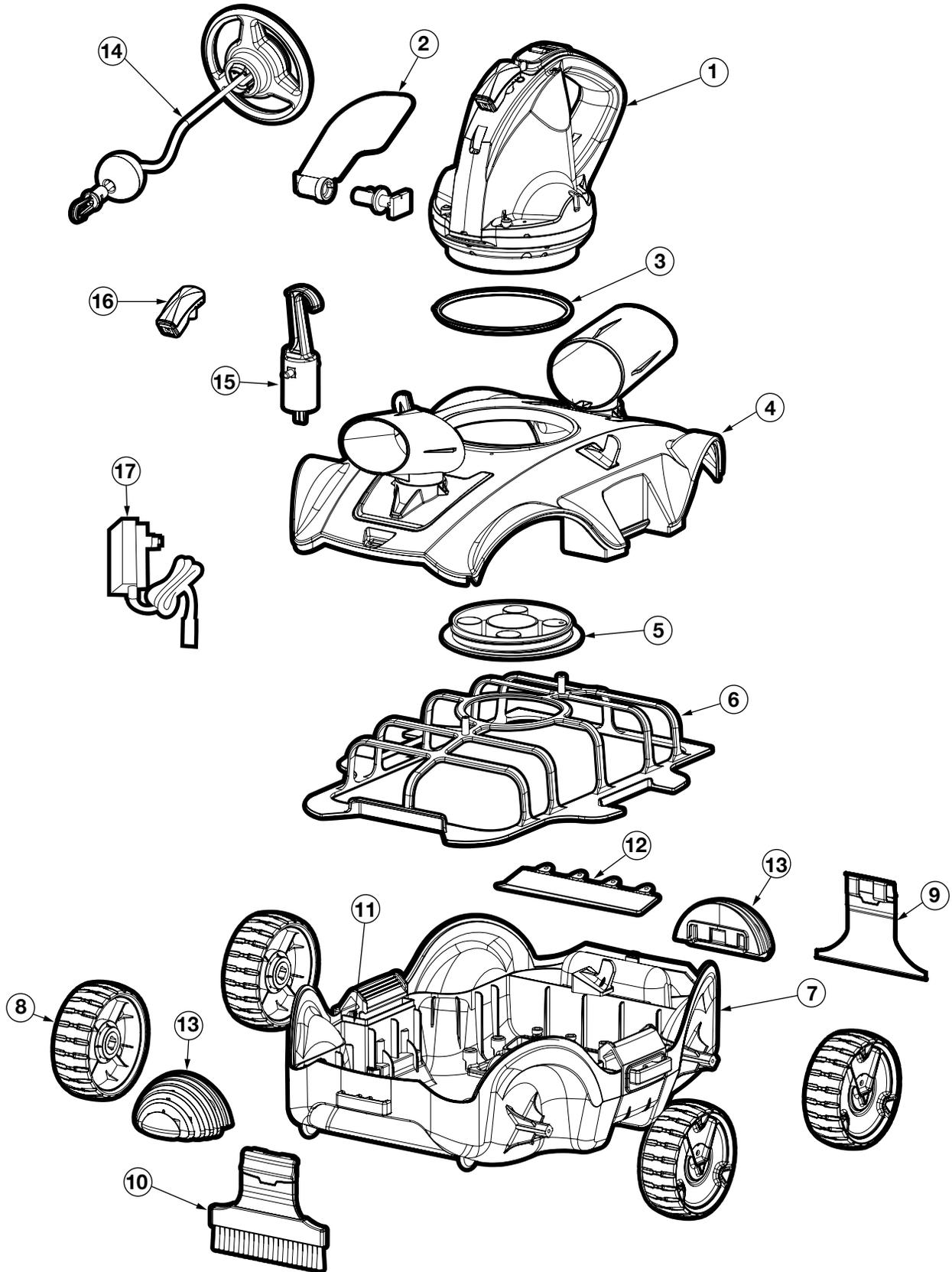
## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	RCX361178234	Power Supply Kickstand, Blue	5
2a	RCX361480W	Power Supply Av650, WiFi	1
2b	RCX361470	Power Supply Av600, No WiFi	1
3	RCX361191	55 ft. Floating Cable	1
4	RCX361182	Cyclone Check Valve Assembly	5
5a	RCX361126234	Cyclone Cosmetic Top, 650, Blue	5
5b	RCX361126237	Cyclone Cosmetic Top, 600, Gray	5
6	RCX361453	Canister Twist Lock	10
7	RCX361140KIT234	Cyclone Assembly Kit	1
8a	RCX361300236	Cyclone Handle Assembly, 650, Black	5
8b	RCX361300234	Cyclone Handle Assembly, 600, Blue	5
9	RCX36131519237	Shell Rear Handle Cover Assembly, Gray	1
10	RCX361210236	Cord Handle Assembly, Black	5
11	RCX361250U	Power Supply Cord, US	1
12	RCX361103236	Vacuum Inlet Top Assembly, Black	1
13	RCX361331782237	Shell Front Handle Assembly, Gray	1
14	RCX361134	Pump Motor Shaft Coupling	10
15a	RCX36111060X	Motor Box Assembly	1
15b	RCX36111065X	Motor Box Assembly, WiFi	1
16	RCX36131649236	Shell Rear Cover Assembly, Black	1
17a	RCX36131314D237	Shell, Side Panel A/B Dec 600 (Includes Side A & B)	1
17b	RCX361313141237	Shell, Side Panel A/B Dec 650 (Includes Side A & B)	1
18	RCX361318236	Shell Front Cover, Black	1
19	RCX361109WS239	Vacuum Inlet Bottom	5
20	RCX3632922239	Middle Short Brush Assembly, Dark Gray <i>(set of 2)</i>	6
21	RCX36132337239	Front/Back Long Brush Assembly, Dark Gray <i>(set of 2)</i>	6
22	RCX361117218	Gear Box Assembly, Gray	1
23	RCX36140311234	Wheel Assembly Kit, Blue (Includes Tread) <i>(set of 2)</i>	6
24	RCX361404234PK6	Wheel Tread Kit, Met Blue <i>(6 pack)</i>	6
26	RCX361141243	Standard Debris Mesh	5
27	RCX361511243	Fine Debris Mesh	1
—	RCX361430KIT	Foam Kit Assembly	1
—	RCX361121PK4	Screw Pack, Torx #8-16 x .50 <i>(4 Pack)</i>	10
—	RCX36128586236	Caddy Handle, Black	1
—	RCX361294KIT	Caddy Wheel Kit <i>(Set of 2)</i>	1

# AquaVac 250Li

CORDLESS ROBOTIC CLEANER

## Parts Diagram



Cleaners

# AquaVac 250Li

CORDLESS ROBOTIC CLEANER

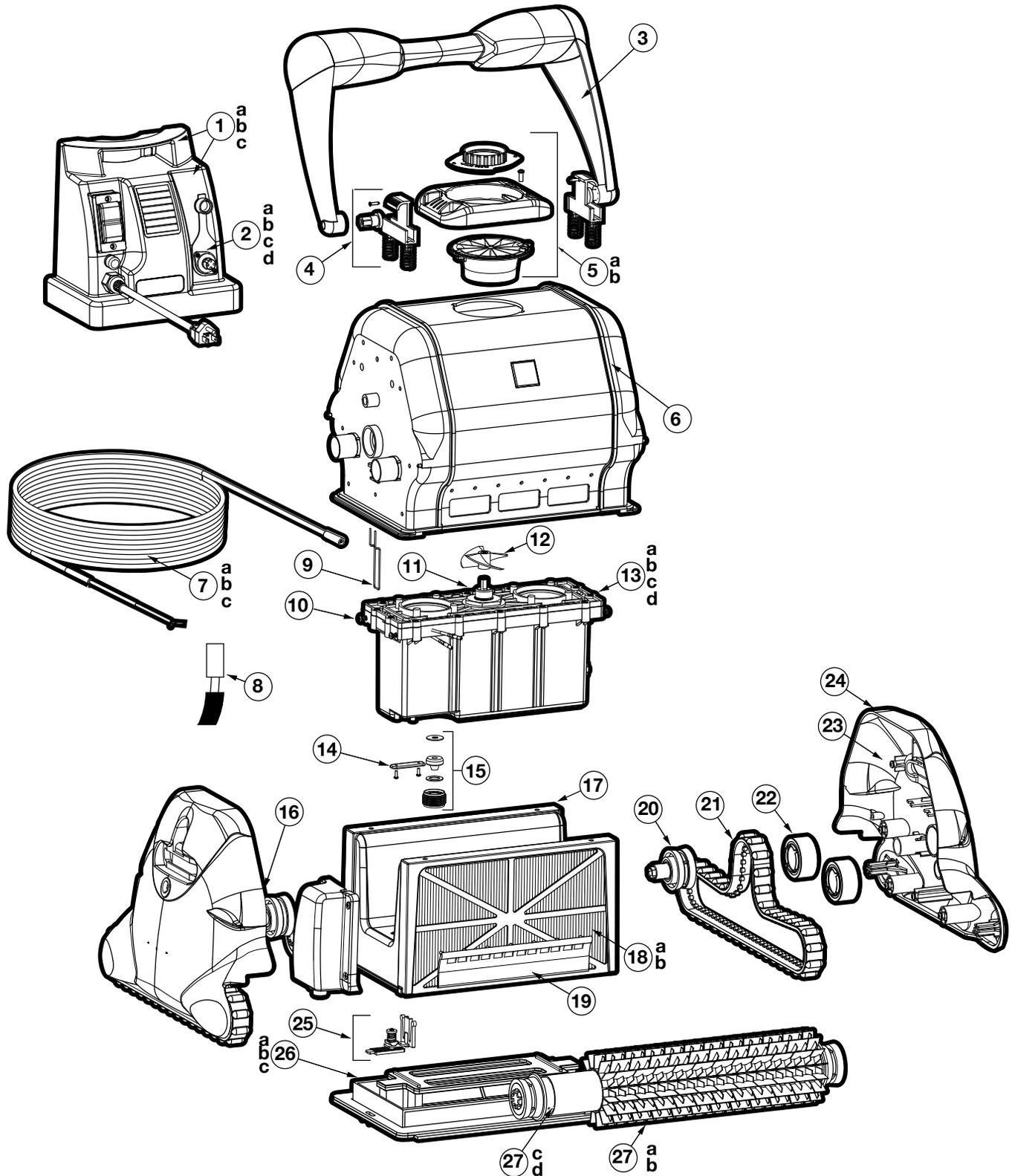
## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	RCX20ASM05U	(US) Swivel Head (with flap + ring + scREW plate)	4
2	RCX203007	Side Flap (with side pin)	24
3	RCX203508004	Swivel Smooth-Ring	30
5	RCX203505005	Swivel Head Bottom Screw Plate	16
4	RCX20ASM03	Top Cover	4
6	RCX203509	Filter Cover	4
7	RCX2035ASM06	Whole Base Unit	4
8	RCX203012	Wheel (with screw and washer) 1 pc	10
9	RCX2032ASM10	Clip-on Rake	10
10	RCX2032ASM10	Clip-on Brush	10
11	RCX2035ASM04	Drainage Outlet Flap (with screws)	30
12	RCX2035ASM04	Suction Mouth Flap (with screws)	30
13	RCX203018	Bumper x 2	8
14	RCX203513	Float	8
15	RCX203116	Hook (with V-Clip) for Telescopic Pole	20
16	RCX203017	Charging Base	24
17	RCX203017U	(US) Adaptor	10

# AquaVac QC

## REPLACEMENT PARTS

### Parts Diagram



Cleaners

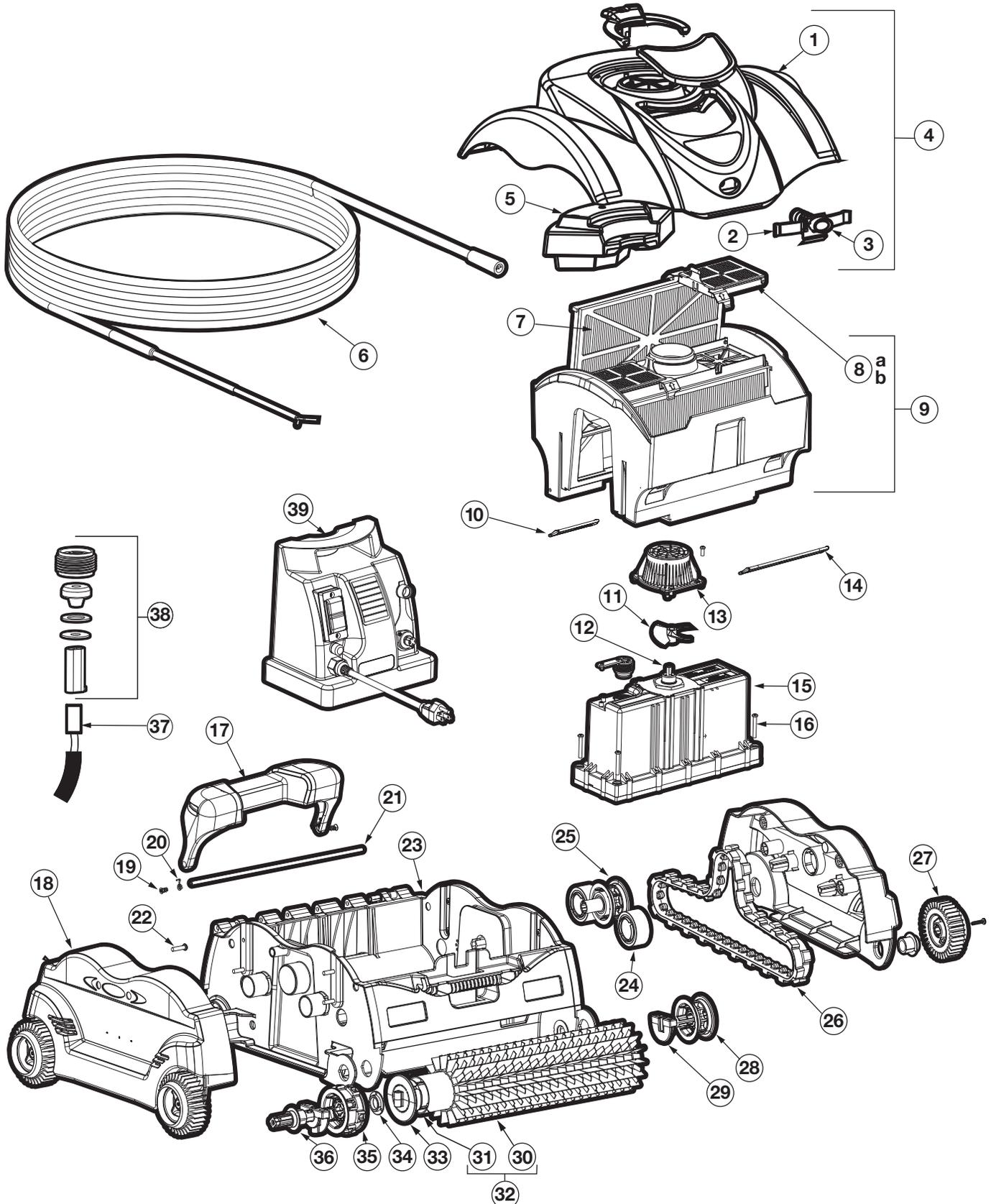
## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	RCX97453QC	Power Supply-110 VAC, Quikclean	1
2a	RCX31013A	Power Supply Circuit Breaker 3A	50
2b	RCX31012	Power Supply Switch 16A	50
2c	RCX31012A	Power Supply Switch Membrane Cover	50
2d	RCX31018	Power Supply Output Connector	50
3	RCX76008-234	Handle Assembly – Blue	5
4	RCX14000KIT	Handle Arm Slide Kit	1
5a	RCX11208	Venturi Assembly, New Style	10
5b	RCX11208BK	Venturi Assembly, Black	1
6	RCX13001C	Main Case	1
7	RCX50061	Floating Cord Assembly – 55 ft.	1
8	RCX59006	Connector Socket, Molex	50
9	RCX11400	Clip, Lid (Set of 2)	10
10	RCX12001	Screw, M4X12 T-20 (set of 5)	10
11	RCX40117	Drive Pin Assembly	50
12	RCX11000	Impeller	10
13	RCX40000DC	Motor Unit, Upgrade Kit	1
14	RCX59007	Plate-Cover, Strain Relief	10
15	RCX59004KIT	Motor Cord Seal Kit	5
16	RCX26001	Roller Bearing Guide	10
17	RCX70100	Filter Cartridge Assembly, Frame and Filters	1
18a	RCX70101PAK2	Filter Cartridges (set of 2)	5
18b	RCX70103PAK2	Spring Cleanup Filters (set of 2)	5
19	RCX17100	Flap Drain (set of 2)	10
20	RCX26002	Bearing, Drive Pulley Assembly (Includes RC260031 insert)	10
21	RCX23002	Drive Track, Soft Tread	5
22	RCX26000PAK2	Pulley Bearing Kit (set of 2)	5
23	RCX12011	Screw M5X20 Pan TORX HD T-20	10
24	RCX97201	Side Cover (Right and Left)	1
25	RCX75003KIT	Locking Plate Kit	1
26a	RCX75000-236	Bottom Lid Assembly, Black	1
26b	RCX78005	Bottom Lid Filter Gasket	10
26c	RCX75005	Inlet Flap	10
27a	RCX26008	Roller Brush	5
27b	RCX26012	Foam Roller Assembly	5
27c	RCX26003	Wheel Tube Assembly without Brush	5
27d	RCX26005S	Bearing-Wheel Tube Slotted	10
—	RCX97500GR	Drive Train Upgrade Kit	1
—	RCX17000	High Velocity Inlet	10

# eVac Pro & SharkVac XL

## ROBOTIC POOL CLEANER REPLACEMENT PARTS

### Parts Diagram



Cleaners

# eVac Pro & SharkVac XL

## ROBOTIC POOL CLEANER REPLACEMENT PARTS

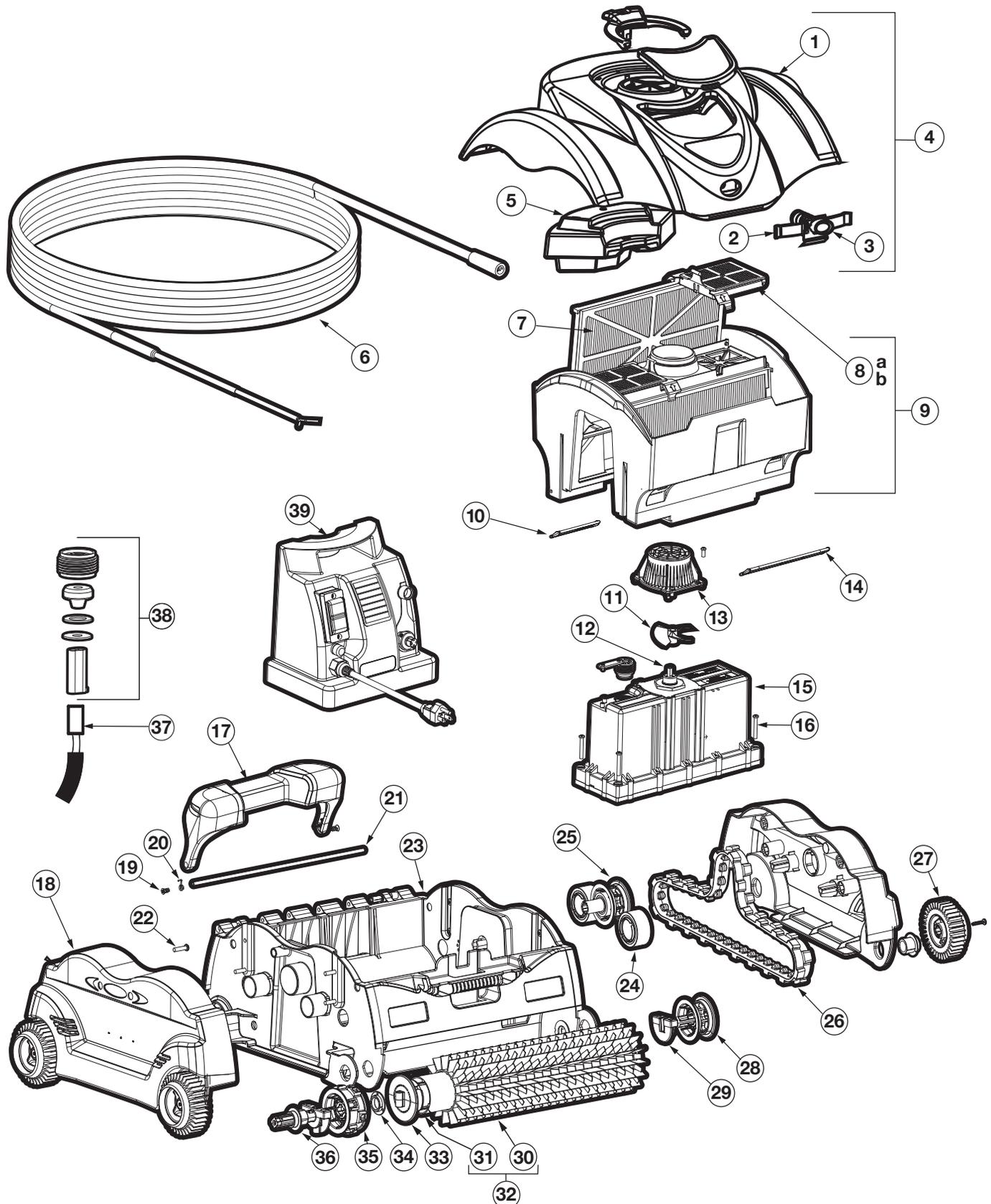
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	RCX97470SB-237	Dome, SV XL Gray Met	1
2	RCX341149	Spring, Flat SV/EV	1
3	RCX97433	Button SV	1
4	RCX97471SB-237	Dome Assembly, SV Gray (Includes 1,2,3,4,5)	1
5	RCX97477	Float Assembly SV XL/ EV Pro	1
6	RCX97413	Cord, Assembly 50' SV/EV	1
7	RCX70101PAK2	Filter Cartridges (Set of 2)	5
—	RCX70103PAK2	Spring Cleanup Filters (Set of 2)	5
8a	RCX97417	Door, Filter	1
8b	RCX97417SPA2	Door, Filter Element (Set of 2)	1
9	RCX97414	Filter Bucket Assembly SV/EV (Includes 10,11,12)	1
10	RCX97405	Flap, Drain Small SV	1
11	RCX11000	Impeller	10
12	RCX40117	Drive Pin Assembly	50
13	RCX97455	Tube Vent	10
14	RCX97407	Flap, Drain Large SV	1
15	RCX97490	Motor Assembly SV/EV	1
16	RCX97461	Screw M5X35MM PT (Set of 5)	10
17	RCX97480SB-234	Handle Assembly SV, Blue	1
18a	RCX97403XL-236	Panel, Side SV XL, Black	1
18b	RCX97403P-236	Panel, Side EV Pro, Black	1
19	RCX97423	Bushing, Dome, SV (Set of 2)	5
20	RCX97427	Spring, Handle	25
21	RCX97459	Screw M7X10MM Flat TORX (Set of 5)	5
22	RCX97429	Shaft, Hinge S.S. SV/EV	10
23	RCX12011	Screw M5X20 Pan TORX HD T-20	10
24	RCX341142-236	Base SV, Black	1
25	RCX26000PAK2	Pulley Bearing Kit (Set of 2)	5
26	RCX97502GR	Drive Bearing Assembly	5
27	RCX97501GR	Drive Track, Soft Tread	5
28	RCX97508GR	Wheel Rim with Tire SV	5
29	RCX97505PAK2	Drive Track Wheel Kit SV (Set of 2)	5
30	RCX97507PAK2	Roller Wheel Shaft SV (Set of 2)	5
31	RCX26008	Roller Brush	5
32	RCX97520ABK	Tube Wheel, SharkVac, Black	1
33	RCX97410	Tube Wheel Assembly SV	5
34	RCX97441	Roller End SV	10
35	RCX97435PAK2	Roller Shaft Bushing Kit (Set of 2)	5
36	RCX97509PAK2	Drive Wheel Kit	5
37	RCX97506PAK2	Roller Bushing Kit (Set of 2)	5
38	RCX59006	Connector Socket Molex	50
39	RCX59004KIT	Motor Cord Seal Kit	5
40	RCX97453	Power Supply SV	1
—	RCX31013A	Power Supply Circuit Breaker 3A	50
—	RCX31012	Power Supply Switch 16A	50
—	RCX31012A	Power Supply Switch Membrane Cover	50
—	RCX31018	Power Supply Output Connector	50

# eVac & SharkVac

## REPLACEMENT PARTS

### Parts Diagram



Cleaners

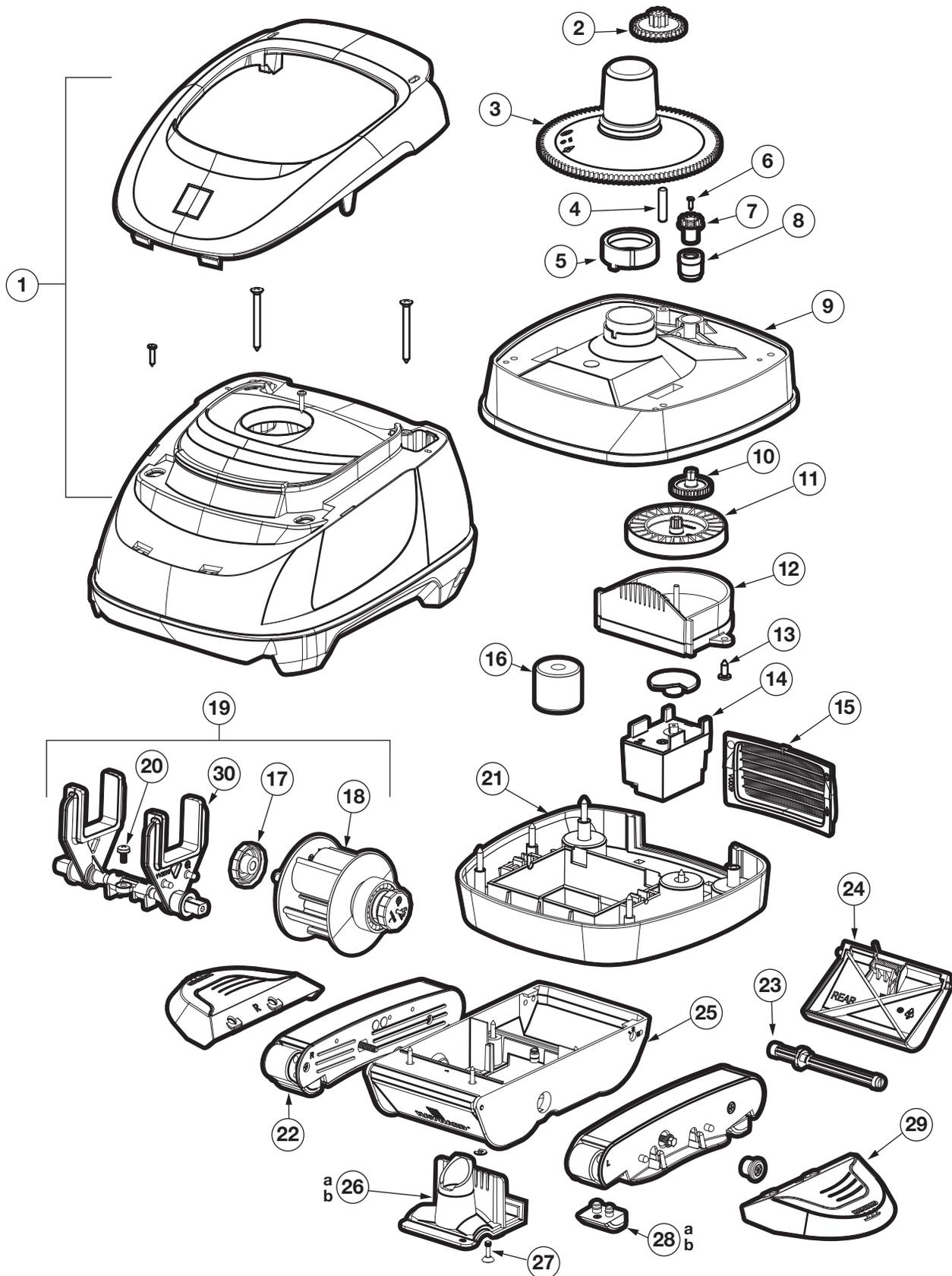
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	RCX97421	Window, Dome Clear SV	1
2	RCX97419-237	Dome, SV Gray	1
3	RCX341149	Spring, Flat SV/EV	5
4	RCX97433	Button SV	1
5	RCX97423	Bushing, Dome, SV	5
6	RCX97418-237	Dome Assembly, SV Gray (Includes 1,2,3,4,5)	1
7	RCX97413	Cord, Assembly 50' SV/EV	1
8	RCX70101PAK2	Filter Cartridges (Set of 2)	5
9a	RCX97417	Door, Filter	1
9b	RCX97417SPAK2	Door, Filter Element (Set of 2)	1
—	RCX70103PAK2	Spring Cleanup Filters (Set of 2)	5
10	RCX97405	Flap, Drain Small SV	1
11	RCX97455	Tube Vent	10
12	RCX40117	Drive Pin Assembly	50
13	RCX11000	Impeller	10
14	RCX97407	Flap, Drain Large SV	1
15	RCX97414	Filter Bucket Assembly SV/EV (Includes 9, 10,11)	1
16	RCX97461	Screw M5X35MM PT (Set of 5)	10
17	RCX97400	Motor Assembly SV/EV	1
18	RCX97425-234	Handle Assembly SV, Blue	1
19	RCX97403-236	Panel, Side SV, Black	1
20	RCX12011	Screw M5X20 Pan TORX HD T-20	10
21	RCX97427	Spring, Handle	25
22	RCX97459	Screw M7X10MM Flat TORX (Set of 5)	5
23	RCX97429	Shaft, Hinge S.S. SV/EV	10
24	RCX341142-236	Base SV, Black	1
25	RCX26000PAK2	Pulley Bearing Kit (Set of 2)	5
26	RCX97502GR	Drive Bearing Assembly	5
27	RCX97507PAK2	Roller Wheel Shaft SV (Set of 2)	5
28	RCX97501GR	Drive Track, Soft Tread	5
29	RCX97509PAK2	Drive Wheel Kit	5
30	RCX97508GR	Wheel Rim with Tire SV	5
31	RCX26008	Roller Brush	5
32	RCX97520ABK	Tube Wheel, Black, SharkVac	1
33	RCX97441	Roller End SV	10
34	RCX97410	Tube Wheel Assembly SV	5
35	RCX97435PAK2	Roller Shaft Bushing Kit (Set of 2)	5
36	RCX97505GR	Wheel-Drive Belt, SV	5
37	RCX97506PAK2	Roller Bushing Kit (Set of 2)	5
38	RCX59006	Connector Socket Molex	50
39	RCX59004KIT	Motor Cord Seal Kit	5
40	RCX97453	Power Supply SV	1
—	RCX31013A	Power Supply Circuit Breaker 3A	50
—	RCX31012	Power Supply Switch 16A	50
—	RCX31012A	Power Supply Switch Membrane Cover	50
—	RCX31018	Power Supply Output Connector	50

# Navigator® V-Flex™

## REPLACEMENT PARTS

### Parts Diagram



Cleaners

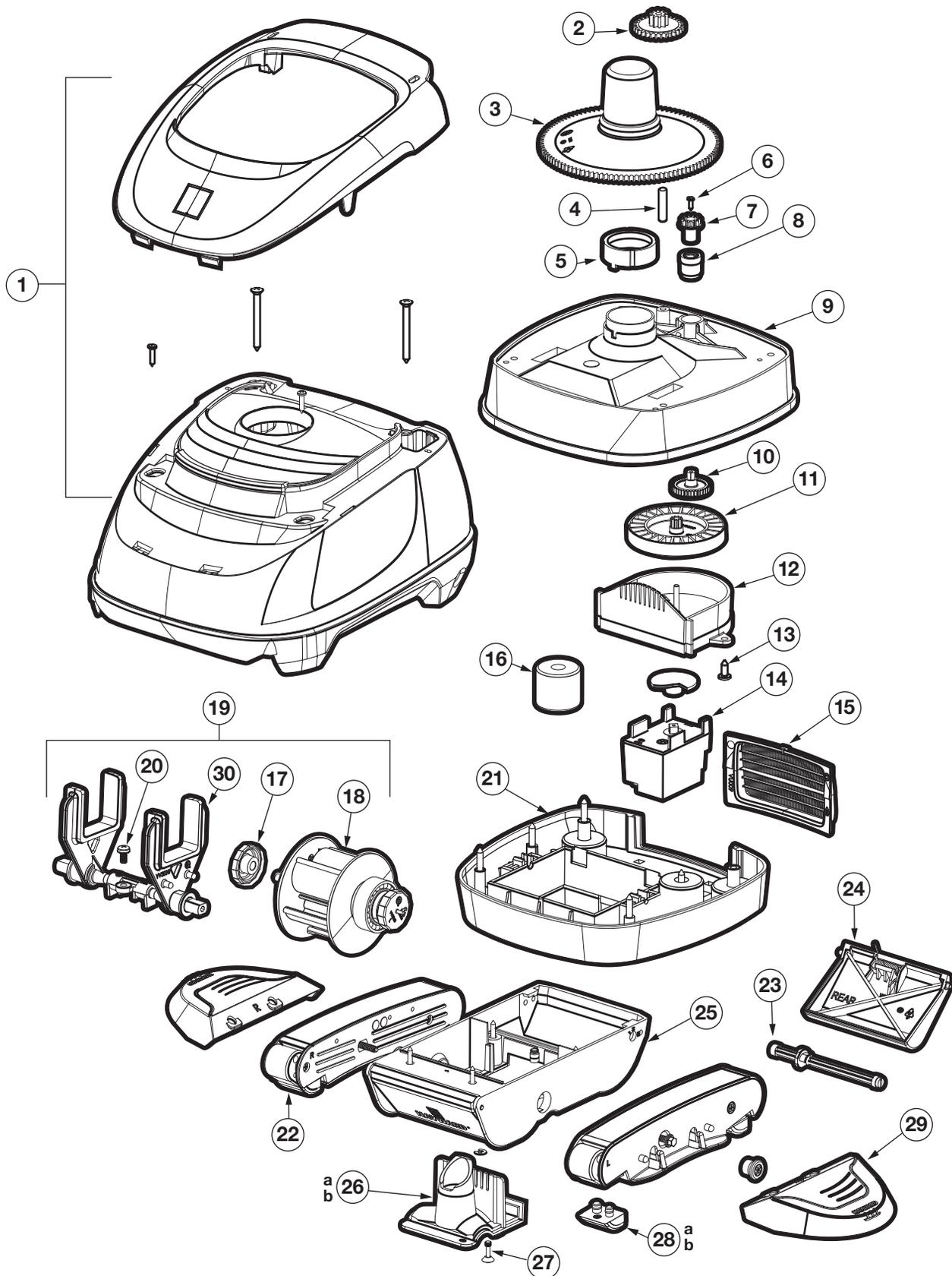
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	AXV925VFSA	Navi VFlex Shell Assembly	1
2	AXV301	Inter Gear	25
3	AXV070	Cone Gear, Clear	10
4	AXV309	Inter Gear, Shaft	50
5	AXV306	Cone Gear Bushing	25
6	AXV068	Spindle Gear Screw	50
7	AXV303	Cone Spindle Gear	25
8	AXV066A	Cone Spindle Gear Bushing	25
9	HSXV060R237	Mid Body, Upper Housing	10
10	AXV064A	Medium Turbine Drive Gear	25
11	AXV062C	Medium Turbine	25
12	AXV009	Medium Turbine Case/Axle Assembly	25
13	AXV065P	Upper Body Screw	25
14	AXV408P	Gear Box Assembly	25
15	AXVU009-237	Screen Kit	50
16	AXV054FH	Float Kit	25
17	HSX304060	Turbine Shaft Retainer (2 pack)	25
18	HSXV3000SAC	Turbine Kit (turbine and 2 turbine shaft retainers)	25
19	HSXV3010SA	Kit, Turbine/A-Frame 5 Vane	10
20	AXV313	A-Frame Saddle Clip Retaining Screw	25
21	HSXV050C237	Lower Body Housing	10
22	AXV417-237	Pod Kit	25
23	AXV031B	Flap Adjuster	25
24	AXV434-237	Flap Kit (2 flaps, front and rear springs)	50
25	AXV230D-237	Open Lower Body	10
26a	HSXW015SAC-237	Access Cover Assembly, Concrete	25
26b	HSXW015SAV-237	Access Cover Assembly, Vinyl	25
27	AXV314P	Captive Screw with Clip	25
28a	AXV414P	Shoes, Concrete (4 pack)	25
28b	AXV413P	Shoes, Vinyl (4 pack)	25
29	AXV604-237	Wing Kit	50
30	VWX3010SA	A-Frame	10

# Navigator® Pro

## REPLACEMENT PARTS

### Parts Diagram



Cleaners

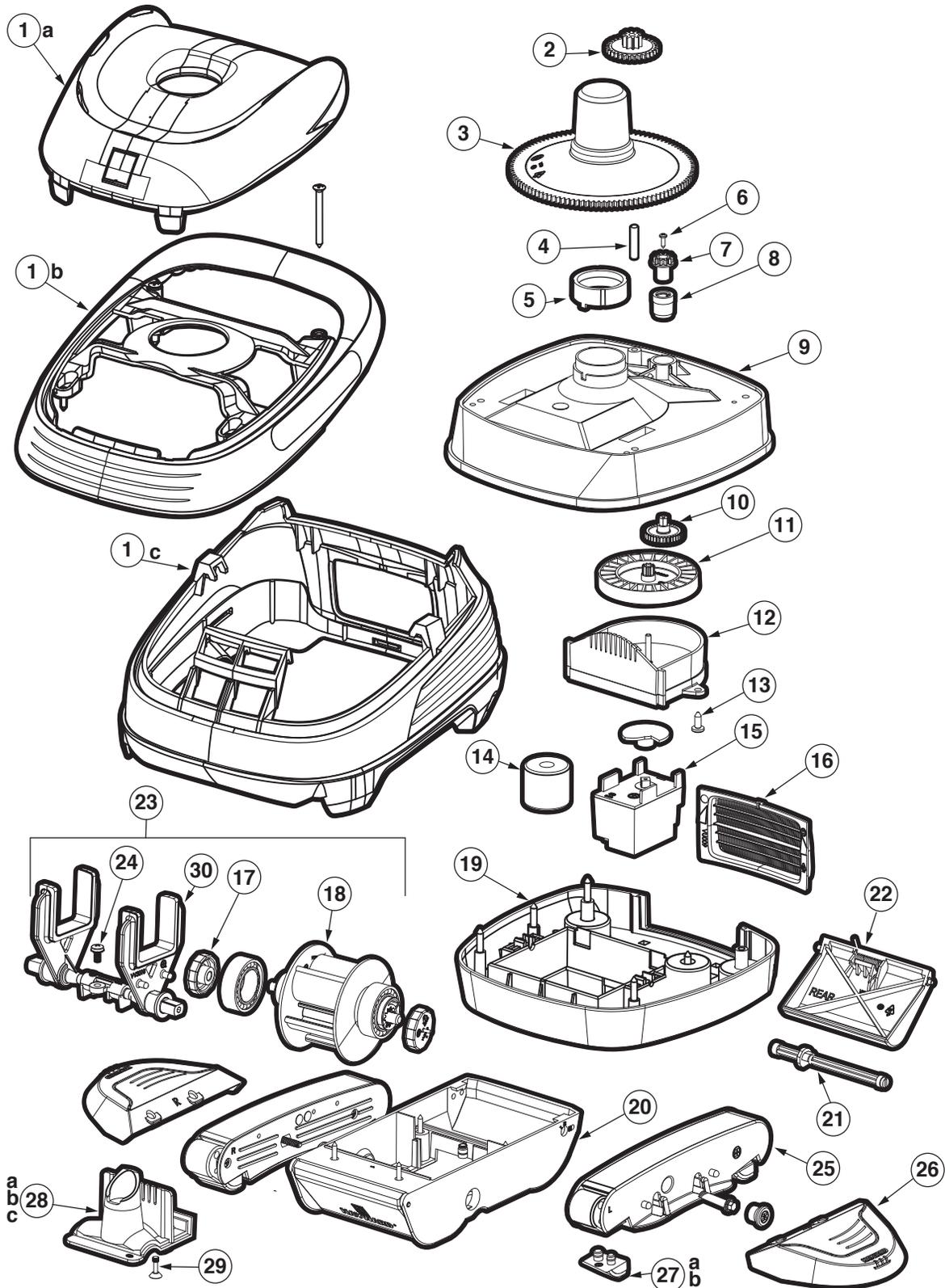
## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	AXV925ADSA	Navigator Pro Shell Assembly	1
2	AXV301	Inter Gear	25
3	AXV070	Cone Gear, Clear	10
4	AXV309	Inter Gear, Shaft	50
5	AXV306	Cone Gear Bushing	25
6	AXV068	Spindle Gear Screw	50
7	AXV303	Cone Spindle Gear	25
8	AXV066A	Cone Spindle Gear Bushing	25
9	AXV060WH	Mid Body, Upper Housing	10
10	AXV064A	Medium Turbine Drive Gear	25
11	AXV062C	Medium Turbine	25
12	AXV009	Medium Turbine Case/Axle Assembly	25
13	AXV065P	Upper Body Screw (6 pack)	25
14	AXV408P	Gear Box Assembly	25
15	AXVU009-237	Screen Kit	50
16	AXV054FH	Float Kit	25
17	AXV055P	Turbine Bearing (2 pack)	50
18	AXV602P	Turbine Kit (turbine and 2 turbine bearings)	25
19	AXV621DAT	Kit-Universal, Turbine/A-Frame	10
20	AXV313	A-Frame Saddle Clip Retaining Screw	25
21	AXV050CWH	Lower Middle Body	10
22	AXV417WHP	Pod Kit	25
23	AXV031B	Flap Adjuster	25
24	AXV434WHP	Flap Kit (2 flaps, front and rear springs)	50
25	AXV230DWH	Open Lower Body	10
26a	AXV603	Access Cover Assembly, Concrete	25
26b	AXV603A	Access Cover Assembly, Vinyl	25
26c	AXV603CLO	Access Cover Assembly, Concrete Large Skids	25
27	AXV314P	Captive Screw with Clip	25
28a	AXV414P	Shoes, Concrete (4 pack)	25
28b	AXV413P	Shoes, Vinyl (4 pack)	25
29	AXV604WHP	Wing Kit	50
30	AXV621D	Kit-Universal, A-Frame	25

# PoolVac V-Flex™

## REPLACEMENT PARTS

### Parts Diagram



Lighting

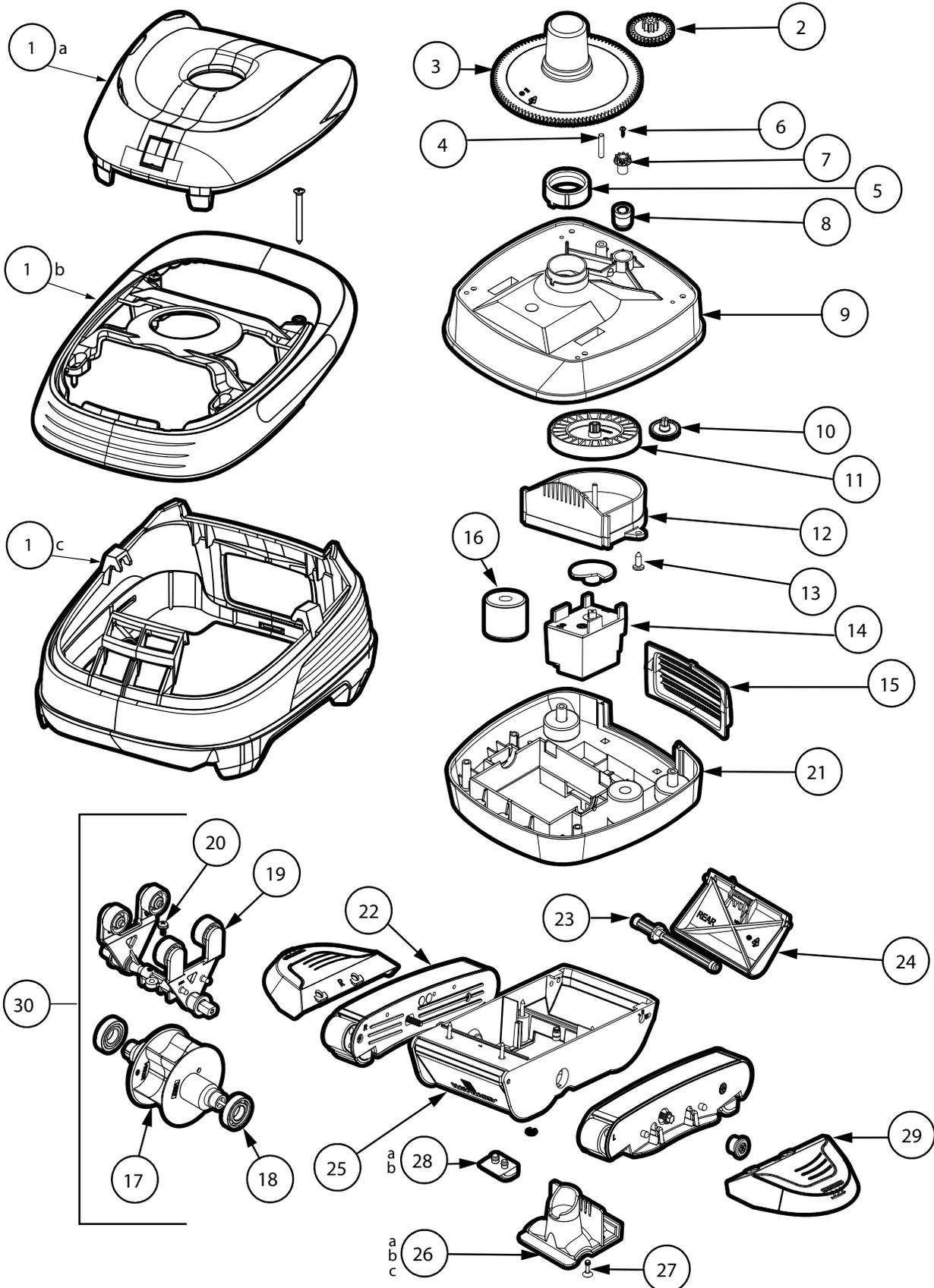
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1a	HSXW017SA-237	Assembly, Cover-PV V-Flex	1
1b	HSXW018SA-236	Assembly, Handle-PV V-Flex	1
1c	AXVU015-237	Assembly, Shell and Skirt, PV V-Flex	1
2	AXV301	Inter Gear	25
3	AXV070	Cone Gear, Clear	10
4	AXV309	Inter Gear Shaft	50
5	AXV306	Cone Gear Bushing	25
6	AXV068	Spindle Gear Screw	50
7	AXV303	Cone Spindle Gear	25
8	AXV066A	Cone Spindle Gear Bushing	25
9	HSXV060R237	Upper Middle Body	10
10	AXV064A	Medium Turbine Drive Gear	25
11	AXV062C	Medium Turbine	25
12	AXV009	Medium Turbine Case/Axle Assembly	25
13	AXV065P	Upper Body Screw (6 pack)	25
14	AXV054FH	Float Kit	25
15	AXV408P	Gear Box Assembly	25
16	AXVU009-237	Screen Kit	50
17	HSX304060	Turbine Shaft Retainer (2 pack)	25
18	HSXW3000SAC	Turbine Kit (turbine and 2 turbine bearings)	25
19	HSXV050C237	Lower Body, Housing	10
20	AXV230D-237	Open Lower Body	10
21	AXV031B	Flap Adjuster	25
22	AXV434-237	Flap Kit (2 flaps, front and rear springs)	50
23	HSXW3010SA	Kit, Turbine/A-Frame 5 Vane	10
24	AXV313	Lower Body Screw	25
25	AXV417-237	Pod Kit	25
26	AXV604-237	Wing Kit	50
27a	AXV414P	Shoes, Concrete (4 pack)	25
27b	AXV413P	Shoes, Vinyl (4 pack)	25
28a	AXV603	Access Cover Assembly, Concrete	25
28b	AXV603A	Access Cover Assembly, Vinyl	25
28c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25
29	AXV314P	Captive Screw with Clip	25
30	WX3010SA	A-Frame	10

# PoolVac XL™

REPLACEMENT PARTS

## Parts Diagram



Lighting

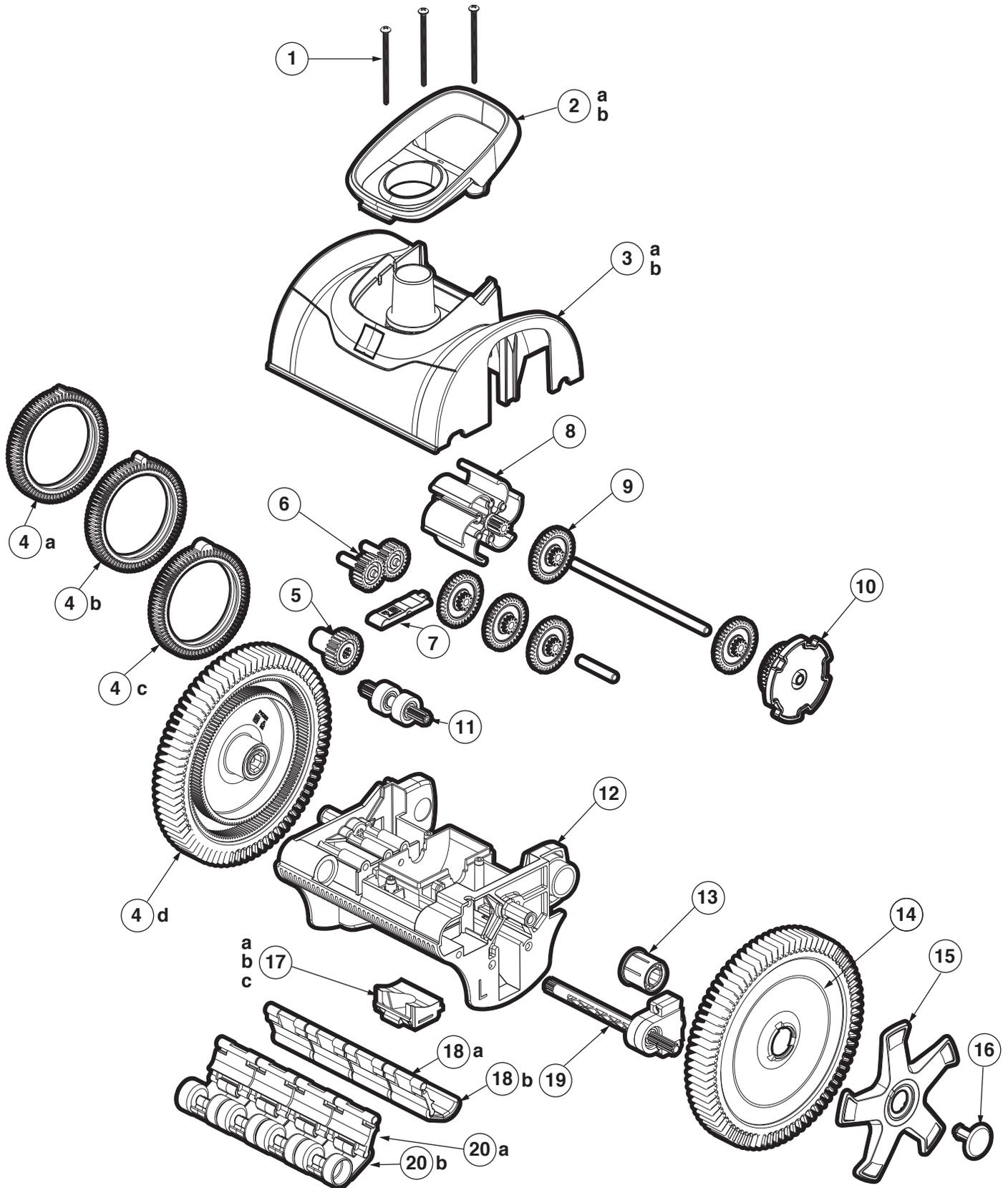
## Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1a	AXVU018	PoolVac XL Cover Assembly	1
1b	AXVU019	PoolVac XL Handle Assembly	1
1c	AXVU015	PoolVac XL Skirt Assembly	1
2	AXV301	Inter Gear	25
3	AXV070	Cone Gear, Clear	10
4	AXV309	Inter Gear Shaft	50
5	AXV306	Cone Gear Bushing	25
6	AXV068	Spindle Gear Screw	50
7	AXV303	Cone Spindle Gear	25
8	AXV066A	Cone Spindle Gear Bushing	25
9	AXV060WH	Upper Middle Body	10
10	AXV064A	Medium Turbine Drive Gear	25
11	AXV062C	Medium Turbine	25
12	AXV009	Medium Turbine Case/Axle Assembly	25
13	AXV065P	Upper Body Screw (6 pack)	25
14	AXV408P	Gear Box Assembly	25
15	AXVU009	Screen Kit	50
16	AXV054FH	Float Kit	25
17	AXV602P	Turbine Kit (turbine and 2 turbine bearings)	25
18	AXV055P	Turbine Bearing (2 pack)	50
19	AXV621D	Kit-Universal, A-Frame	25
20	AXV313	A-Frame Saddle Clip Retaining Screw	25
21	AXV050CWH	Lower Body	10
22	AXV417WHP	Pod Kit	25
23	AXV031B	Flap Adjuster	25
24	AXV621DAT	Kit-Universal, Turbine/A-Frame	10
25	AXV230DWH	Open Lower Body	10
26a	AXV603	Access Cover Assembly, Concrete	25
26b	AXV603A	Access Cover Assembly, Vinyl	25
26c	AXV603CLO	Access Cover Assembly, Concrete – Large Skids	25
27	AXV314P	Captive Screw with Clip	25
28a	AXV414P	Shoes, Concrete (4 pack)	25
28b	AXV413P	Shoes, Vinyl (4 pack)	25
29	AXV604WHP	Wing Kit	50
30	AXV434WHP	Flap Kit (2 flaps, front and rear springs)	50

# AquaNaut® 200 & 250

## REPLACEMENT PARTS

### Parts Diagram



White Goods

# AquaNaut® 200 & 250

## REPLACEMENT PARTS

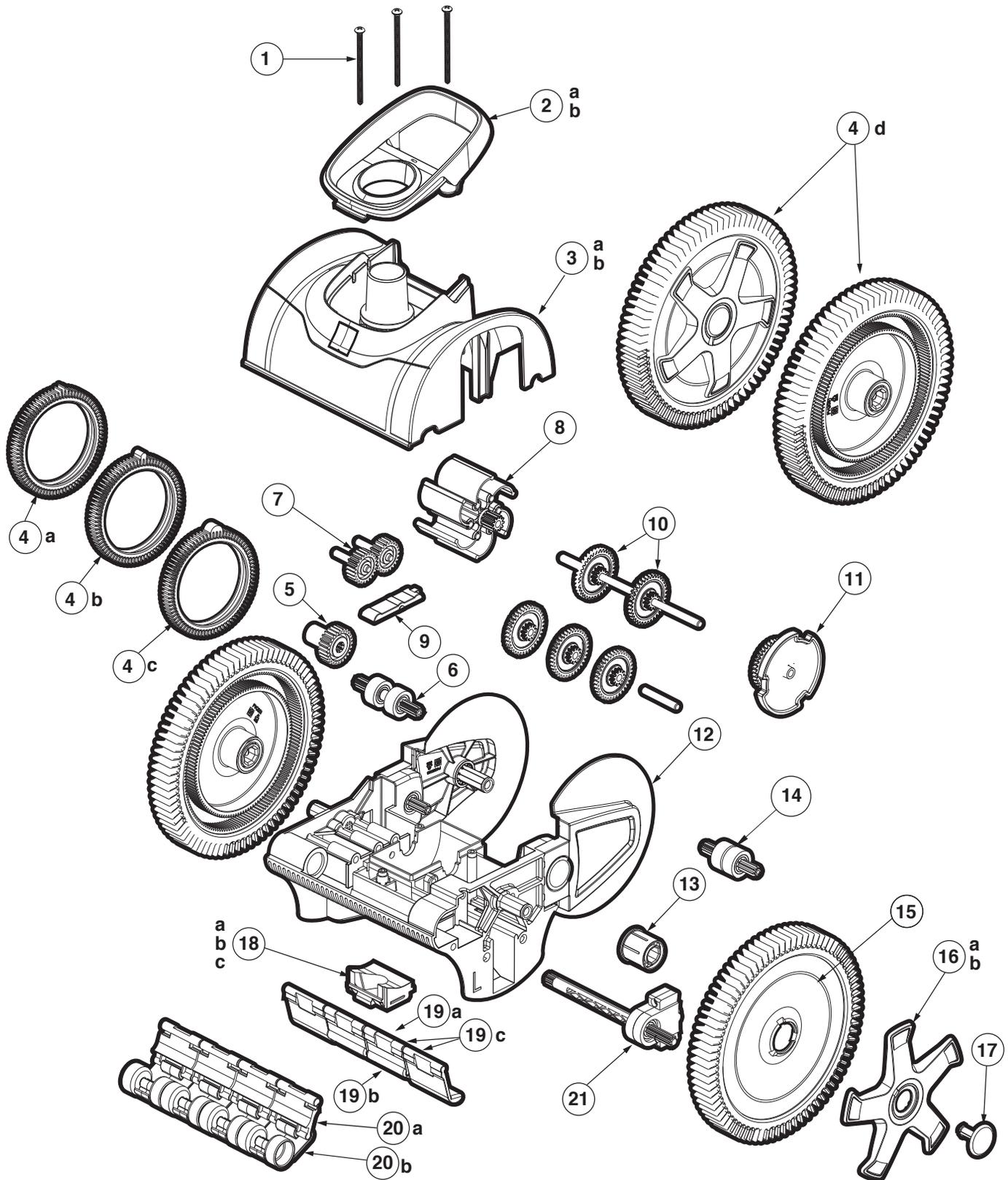
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	SCRX4012PK3	Screw, #10 x 3 18-8 (3 pack)	20
2a	PVXS0002-234-01	Handle, 200 Blue Met Printed	10
2b	PVXE0002-234-01	Handle, 250 Blue Met Printed	10
3a	PVXS01SA-237-01	Upper Body, Blue Logo	1
3b	PVXE0001SA-237	Upper Body	1
4a	PVX075PK2-234	Wheel Tread, Finger Hump, Blue Met (2 pack)	10
4b	PVXS11PK2-234	Wheel Tread, Super, Blue Met (2 pack)	10
4c	PVX679PK2	Wheel Tread, Super Super, Blue (2 pack)	10
4d	PVXS16PK2-234	Wheel Tread, Blue Met – Optional (2 pack)	10
5	PVXH007	Gear, Drive, Large	25
6	PVXH008PK2	Gear, Drive, Small (2 pack)	20
7	PVXS0007	Shaft Retainer, White Plastic	25
8	PVXH038SA	Turbine, 6-Vane Kit	10
9	PVXH009PK5	Gear, Reduction (5 pack)	10
10	PVXH036009	Steering Cam Gear 2x2	10
11	PVXH019SA	Shaft Bearing	25
12	PVX792SA-236	Lower Body, Black Met	1
13	PVX976PK2	Wheel Bearing (2 pack)	10
14	PVX051-236	Wheel Hub, Black Met	20
15	PVXS005PK2-237	Wheel Style, 5-Spoke Gray Met (2 pack)	20
16	PVXS0006-237	Wheel Retainer, Gray Met	20
17a	PVX990S-207	Inlet, Suction, Small, Gray	10
17b	PVX990M-236	Inlet, Suction, Medium, Black Met	10
17c	PVX990L-207	Inlet, Suction, Large, Gray	10
18a	PVXH014BKPK4	Bracket Skirt, Black (4 pack)	10
18b	PVXH013BKPK4	Skirt, Black (4 pack)	10
19	PVXH011SA	Steering Bracket Roller	20
20a	PVXH014BKPK4	Bracket Skirt (4 pack)	10
20b	PVX043042BKPK4	Roller Skirt, Black (4 pack)	10
—	PVX631PK2	Hose Float, Black (2 pack)	10

# AquaNaut® 400 & 450

## REPLACEMENT PARTS

### Parts Diagram



Lighting

# AquaNaut® 400 & 450

## REPLACEMENT PARTS

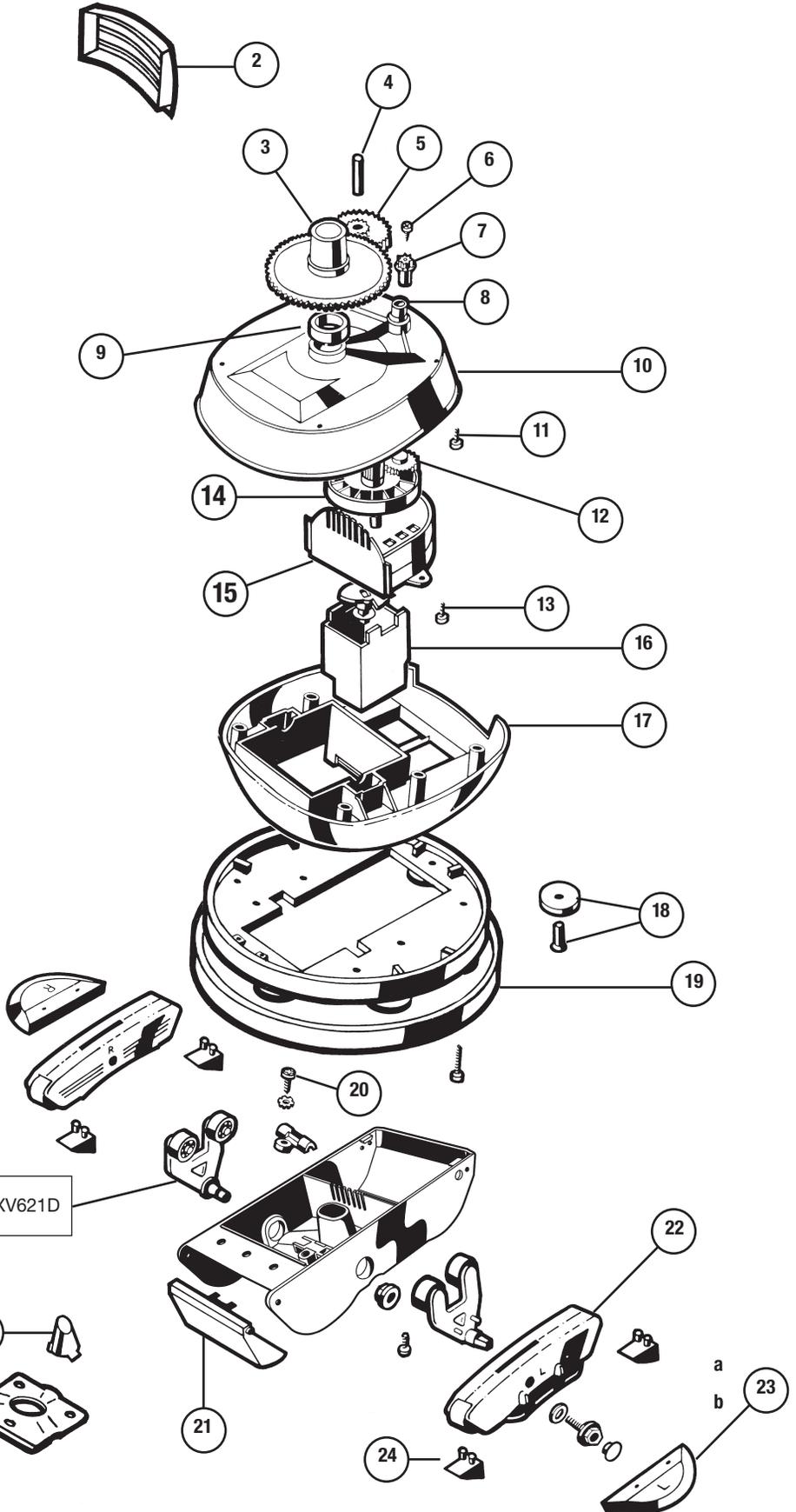
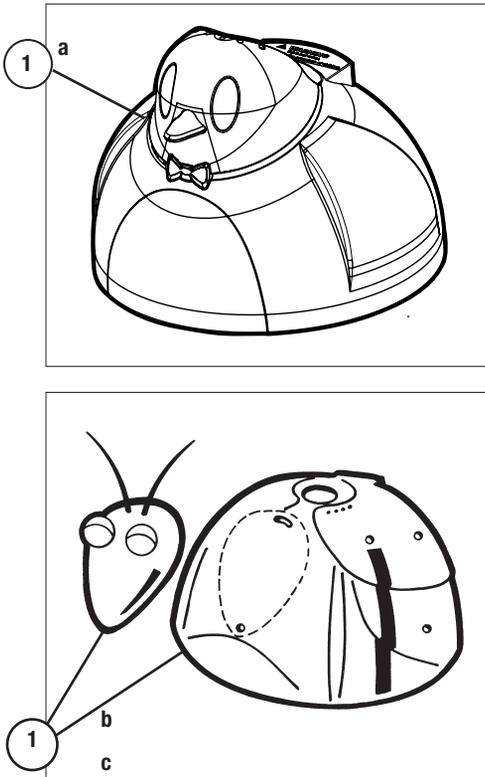
### Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.
1	SCRX4012PK3	Screw, #10 x 3 18-8 (3 pack)	20
2a	PVXS0002-234-02	Handle, 400 Blue Met, Upper Body 400, Blue Logo	10
2b	PVXE0002-234-02	Handle, 450 Blue Met	10
3a	PVXS01SA-237-01	Upper Body, Blue Logo	1
3b	PVXE0001SA-237	Upper Body, 450 Blue Logo	1
4a	PVX075PK2-234	Wheel Tread, Finger Hump, Blue Met (2 pack)	10
4b	PVXS11PK2-234	Wheel Tread, Super, Blue Met (2 pack)	10
4c	PVX679PK2	Wheel Tread, Super Super, Blue (2 pack)	10
4d	PVXS16PK2-234	Wheel Tread, Blue Met – Optional (2 pack)	10
5	PVXH007	Gear, Drive, Large	25
6	PVXH019SA	Shaft Bearing	25
7	PVXH008PK2	Gear, Drive, Small (2 pack)	20
8	PVXH038SA	Turbine, 6-Vane Kit	10
9	PVXS0007	Shaft Retainer, White Plastic	25
10	PVXH009PK5	Gear, Reduction (5 pack)	20
11	PVXH010009	Steering Cam Gear 4x4	10
12	PVXS0009-236	Lower Body, 4-Wheel, Black Met	1
13	PVX976PK2	Wheel Bearing (2 pack)	10
14	PVXH020SA	Gear Shaft, Rear	25
15	PVX051-236	Wheel Hub, Black Met	20
16a	PVXS005PK2-237	Wheel Style 400, 5-Spoke Gray Met (2 pack)	20
16b	PVXE003PK2-237	Wheel Style 450, 4-Spoke Gray Met (2 pack)	20
17	PVXS0006-237	Wheel Retainer, Gray Met	20
18a	PVX990S-207	Inlet, Suction, Small, Gray	10
18b	PVX990M-236	Inlet, Suction, Medium, Black Met	10
18c	PVX990L-207	Inlet, Suction, Large, Gray	10
19a	PVXH014BKPK4	Bracket Skirt (4 pack)	10
19b	PVXH013BKPK4	Skirt, Black (4 pack)	10
19c	PVX013028BK	Rear Skirt Kit, Black (2 Hinged/2 Non Hinged) 4 Wheel Only	10
20a	PVXH014BKPK4	Bracket Skirt (4 pack)	10
20b	PVX043042BKPK4	Roller Skirt, Black (4 pack)	10
21	PVXH011SA	Steering Bracket Roller	20
-	PVX631PK2	Hose Float, Black (2 pack)	10

# Penguin/Whale/Diver Dave®

## ABOVE-GROUND CLEANER REPLACEMENT PARTS

### Parts Diagram



# Penguin/Whale/Diver Dave®

## ABOVE-GROUND CLEANER REPLACEMENT PARTS

### Parts Listing

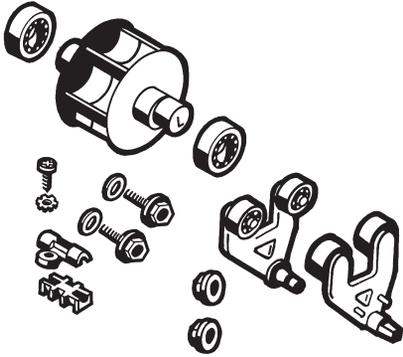
Ref. No.	Part No.	Description	Ctn Qty.	No. Req'd
1a	AXV100P	Shell Assembly Kit, Penguin	1	1
1b	AXV500AOR	Shell Assembly Kit AquaBug, Orange	1	1
1c	AXV500AYL	Shell Assembly Kit Aqua Critter, Yellow	1	1
2	AXV513BK	Screen, Black	10	1
3	AXV070	Cone Gear	10	1
4	AXV309	Intermediate Gear Shaft	50	1
5	AXV301	Intermediate Gear	25	1
6	AXV068	Spindle Gear Screw	50	1
7	AXV303	Spindle Gear	25	1
8	AXV066A	Spindle Gear Bushing	25	1
9	AXV306	Cone Gear Bushing	25	1
10	AXV060WH	Upper Middle Body	10	1
11	AXV065P	Lower/Upper Body Screw (6 pack)	25	1
12	AXV064A	Medium Turbine Drive Gear	25	1
13	AXV062C	Medium Turbine	25	1
14	AXV009	Medium Turbine Case with Axle	25	1
15	AXV055P	Turbine Bearings (2)	50	1
16	AXV518P	Gear Box	25	1
17	AXV050CWH	Lower Middle Body	10	1
18	AXV551P	Wheel Kit (6 wheels, axles)	25	1
19	AXV458	Ring, Black	5	1
20	AXV313	Lower Body Screw	25	1
21	AXV442	Flap Kit, White (2 flaps, front and rear)	50	1
22	AXV417WHP	Pod Kit	25	1
23a	AXV552WHP	Wing Kit, White	50	1
23b	AXV552ORP	Wing Kit, Orange	50	1
24	AXV014SP	Slotted Santoprene Shoes (4 pack)	25	1
25	AXV304A	Bottom Plate	20	1
26	AXV512A	Nozzle	50	1

# AquaBug®, Penguin, Whale® & Diver Dave®

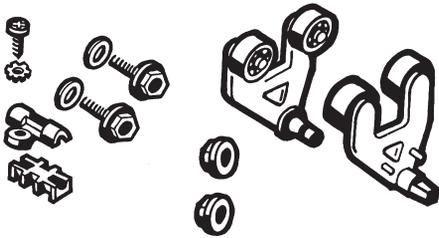
PARTS KITS AND ACCESSORIES FOR ABOVE-GROUND CLEANERS

## Parts Diagram

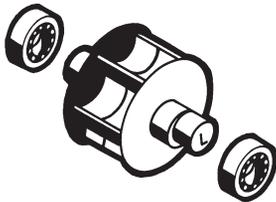
AXV621DAT Universal A-Frame/Turbine Kit



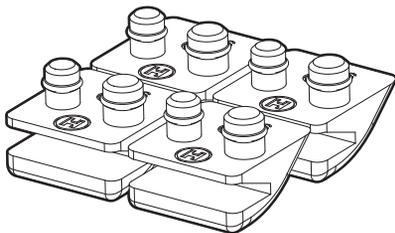
AXV621D Universal A-Frame Kit



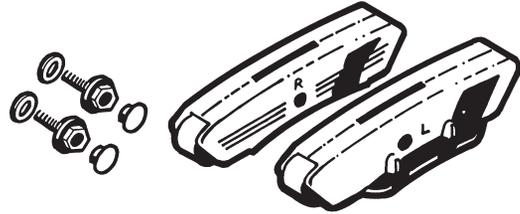
AXV112P Turbine Kit Above Ground



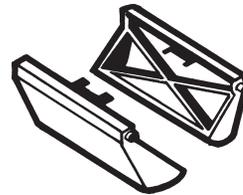
AXV014SP Pod Shoes



AXV417WHP Pod Kit, White



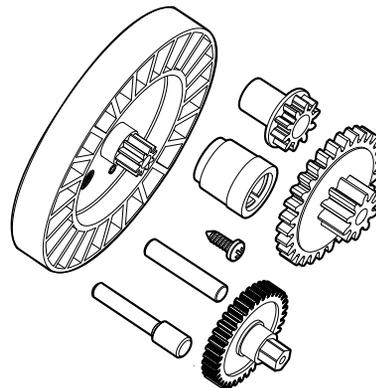
AXV434WHP Flap Kit



AXV093BP Skimmer Adapter Cone



AXV079VP Medium Turbine/Spindle Gear Kit



**NOTE:** \*Limited quantities available

# AquaBug®, Penguin, Whale® & Diver Dave®

PARTS KITS AND ACCESSORIES FOR ABOVE-GROUND CLEANERS

## Parts Listing

Part No.	Description	Ctn. Qty.	No. Req'd
AXV014SP	Pod Shoes, Fiberglass (4 pack)	25	1
AXV014FNP	Pod Shoe Kit, Vinyl (4 pack)	25	1
AXV434WHP	Flap Kit, White (Includes front and rear flap assemblies)	50	1
AXV621DAT	A-Frame/Turbine Kit (Includes two A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws and pod screw washers)	10	1
AXV055P	Turbine Bearing Kit (2 pack)	50	1
AXV065P	Upper Body Screw Kit (6 pack)	25	1
AXV079VP	Medium Turbine/Spindle Gear Kit, Vinyl (medium turbine, drive gear, bushing, spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25	1
AXV621D	A-Frame Kit (Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and two pod screw washers)	25	1
AXV112P	Turbine Kit, Above Ground (Includes main turbine and two turbine bearings)	25	1
AXV417WHP	Pod Kit, White (Includes right and left pod assemblies)	25	1
AXV699P	A-Frame Bushing/Saddle Kit	25	1
AXV552WHP	Wing Kit, White (Includes left and right wings)	50	1
AXV552ORP	Wing Kit, Orange (Includes left and right wings)	50	1

# PoolVac & Navigator®

PARTS KITS AND ACCESSORIES FOR CONCRETE AND VINYL MODELS

## Parts Diagram

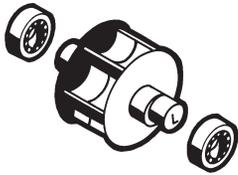
AXV092 Hose Connector



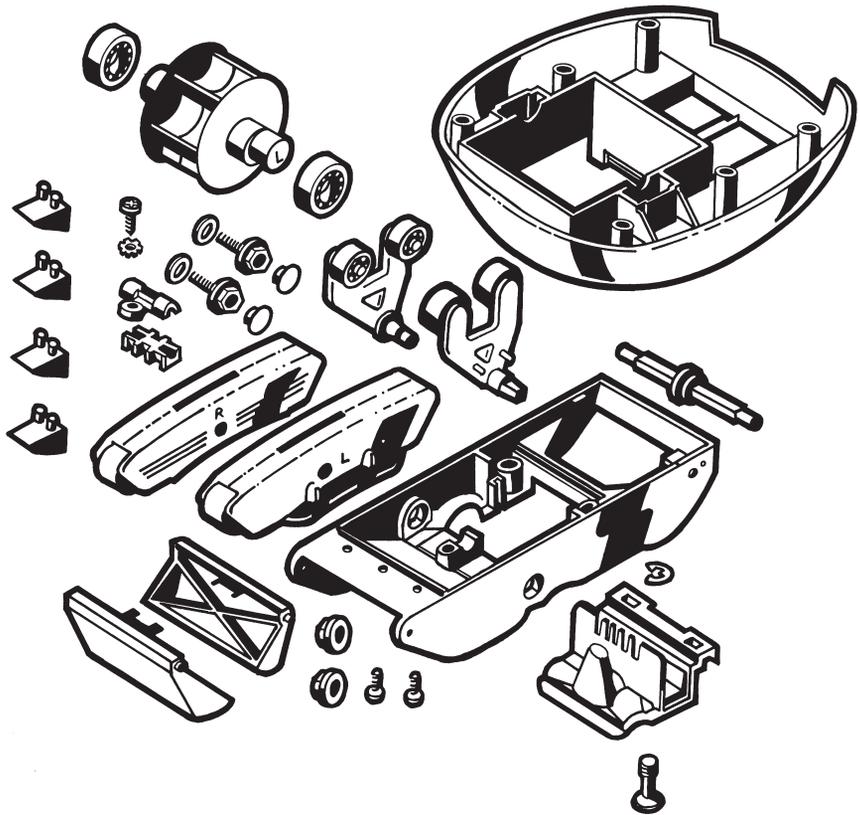
AXV098 Hose Adapter



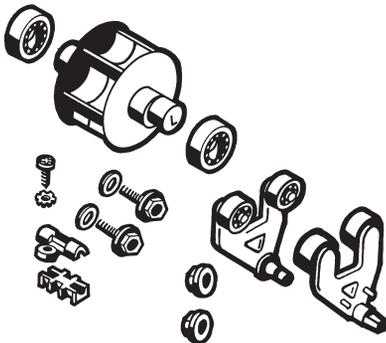
AXV602P Turbine Kit



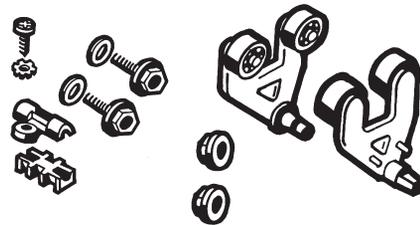
AXV622DPK Propulsion/Conversion Kit



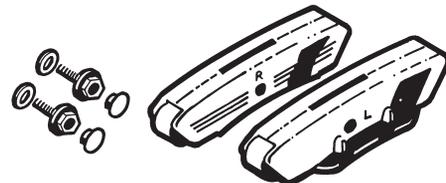
AXV621DAT Universal Model A-Frame/Turbine Kit



AXV621D Universal A-Frame Kit



AXV417WHP Pod Kit



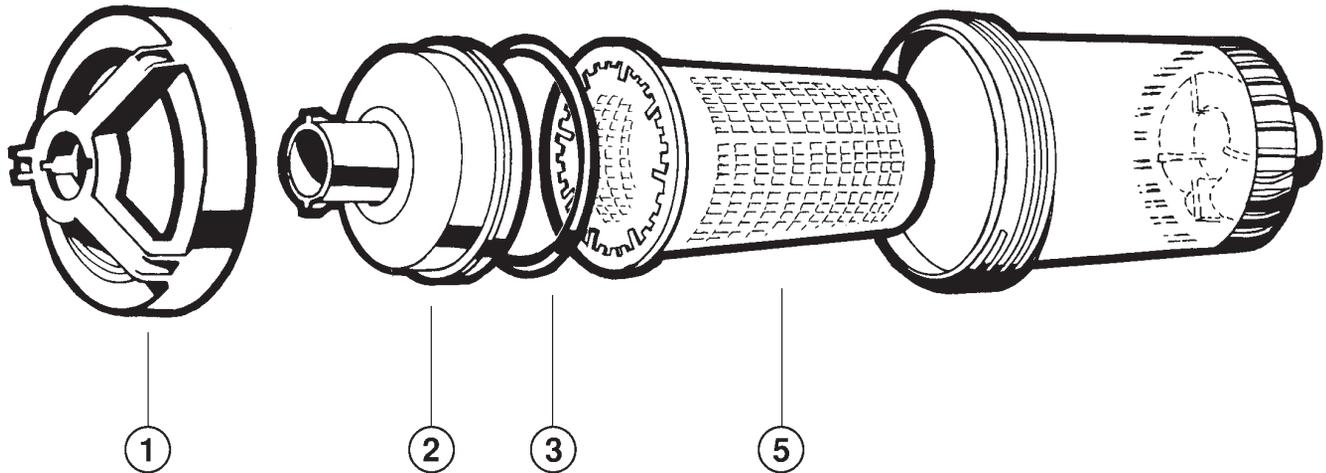
Parts Listing			
Part No.	Black	Description	Ctn. Qty.
AXV414604WHP	—	<b>Shoe and Wing Maintenance Kit</b> (Includes one set of concrete shoes and one set of wings)	50
AXV079VP	—	<b>Medium Turbine/Spindle Gear Kit</b> (Includes medium turbine, drive gear bushing, spindle gear, screw, medium turbine axle, intermediate gear, intermediate gear axle)	25
AXV621D	—	<b>Universal A-Frame Kit</b> (Includes two A-frames and bushings, saddle, keeper, two hex head pod screws and pod screw washers)	25
AXV602P	—	<b>Turbine Kit</b> (Includes main turbine and two turbine bearings)	25
AXV621417WHP		<b>A-Frame and Pod Tune Up Kit</b> (Includes two soft roller A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws, pod screw washers, right and left pods and pod plugs)	10
AXV621DAT	—	<b>Universal A-Frame/Turbine Kit</b> (Includes two soft roller A-frames and bushings, saddle, keeper, main turbine and bearings, hex head pod screws and pod screw washers)	10
AXV417WHP	AXV417BKP	<b>Pod Kit</b> (Includes right and left pods and pod plugs)	25
AXV699P	—	<b>A-Frame/Bushing/Saddle Kit</b> Includes two bushings, saddle, keeper, screw and washer)	25
AXV622DPK	AXV622DPKBK	<b>Concrete Universal Propulsion/Conversion Kit</b> (Includes access cover assembly, lower body and screws, A-frames and bushings, saddle, keeper, screw and washer, pods, hex head pod screws and washers, flaps and springs, flap adjuster, turbine and bearings, shoes and lower middle body)	1
AXV622604WHP	—	<b>Propulsion and Wing Rebuild Kit</b> (Includes access cover assembly, lower body and screws, A-frames and bushings, saddle, keeper, screw and washer, pods, hex head pod screws and washers, flaps and springs, flap adjuster, turbine and bearings, shoes and lower middle body)	1
AXV092	—	<b>Hose Connector</b>	25
AXV098	—	<b>Hose Adapter</b>	25

# Leaf Canisters

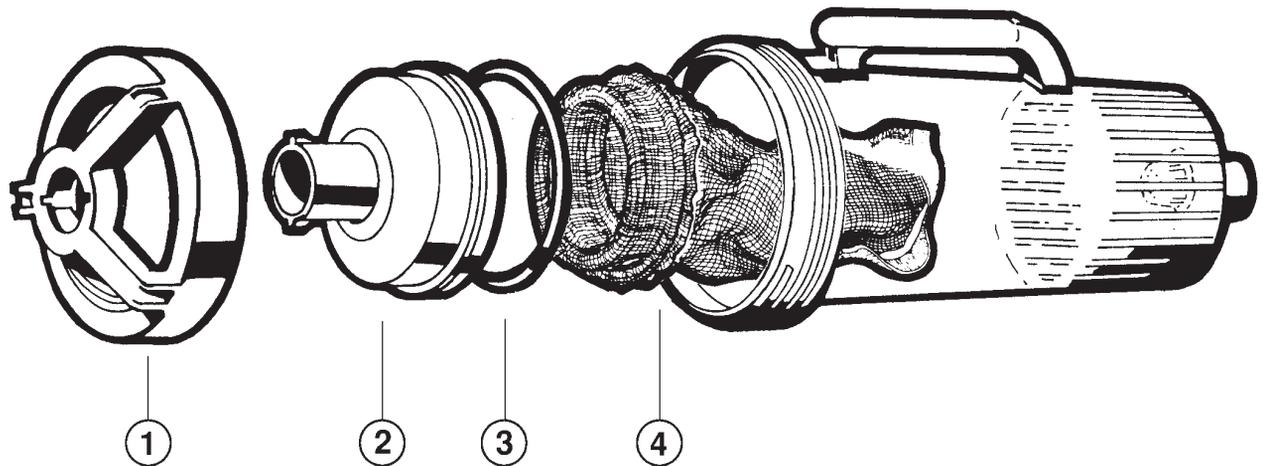
W530 AND 560 SERIES REPLACEMENT PARTS

## Parts Diagram and Parts Listing

W560 LEAF CANISTER Standard Capacity



W530 LEAF CANISTER Large Capacity

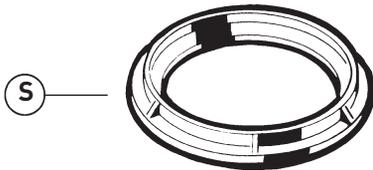
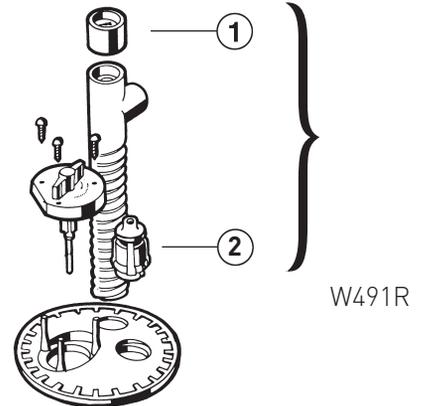
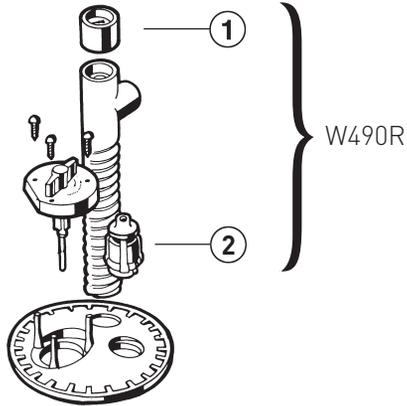


Ref. No.	Part No.	Description	Ctn. Qty.
1	AXW532BL	Lock Ring for W530 and W560	5
2	AXW533AGR	Lid with O-Ring Assembly	10
3	AXW542	Leaf Canister O-Ring for W530 and W560	25
4	AXW538	Permanent Bag for W530	5
5	AXW431ABK	Leaf Basket for W560	8
—	AXV098	Hose Adapter for W530 and W560	25

# Skimmer Vacuum Plates

W490R, W491R SERIES REPLACEMENT PARTS

## Parts Diagram and Parts Listing



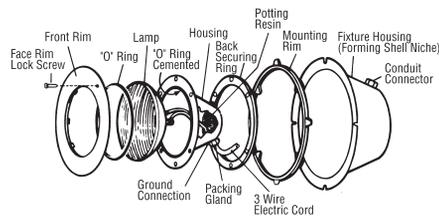
Ref. No.	Part No.	Description	Ctn. Qty.
1	AXV096GR	Vacuum Gauge	20
2	AXW428A	Pressure Relief Valve Assembly	25
3	AXW475	Adapter Ring with Gasket for W490R	10

**PARTS AVAILABLE IN LIMITED QUANTITIES.**

# Underwater Lights & Accessories

## REPLACEMENT PARTS

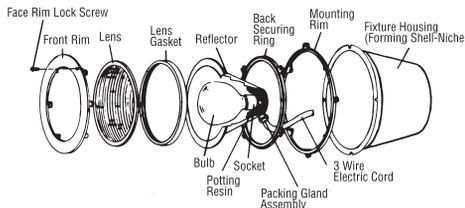
### Cat. Nos. SP0500, 0501, 0502 Sealed Beam Series



**SP0500, 0501, 0502**

Part No.	Description	Ctn. Qty.
SPX0502Z1	Bulb, 300W, 12V, PAR 56 WFL	12
SPX0501HJ	O-Rings, Large and Small (Set), Special Hi-Temp	1
SPX0503Z20A	Face Rim Lockscrew with Washer	1
SPX0502A	Front Rim, CPB	10
SPX0502Z66	Securing Rim Screw (Set of 6)	1

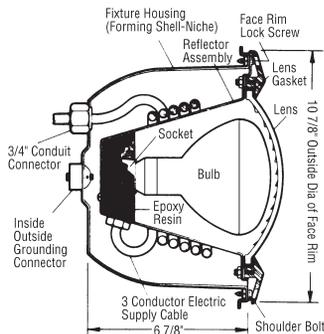
### Cat. Nos. SP0503 (400W, 120V), SP0504 (500W, 110V)



**SP0503, 0504**

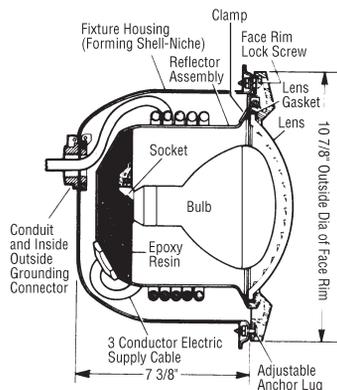
Part No.	Description	Ctn. Qty.
SPX0504Z7	Bulb, 500W, 120V, R-40 Medium Base	12
SPX0503Z2C	Lens Clear (Tempered), 8 3/8"	1
SPX0503W	Lens Gasket, Special Hi-Temp	50
SPX0503Z20A	Face Rim Lockscrew with Washer	1
SPX0503A	Front Rim, CPB	10
SPX0503Z76	Securing Rim Screw (Set of 6)	1

### Cat. Nos. SP0540, 0541, 0542, 0543 (StarLite Series)



**SP0540, 0541, 0542, 0543**

Part No.	Description	Ctn. Qty.
SPX0540A	Molded Face Rim with Studs	5
SPX0540Z1	Lens – Clear 7 9/16" Diameter (Tempered)	10
SPX0540Z2	Lens Gasket, Special Hi-Temp	20
SPX0540Z16A	Face Rim Lockscrew with Fastener	10
SPX0555Z2	Lower Mounting Screw	10
SPX0540Z4A	No. 10-24 Hex. Nut with Washer for Face Rim Studs	10
SPX0541Z1	300W, 12V, Bulb R-40	12
SPX0540Z7	500W, 120V, Bulb R-40	12



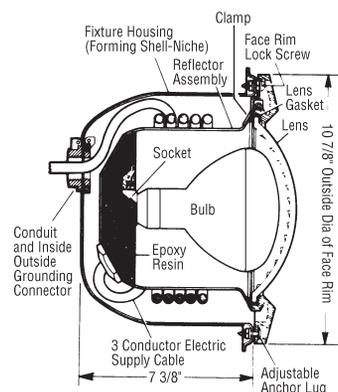
# Underwater Lights & Accessories

REPLACEMENT PARTS (continued)

## Cat. Nos. SP0560, 0570 (DuraLite Series)

Part No.	Description	Ctn. Qty.
SPX0580A1	Molded Face Plate (for 570 Series with N Suffix)	20
SPX0570A	Molded Face Rim with Integral Flange (Smooth)	5
SPX0560EA	Clamp Screw with Nut and Washer	1
SPX0540Z16A	Retainer Screw Set	10

**NOTE:** All other parts same as standard SP0580 Astrolite Series.



**SP0560, 0570 SERIES**

## Cat. Nos. SP0580, 0580S (AstroLite Series)

Part No.	Description	Ctn. Qty.
SPX0580A	Molded Face Rim	4
SPX0580AS	Stainless Steel Face Rim	20
SPX0580Z2	Lens Gasket	100
SPX0580B	Assembly Clamp with Screw, Nut and Washer (SP0580 Series)	20
SPX0580BS	Assembly Clamp with Screw, Nut and Washer (SP0580S Series)	20
SPX0580Z3	Face Rim Lockscrew with Fastener – SP580S	20
SPX0580Z1	Face Rim Lockscrew with Fastener – SP580	10

**NOTE:** All other parts same as Starlite Series.

## Cat. Nos. SP0590S, 0590HS (AstroLite II Series)

Part No.	Description	Ctn. Qty.
SPX0590A	Stainless Steel Face Rim	5
SPX0590E	Snap-on Plastic Face Rim	50
SPX0590G	Lens Gasket	10
SPX0590Z2A	Face Rim Lockscrew with Fastener	10
SPX0550Z4	12V, 100W Bulb – Incandescent	12
SPX0551Z4	120V, 100W Bulb – Incandescent	1
SPX0591H	120V, 100W Bulb – Halogen	12
SPX0590K	Blue and Red Replacement Lens Cover Kit	12
SPX0608C	Face Ring Assembly	10
SPX0608G	Gasket	10
SPX0608CP	Card Seal Kit	10

# Underwater Lights & Accessories

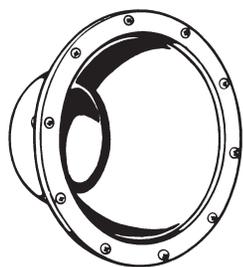
REPLACEMENT PARTS (continued)

## Cat. Nos. SP0520, 0530 (ColorLogic Series)

Part No.	Description	Ctn. Qty.
SPX0533AS	Stainless Steel Face Rim (Small)	10

## Cat. Nos. SP0600, 0607, 0608U PVC Niches

Part No.	Description	Ctn. Qty.
SPX0600G	Grounding Bracket Assembly	1
SPX0555Z2	Bottom Mounting Screw (SP0600 and SP0607)	10
SPX0507A1	Front Frame, White (SP0607)	5
SPX0507A1DGR	Front Frame, Dark Gray (SP0607)	5
SPX0506D	Gasket (607)	10
SPX0507D	Back Retaining Ring (SP0607)	25
SPX0607Z1A	Screw Set	25
SPX0608C	Face Ring Assembly, White	10
SPX0608CDGR	Face Ring Assembly, Dark Gray	10
SPX0608G	Gasket	10
SPX0608CP	Cord Seal Kit	10



SP0506

## Cat. Nos. LFGUY1000 & LGGUY1000 PVC Niches

Part No.	Description	Ctn. Qty.
SPX0608CP	Cord Seal Kit	10
SPX0800LPAK2	Latch for Shallow Niche	10
SPX0506A	Front Frame, CPB	5
SPX0506D	Gasket	10
SPX0506Z1A	Screw Set	1
SPX0800Z1	UCL Pool Light Retainer Screw Kit	10
SPX0601Z2PAK4	UCL Spa Light Plastic Retainer Screw Kit	10

## ProSeries Accessories Buying Guide

Model Number	Description
PRX500960	ProSeries White LED Bulb
PRXD240P	ProSeries Face Plate - White
SPX9474	Niche (Vinyl)
SPX9470	Niche (Concrete)
PRXD240DGR	Face Plate - Dark Gray
PRXD240GR	Face Plate - Gray

## Transformer Buying Guide

Model Number	Description	Wattage
LTBCY11300	Wall mounted transformer	300
LTSUY11300*	Wall mounted transformer, 4 relays, Smart Transformer	300

Note: \*This SKU is for use with Hayward Omni Automation only

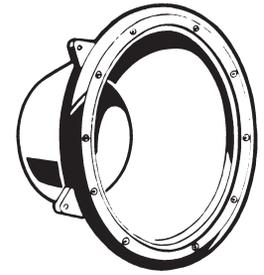


# Underwater Lights & Accessories

REPLACEMENT PARTS (continued)

## Cat. No. SP0507 Shell Assemblies

Part No.	Description	Ctn. Qty.
SPX0507A1	Front Frame, ABS, White	5
SPX0506D	Gasket	10
SPX0507D	Back Retaining Rim	25



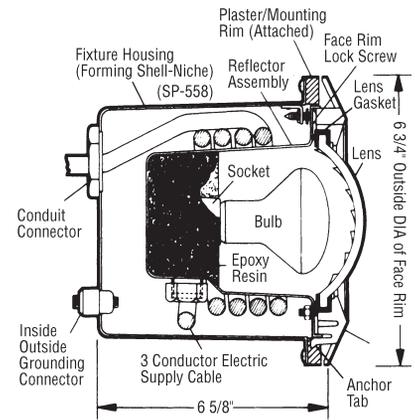
SP0507, 0607

## Cat. Nos. SP0550, 0551 (StarLite II Series)

Part No.	Description	Ctn. Qty.
SPX0550Z2	Lens Gasket, Hi-Temp	20
SPX0540Z4A	No. 10-24 Hex. Nut with Washer for Studs	10
SPX0550Z4	100 Watt, 12 Volt Bulb, R-20	12
SPX0551Z4	100 Watt, 120 Volt Bulb, R-20	1

## Cat. No. SP056525 – Elite Above-Ground Light

Part No.	Description	Ctn. Qty.
SPX0565Z1	Replacement 12 Volt/50 Watt Halogen Lamp with Reflector	20
SPX0565BA	Lens for Model SP056525	6
SPX0565G	Gasket	10
SPX0565N	Fastening Nut	10



SP0550

## Cat. No. LACUx11xxx – 320/160

Part No.	Description	Ctn. Qty.
GLX-HAL-CRING	Replacement Compression Ring for 320/160	1
GLX-HAL-XSNUB		

# Suction Outlets

## REPLACEMENT PARTS



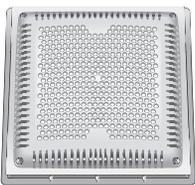
WG1051AVPAK2



WG1153AVPAK2



WG1030AVPAK2



WG1032HF2PAK2



### Suction Outlets

Part Number	Description	Ctn. Qty.
SPX1411Z5A	Grate Securing Screw (Set of 2) – SP1048C	25
WGX1153B*	Extension Collar with Inserts	10
SPX1058DPAK2	Gasket Kit (Set of 2) – SP1058, SP1059	25
WGX1048B*	Vinyl Ring, 7 7/8" O.D. (SP1048, SP1049, WG1048, WG1049)	40
SPX1048DPAK2	Gasket Kit (Set of 2) – SP1048, SP1049, WG1048, WG1049	50
SPX1039Z18	Vinyl Ring Screw (Set of 8) (SP1048, SP1049, WG1048, WG1049)	20
WGX1048E**,**	Cover, Suction Outlet – White (All Round Suction Outlets)	10
SPX1030Z1A	Cover Screw (Set of 2) (SP1048E only)	25
WGX1030Z1A	Cover Screw (Set of 2) (WGX1048E on drains without metal inserts only)	100
WGX1030Z1AM	Cover Screw (Set of 2) (WGX1048E on drains with metal inserts only)	100
SPX1030Z2A	Cover Screw (Set of 2) (SPX1048E on SP1048, SP1049 drains only)	25
WGX1030Z2A	Cover Screw (Set of 2) (WGX1048E on SP1048, SP1049 drains without metal inserts only)	100
WGX1030Z2AM	Cover Screw (Set of 2) (WGX1048E on SP1048, SP1049 drains with metal inserts only)	100
SPX1051Z1	1 1/2" Plastic Pipe Plug	50
SPX1053Z1	2" Plastic Pipe Plug	100

**NOTES:** \*Available in Gray, Dark Gray and Black – add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

\*\*Includes all necessary cover screw sets for use on sumps and frames with or without metal inserts.

### Gutter Drains

Part Number	Description	Ctn. Qty.
SP1019BA	Grate with Screw Set (SP1019)	100

# Chlorine & Bromine Feeders

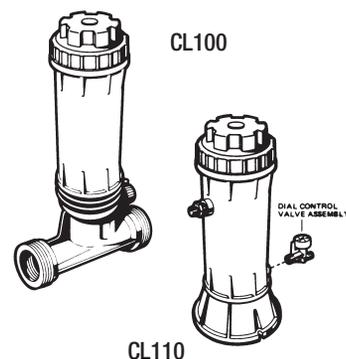
## REPLACEMENT PARTS

### CL100 and CL110 Series Chlorine Feeders

Part No.	Description	Ctn. Qty.
CLX110C*	Cover	8
CLX110K	O-Ring, Special Composition Viton	100
CLX110DA	Dial Control Valve Assembly	50
CLX110FA	Control Knob Assembly (CL100)	100

**NOTES:** Fittings, tubing, clamps, drain plug and check valve are same as CL200 and CL220 Series.

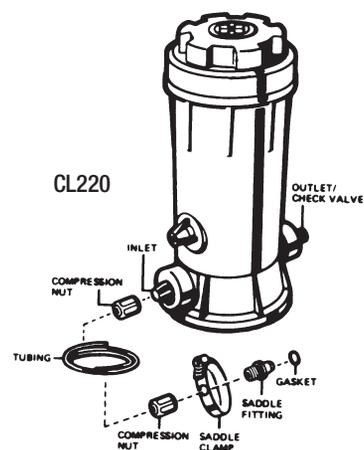
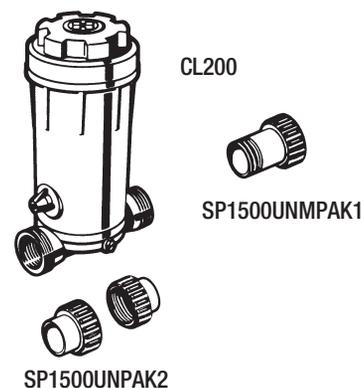
\*For bromine feeders, add a "2" to the end of the part number.



### CL200 and CL220 Series Chlorine Feeders

Part No.	Description	Ctn. Qty.
CLX200EGA	Cover Retaining Screw with Slip Washers and Center Cap	50
CLX200C*	Cover Cap	5
CLX200CA	Cover and Cap Assembly (Includes O-Ring)	5
CLX200B*	Cover	5
CLX200K	O-Ring, Special Composition Viton	100
CLX200DA	Feeder Tube and Boot	40
CLX200PA	Control Knob Assembly with O-Rings (Viton) – large (1989)	100
SPX1700FGV	Drain Plug with Gasket	100
CLX220B	Base (CL220)	10
CLX200BS	Base (CL200)	10
CLX220EA	Check Valve and Inlet Fitting Adapter Assembly	100
CLX220G	Saddle Fitting	100
CLX220GA	Saddle Fitting, Nut, Gasket, Saddle Clamp and 4 ft. Tubing	20
CLX220K	Saddle Clamp	50
CLX220J	8 ft. Length Chlorinator Tubing	25
CLX220HPAK4	Compression Nut (Set of 4)	25
CLX220P	1/4" Adapter Fitting	50
SPX1091Z7TC	Combo Adapter with 1/4" Tap	50
SPX1105Z4TC	Elbow Adapter with 1/4" Tap	10
SPX1480BTC	Union End with 1/4" Tap	50
SP1500UNPAK2	Female Union End Connector Pak (Includes 2 each Socket Connector, Union Nut, O-Ring)	50
SP1500UNMPAK1	Male Union End Connector Pak (includes 1 each 1 1/2" MPT Nipple Connector, Union Nut, O-Ring)	50

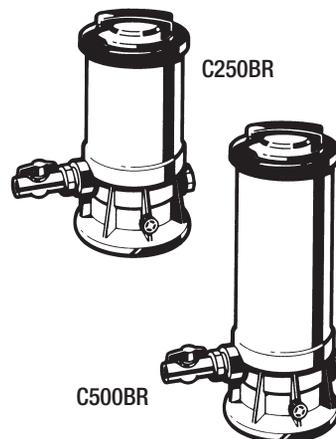
**NOTE:** \*For bromine feeders, add a "2" to the end of the part number.



### C250CF, 500CF, 1100CF, 1800CF Chemical Feeders (see note)

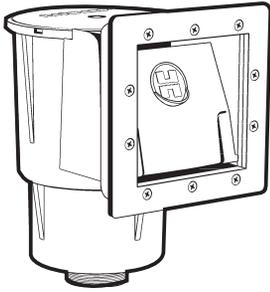
Part No.	Description	Ctn. Qty.
SPX3100D	Cover	10
SP3100T	Cover Removal Tool	25
SPX3000SV	Cover O-Ring, Special Composition Viton	50
CX500J	Strainer	1
CX250Z14A	1/2" Drain Plug	50
SPX0605Z2V	Drain Plug O-Ring, Special Composition Viton	10
CX500BV	3/4" Control Valve with Dial Indicator (C250BR, 500BR)	15
CX500CV	3/4" Check Valve (C250BR, 500BR)	25
CX1100CV	1 1/2" Check Valve	5

**NOTE:** Formerly "BR" (Bromine) and "BRC" (Chlorine) feeders.



# Automatic Skimmers

## REPLACEMENT PARTS



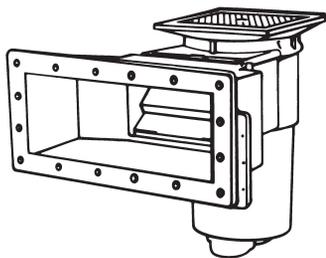
SP1091LX

### Cat. Nos. SP1090, SP1090WM, 1092

Part No.	Description	Ctn. Qty.
SPX1096CA	Basket, 5 1/8" O.D. x 3"	10
SPX1096B	Cover	10
SPX1096A2	Basket Support Ring	50
SPX1096K	Weir	10
SPX1090D	Face Plate	50
SPX1094GPAK2	Gasket (Set of 2)	25
SPX1090GA	Throttle Plate with Screw	1
SPX1090Z1A	Face Plate Screw Set	1
SPX1030Z1C	Face Plate Screw Set – 1 1/4" long	10
SPX1092C	Access Plug	1

### Wide Mouth Skimmer Parts – No. SP1090WM:

SPX1090WMCV	Cover	10
SPX1090WMSB	Skimmer Basket	10
SPX1090WMW	Weir	10
SPX1090WMVA	Vacuum Adapter	10
SPX1090WMFP	Face Plate	10
SPX1090WMSG	Sealing Gasket (Set of 2)	50



SP10851

### Cat. Nos. SP1091LX, SP1091WM

Part No.	Description	Ctn. Qty.
SPX1091B	Skimmer Cover	10
SPX1091C	Basket with Handle	12
SPX1091K1	Weir	10
SPX1091D	Face Plate Standard	10
SPX1091E	Widemouth Extension	1
SPX1091F	Face Plate Widemouth	10
SPX1091G	Gasket STD, Butterfly	50
SPX1091GW	Gasket Widemouth, Butterfly	50
SPX1090Z6A	Standard Screw Set	50
SPX1090Z7A	Widemouth Screw Set	50

### Cat. Nos. SP1094, 1094SPA, 1094H, 10950M

Part No.	Description	Ctn. Qty.
SPX1094FA	Basket – 4 3/4" O.D. x 3"	10
SPX1094C	Cover	24
SPX1094K	Weir	10
SPX1094B	Face Plate	10
SPX1094GPAK2	Gasket Kit (Set of 2)	25
SPX1030Z1C	Face Plate Screw Set – 1 1/4" (SP1094SPA)	10
SPX1094R	Face Plate Cover – Snap-On	30
SPX1090Z1A	Face Plate Screw Set	1

# Automatic Skimmers

REPLACEMENT PARTS (continued)

## Cat. No. SP1089

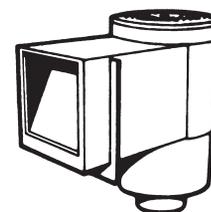
Part No.	Description	Ctn. Qty.
SPX1088B	Cover	20
SPX1088GA	Basket Assembly	10
SPX1089K	Weir	10
SPX1084L	Face Plate	20
SPX0097E	Gasket	10
SPX1084Z4A	Face Plate Screw Set	20

## Cat. Nos. SP1096, 1097, 1098

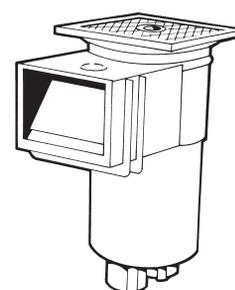
SPX1096B	Cover	10
SPX1096AX	Adjusting Collar	10
SPX1096CA	Basket, 5 1/8" O.D. x 3"	10
SPX1096A2	Basket Support Ring	50
SPX1096K	Weir	10
SPX1097D	Face Plate (SP1097, 1098)	5
SPX0097E	Gasket	10
SPX1090Z1A	Face Plate Screw Set	1

## Cat. Nos. SP1082, 1083, 1084, 1085, 1086

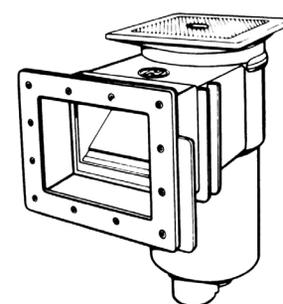
SPX1082E*	Cover, Square	10
SPX1082Z1	Cover Screw (Square Cover)	25
SPX1082F	Adjusting Collar, Square – 4.5" Extension	5
SPX1082EFDGR	Square Collar and Cover Assembly – Dark Gray	4
SPX1084R**	Cover, Round	10
SPX1084RADGR	Round Collar and Cover Assembly – Dark Gray	5
SPX1084Z9	Cover Screw (Round Cover)	10
SPX1084P**	Round Extension Collar	10
SPX1082CA	Basket with Handle	18
SPX1082N2	Handle for SPX1082CA Basket	50
SPX1082D	Basket Support Ring	40
SPX1082K**	Weir	10
SPX1082H1A	Slide Plate with Screw	10
SPX1082Z3	Vacuum Hose Adapter	20
SPX1053Z1	2" Pipe Plug	100
SPX1084L**	Face Plate (SP1084)	20
SPX1085B**	Face Plate (SP1085)	10
SPX1084BPAK2	Gasket Kit (SP1084) (Set of 2)	25
SPX1085DPAK2	Gasket Kit (SP1085) (Set of 2)	50
SPX1084C	Spacer (SP1084)	1
SPX1084Z1A	Face Plate Screw Set (Fine Threads) SP1084	20
SPX1084Z4A	Face Plate Screw Set (Coarse Threads) SP1084	20
SPX1084Z4AM	Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1084	25
SPX1085Z1A	Face Plate Screw Set (Coarse Threads) SP1085	25
SPX1085Z1AM	Face Plate Screw Set 1 1/4" Long (Coarse Threads) SP1085	50
SPX1084B3PAK2	Gasket Kit (SP10840M) (Set of 2)	25
SPX1084B3PAK2	Gasket Kit (SP10850M) (Set of 2)	25
SPX1080EA	Basket with Sleeve	5
SPX1080AA	Flo-Selector Control with Valve	5
SPX1080D	Skimmer Throttling Plate	5
WGX1082E	NSF listed replacement cover (Auto-Skim, Square)	12



SP1096



SP1082



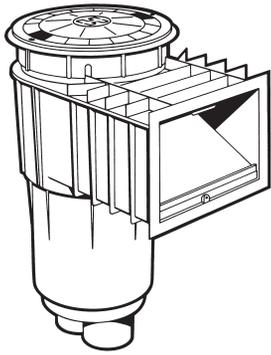
SP1084

**NOTES:** \*Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

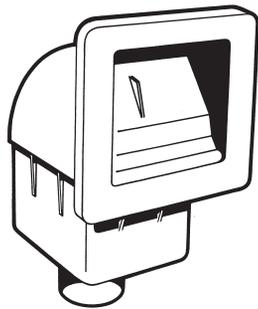
\*\*Also available in Dark Gray. Add suffix DGR for Dark Gray.

# Automatic Skimmers

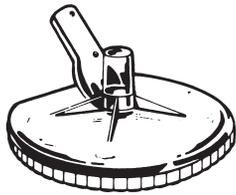
REPLACEMENT PARTS (continued)



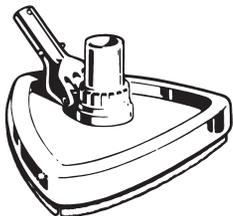
SP1071



SP1099S



SP1067



SP1068

## Cat. Nos. SP1075, 1075T, 1076, 1077

Part No.	Description	Ctn. Qty.
SPX1075C1	Cover, White	10
SPX1084Z9	Cover Screw	10
SPX1075B	Adjusting Collar	5
SPX1082K	Weir	10
SPX1082CA	Basket – 6 1/2" O.D. x 5"	18
SPX1075F	Flo-Control Slide Plate with Screw	50
SPX1075L	Multi-Flo Valve Control (SP1075T)	25
SPX1084L	Face Plate (SP1076)	20
SPX1085B	Face Plate (SP1077)	10
SPX1084BPAK2	Gasket Kit (Set of 2) – SP1076	25
SPX1085DPAK2	Gasket Kit (Set of 2) – SP1077	50
SPX1084Z4A	Face Plate Screw Set (Self-Tapping) (SP1076)	20
SPX1084Z4AM	Face Plate Screw Set – 1 1/4" long (Self-Tapping)	25
SPX1085Z1A	Face Plate Screw Set (Self-Tapping) (SP1077)	25
SPX1085Z1AM	Face Plate Screw Set – 1 1/4" long (Self-Tapping)	50

## Cat. No. SP1070, SP1071 Series Skim-Master

SPX1070Z3PAK2	Cover Retaining Screw (Set of 2)	25
SPX1070C*	Cover	10
SPX1070C10	Cover, Tan	10
SPX1070B	Adjusting Collar, White	5
SPX1070B10	Adjusting Collar, Tan	5
SPX1070BA*	Adjusting Collar and Cover Assembly	5
SPX1070E2	Basket Handle	100
SPX1070KHR	Weir Assembly with Bumper Pad (for 1070 Series)	10
SPX1071K*	Weir Assembly with Bumper Pad (for 1071 and 1072 Series)	10
SPX1070E	Basket – 8 1/4" O.D. x 5 1/4"	12
SPX1082H1B	Flo-Control Slide Plate with Screw	100
SP1070FV	Float Valve Assembly (for 1070 and 1071 Series)	24
SPX1070FA	Flo-Control Trimmer Plate with Screw	100
SP1072FV	Float Valve Assembly (for 1072 Series)	1
WGX1070C	NSF listed replacement cover (Round)	10

## Cat. No. SP1099S Spa Skimmer

SPX1099B	Basket	10
SPX1099K	Weir	10
SPX1099C	Cover Plate, ABS	50
SPX1099E	Gasket	50

NOTES: \*Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

## VACUUM CLEANER HEADS

### Cat. No. SP1067 / SP1067R (Rubber) Power-Vacs

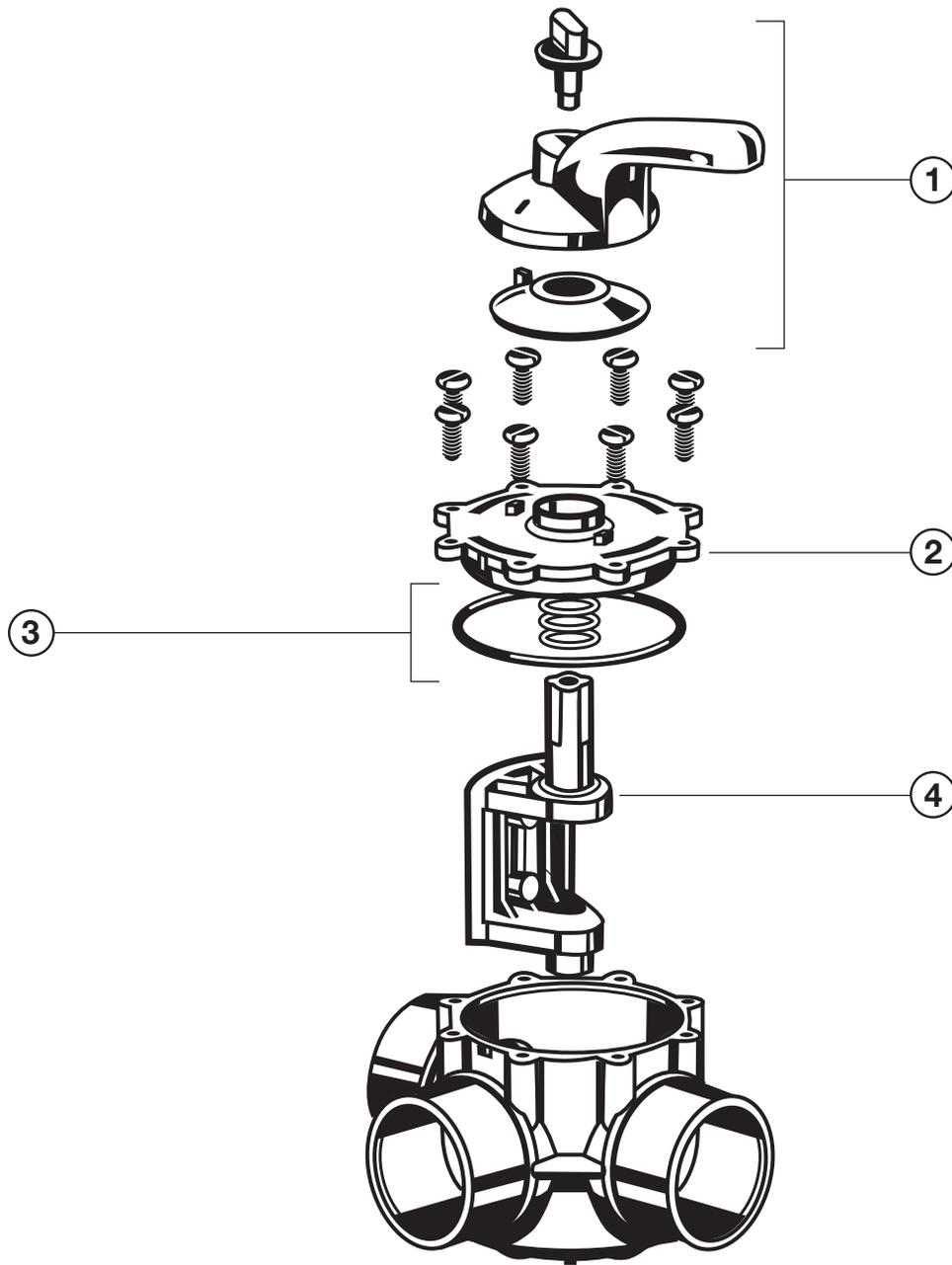
Part Number	Description	Ctn. Qty.
SPX1067C	Brush Set	10
SPX1067QA	Quik-Snap Handle Connector with Spring	25
SPX0068Z1A	Bracket Bolt with Nut	500

### Cat. No. SP1068 / SP1068DL / 1069 /1069DL Super-Vacs

SPX1068G3	Brush (Set of 3) – for SP1068	40
SPX1068C	Knurled Locknut	10
SPX1068DE	Swivel Hose Connector Set, 1 1/4" and 1 1/2"	50
SP1068FA	Weight Pak (Set of 3)	25
SPX0068Z1A	Bracket Bolt with Nut	500
SPX1067QA	Quik-Snap Handle Connector with Spring	25
SPX1067S	Snap-Spring only	25

# PSV Series Diverter & Check Valves

REPLACEMENT PARTS



## Parts Diagram and Parts Listing

Ref. No.	Part No.	Description	Ctn. Qty.	No. Req'd
1	16.31	Handle/Index Kit	10	1
2	PSXVB*	Cover	10	1
3	PSXVZ2A*,**	Key and Cover O-Ring Kit	200	1
4	PSXVDE*	Valve Key Assembly	10	1
—	PSXVBCA*	Upper Valve Kit (Includes #'s 1-5)	10	1
—	PSXCVBAH**	Check Valve Cover and Flapper Replacement Kit	15	1

**NOTE:** \*Parts used on Diverter Valves.

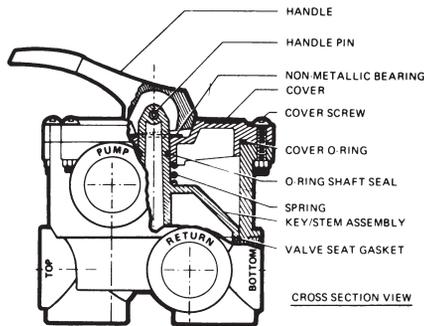
\*\*Parts used on Check Valves.

# Multiport Valves

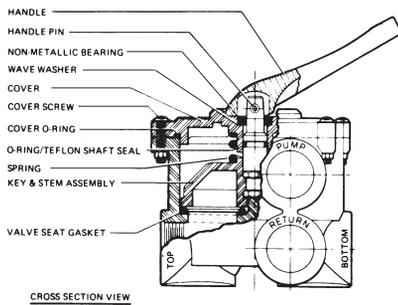
## REPLACEMENT PARTS

### Cat. Nos. SP0710, 0710X, 0711, 0712, 1 1/2" Vari-Flo Valves (1976- )

#### SP0710X SERIES (1977)



#### SP0710 SERIES (1969-1975)



Part No.	Description	Ctn. Qty.
SPX0710XF	Handle	10
SPX0710XZ7	Handle Pin	50
SPX0710Z16	Non-Metallic Bearing (Pack of 5)	50
SPX0710XZ5	Cover O-Ring	10
SPX0735GA	O-Ring/Teflon Shaft Seal	100
SPX0710G	Valve Position Label	50
SPX0710Z1A	Cover Screw with Nut (Set of 6 each)	10
SPX0603S	Spring	50
SPX0710Z62	Spring Washers (Set of 2)	10
SPX0710K	1/4" Plastic Pipe Plug	10
SPX0710XD	Valve Seat Gasket, 5 Spoke – for "X" Valve Body	50
SPX0710XC	Key/Stem Assembly	50
SPX0710XBA17	Key, Cover and Handle Assembly, Black	5
SPX0710MA	Threaded Sight Glass with Gasket	50
SX200Z9	Gasket for Threaded Sight Glass	25
SPX0710Z9	3M Adhesive, 5 oz. tube for Valve Seat Gasket	10
<b>NOTE:</b> Parts below are for SP0710 and 0711 Series (1969-1975). These parts are NOT interchangeable with current production models.		
SPX0710Z7	Handle Pin	1
SPX0710Z3	Cover O-Ring	50
SPX0603Z2A	O-Ring/Teflon Shaft Seal	1
SPX0710D	Valve Seat Gasket, 6 Spoke	10
SPX0710XBA	Key, Cover and Handle Assembly – Replaces SPX0710B (cover) and SPX0710C	5

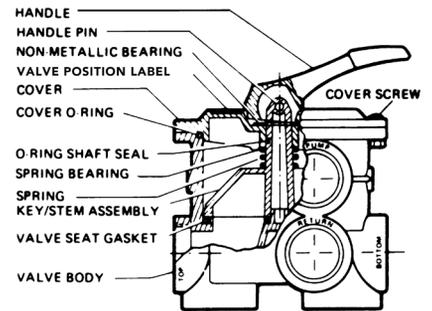
# Multiport Valves

REPLACEMENT PARTS (continued)

## Cat. Nos. SP0715, 0716, 2" Vari-Flo Valves

Part No.	Description	Ctn. Qty.
SPX0710XF	Handle, Large	25
SPX0710XZ7	Handle Pin	50
SPX0710Z16	Non-Metallic Bearing (Pack of 5)	50
SPX0715G	Valve Position Label	10
SPX0710Z1A	Cover Screw with Nut (Set of 6 each)	10
SPX0715Z1	Cover O-Ring	10
SPX0603S	Spring	50
SPX0710Z62	Spring Washers (Set of 2)	10
SPX0735GA	O-Ring/Teflon Shaft Seal	100
SPX0710K	1/4" Plastic Pipe Plug	10
SPX0715D	Valve Seat Gasket	50
SPX0715C	Key/Stem Assembly – Noryl	10
SPX0715BA	Key, Cover and Handle Assembly, White	4
SPX0715BA3	Key, Cover and Handle Assembly, Black	4
SPX0715ALLAA	Valve Body with Gasket and Sight Glass – Style "ALL"	8
SPX0715XR50AA	Valve Body with Gasket and Sight Glass – with Filter Tank Pipes and Locknuts. "Reverse" style – for DE only	1
SPX0710MA	Threaded Sight Glass with Gasket	50
SX200Z9	Gasket for Threaded Sight Glass	25

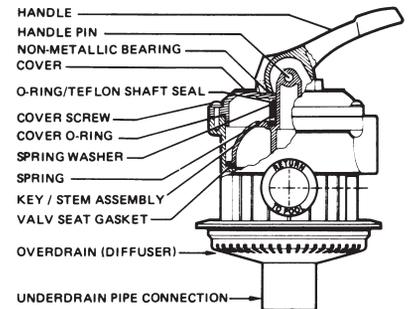
### SP0715 SERIES



## Cat. No. SP0704, 1 1/2" Vari-Flo Valve – 4 Position

Part No.	Description	Ctn. Qty.
SPX0710XF	Handle	10
SPX0710XZ7	Handle Pin	50
SPX0710Z16	Non-Metallic Bearing (Pack of 5)	50
SPX0704B2	Cover, Black	15
SPX0704F	Cover O-Ring	100
SPX0704HA	O-Ring/Teflon Shaft Seal	10
SPX0603S	Spring	50
SPX0710Z62	Spring Washers (Set of 2)	10
SPX0704D	Valve Key Gasket	50
SPX0704CA	Key and Gasket Assembly	1

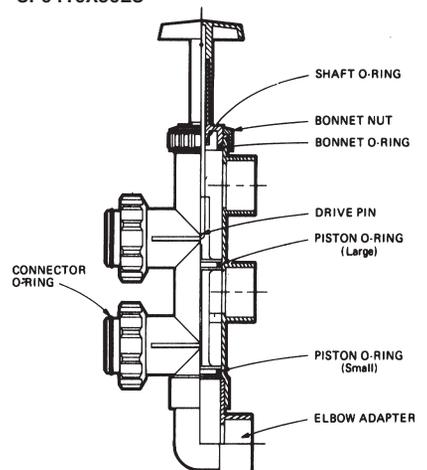
### SP0704 SERIES



## Cat. Nos. SP0410X Series Slide Valve

Part No.	Description	Ctn. Qty.
SPX0410BA	Handle and Piston Assembly	15
SPX0410BK	Piston only with Pin	10
SPX0722D2	Bonnet Nut, Black	50
SPX0722GH	Bonnet O-Ring Kit	10
ECX9611246PAK3	Shaft O-Ring (Set of 3)	25
SPX0410Z2	Piston O-Ring, Large	100
SPX0410K	Drive Pin	50
SPX0410Z1	Piston O-Ring, Small	100
SX200Z4PAK2	Valve/Union O-Ring (Set of 2)	25

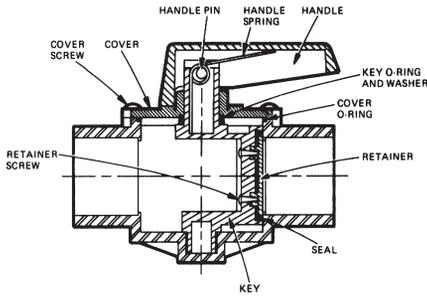
### SP0410X602S



# Multiport Valves

REPLACEMENT PARTS (continued)

## SP0733S



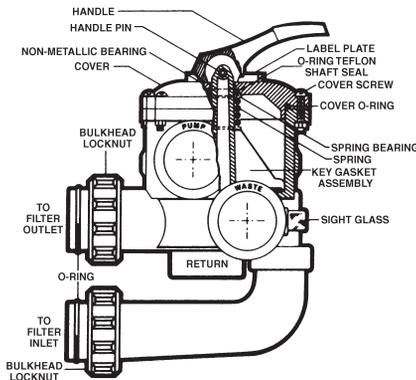
### Cat. No. SP0727 Perflex Diverter Valve (Not Illustrated)

Part No.	Description	Ctn. Qty.
SPX0727D	Handle	1
SPX0727K	O-Ring, Cover	1
SPX0733Z3A	Cover Screw (Pkg. of 8)	50
SPX0727H	Seal	0
SPX1483C	O-Ring (Union)	10
SPX0727E	Union Nut	10

### Cat. No. SP0740DE 2" Selecta-Flo™ Valve

Part No.	Description	Ctn. Qty.
SPX0710XF	Handle, Large	25
SPX0710XZ7	Handle Pin	50
SPX0710Z16	Non-Metallic Bearing (Pack of 5)	50
SPX0740B	Cover	10
SPX0710Z1A	Cover Screw with Nut (Set of 6 each)	10
SPX0715Z1	Cover O-Ring	10
SPX0603S	Spring	50
SPX0704HA	O-Ring/Teflon Shaft Seal	10
SPX0710Z62	Spring Washers (Set of 2)	10
SPX0740D	Valve Seat Gasket	50
SPX0740C	Key/Stem Assembly	10
SPX0740BA	Key, Cover, Handle Assembly	1
SX200Z4PAK2	Valve/Union O-Ring (Set of 2)	25

## SP0740DE

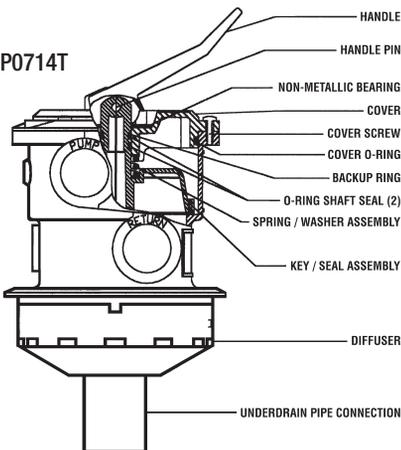


### Cat. No. SP0714T Vari-Flo™ XL Valve

Part No.	Description	Ctn. Qty.
SPX0710XF	Handle	10
SPX0710XZ7	Handle Pin	50
SPX0710Z16	Non-Metallic Bearing (Pack of 5)	50
SPX0714G	Valve Position Label	50
SPX0714BA	Key, Cover and Handle Assembly	5
SPX0714Z1	Cover Screw (Set of 6)	10
SPX0714L	Cover O-Ring	50
SPX0735GA*	O-Ring Shaft Seal Assembly	100
SPX0710Z62	Spring Washers (Set of 2)	10
SPX0714CA	Key/Seal Assembly	10
SPX0714D	Diffuser	5

NOTE: \*Two required for each valve.

## SP0714T

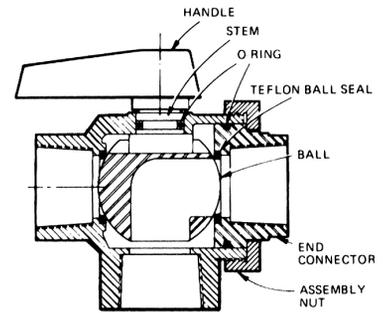


# Ball Valves

## REPLACEMENT PARTS

### Cat. Nos. SP0720, 0730, 0735 Ball Valves

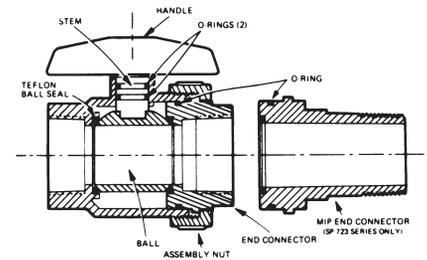
Part No.	Description	Ctn. Qty.
SPX0735D	Handle	10
SPX0735F	Stem	1
SPX0735GH	O-Ring, Stem and End Connector	100
SPX0735E	Assembly Nut	50
SPX0720P2	Teflon Ball Seal (Set of 2) (SP0720, 0730)	10
SPX0735P2	Teflon Ball Seal (Set of 2) (SP0735)	1
SPX0735B	End Connector – Threaded (SP0735)	40
SPX0735C	Ball (SP0735)	5



SP0735

### Cat. Nos. SP0722, 0723 and UN, 1 1/2" Trimline Ball Valves

Part No.	Description	Ctn. Qty.
SPX0722F	Handle	50
SPX0722B7	Stem	10
SPX0720P2	Teflon Ball Seal (Set of 2) – 1976 and Prior	10
SPX0722P2	Teflon Ball Seal (Set of 2)	100
SPX0722GH	Bonnet O-Ring Kit	10
SPX0722D	Assembly Nut	50
SPX0722C7	Ball	10
SPX0722ES7	End Connector – SKT	40
SPX0723ET7	End Connector – MIP	40
SPX1495Z1	End Connector O-Ring (UN Series only)	50



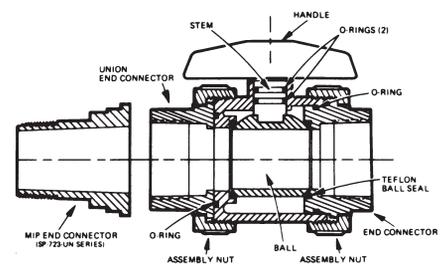
SP0722, 0723

### Cat. Nos. SP0729 1 1/2" 2-Way Ball Valves

Part No.	Description	Ctn. Qty.
SPX0728D	Handle	10
SPX0728H	O-Ring, End Connector	10

### Cat. Nos. SP0724, 0725, 0726, 2" Trimline Ball Valves

Part No.	Description	Ctn. Qty.
SPX0724J	Handle	1
SPX0724GA	Teflon Ball Seal (Set of 2) with O-Ring Stem and End Connector	1



SP0722UN, 0723UN

# Unions

## REPLACEMENT PARTS



SP1480  
SERIES

### Cat. Nos. SP1480, 1482, 1484, 1485 Self-Align Unions

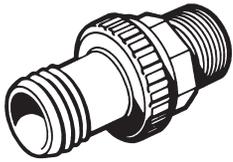
Part No.	Description	Ctn. Qty.
SPX1480C	Union Nut	10
SPX1425Z6	O-Ring	25
SPX1485C	Gasket	25

### Cat. Nos. SP1491, 1492, 1493 Econo-Unions

Part No.	Description	Ctn. Qty.
SPX1491B	O-Ring	10
SPX1068C	Union Nut	10

### Cat. Nos. SP1495 (1 1/2") and SP1498 (2") Flush Unions

Part No.	Description	Ctn. Qty.
SPX1495Z1	O-Ring	50
SPX1495C	Union Nut	50
SX200Z3	O-Ring (2")	50
SPX1498C	Union Nut (2")	50



SP1493

## JUNCTION BOXES

### Cat. No. LJBUI10UU1

Part No.	Description	Ctn. Qty.
SPX1500NPAK4	Screw and Nut Kit (Set of 4)	10

### Cat. Nos. SP0680, 0681 (Lexan®)

Part No.	Description	Ctn. Qty.
SPX0680LA	Packing Gland Nut, Bushing and Washer, 10-3	30
SPX0680J	3/4" Noryl® Pipe Plug	—

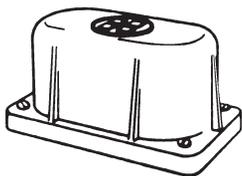


SP1495

## IN-LINE SIGHT GLASSES

### Cat. Nos. SP1072, 1074 (Cycloc)

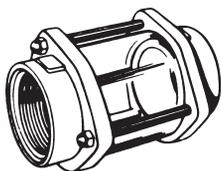
Part No.	Description	Ctn. Qty.
SPX0072D	Cylinder, 2 1/2" O.D. x 2 3/8"	25
SPX107242	Gasket (Set of 2)	1
SPX10723A	Bolt with Nut	1



SP0680

### Miscellaneous

SPX0404A	Threaded Eyebolt – for SP0404	10
SPX0392BA	Brass Wedge, Bolt with Washer – for SP392, 393	50
SPX1392CA	Wedge, Bolt with Washer – for SP1392	50
ECX1308	"Schmear" Compound for Field Repairs, White	1
ECX1308IVY	"Schmear" Compound for Field Repairs, Ivory	1



SP1072

## Cat. Nos. SP1023, 1023G, 1024, 1025

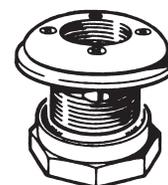
Part No.	Description	Ctn. Qty.
SPX1023B	Locknut for 1 1/2" SP1023 Fitting	50
SPX1023Z3	Fiber Slip Washer for 1 1/2" SP1023 Fitting	20
SPX0023Z12	Gaskets for 1 1/2" SP1023 Fitting (Set of 2)	20
SPX0023Z2	Butterfly Gasket for SP1023G Fitting	25
SPX1025Z12	Gasket (Set of 2) – (SP1025)	10
SPX1025Z3	Fiber Slip Washer – (SP1025)	50
SPX1408ADT*	2" to 1 1/2" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2)	10



SP1023

## Cat. Nos. SP1411, 14071, 1408

Part No.	Description	Ctn. Qty.
SPX1411B	Face Plate (SP1411, 14071)	25
SPX1408B*	Faceplate for 1 1/2" SP1408 Fitting	100
SPX1411Z12PAK2	Gasket Kit (SP1411, SP14071) (Set of 2)	50
SPX1408C	Gasket for 1 1/2" SP1408 Fitting	25
SPX1411Z1A	Faceplate Screw Set for SP1411 (Set of 4)	25
SPX1407D	Locknut Spacer (SP14071, 1408, 1025)	10
SPX1039Z1A	Faceplate Screw Set for SP1408 (Set of 4)	50
SPX1407DS2	Locknut Spacer for 2" SP1408S2 Fitting	10
SPX1408CS2	Gasket for 2" SP1408S2 Fitting	25
SPX1408BS2*	Faceplate for 2" SP1408S2 Fitting	10
SPX1408ADT*	2" to 1 1/2" Adapter and O-Ring (SP1408S2, SP1023S2, SP1022S2)	10

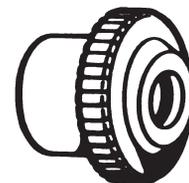


SP1408

**NOTE:** \*Available in Gray, Dark Gray and Black. Add suffix GR for Gray, DGR for Dark Gray and BLK for Black.

## Cat. Nos. SP1419, SP1420, SP1421 Series

Part No.	Description	Ctn. Qty.
SPX1419B1	Ball Seat	10
SPX1419C1, 2, 3, 4, 5	Ball, Slotted or 3/8", 1/2", 3/4", 1" Hole	10
SPX1419D1	Lock Ring	50
SPX1420A1	Rubber Flow Director	50



SP1421

## Cat. No. SP1039

Part No.	Description	Ctn. Qty.
SPX1039BA	Face Plate with Gasket (2) and Screws (4)	25

## Cat. Nos. SP1423, 1424, 1425

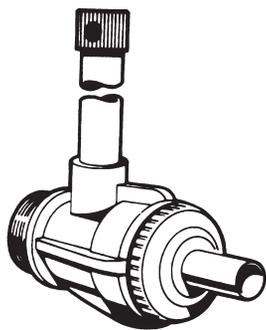
Part No.	Description	Ctn. Qty.
SPX1425C	Face Plate Grate (SP1423, 1424)	50
SPX1425DA	Spinner Valve Assembly (SP1424, 1425)	25
SPX1425B	Top Diffuser Plate (SP1425)	50
SPX1425Z32	Face Plate Screw (Set of 2) (SP1423, 1424, 1425)	25
SPX1425Z6	O-Ring (SP1425)	25



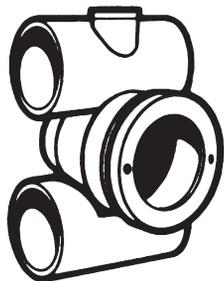
SP1425

# Hydrotherapy Fittings

## REPLACEMENT PARTS



SP14311, 2



SP1434



SP1450T

### Cat. Nos. SP1430, 1431, 1432 Jet-Air® Fittings

Part No.	Description	Ctn. Qty.
SPX1430B	Small Nozzle (for SP1430)	25
SPX14311S	1/2" x 18" Air Supply Tube (Complete)	25
SPX14312S	1/2" x 24" Air Supply Tube (Complete)	50
SPX1430Z1A	Air Tube Adjustment Cap with Air Tube Bushing	10
SPX1430B1	SPA Insert Bushing	10

### Cat. Nos. SP1434, 1436, 1437 Series Jet-Air III Fittings

Part No.	Description	Ctn. Qty.
SPX1434EA	Bulkhead Fitting with Gasket	25
SPX1434DF	Lock Ring – for Ball Assembly with Nozzle Retaining Clip	100
SPX1434JA	Seal Rings and O-Ring Kit	100
SPX0720PE2	Seal Ring (Set of 2)	150

### Cat. No. SP1450T Turbo Boost Spa Jet

Part No.	Description	Ctn. Qty.
SPX1450BG	Bulkhead Fitting with Gasket	25

### Cat. Nos. SP1440, 1444 Suction Fittings

Part No.	Description	Ctn. Qty.
SPX0023Z12	Gasket (Set of 2)	20

## Did You Know You Can Order Literature Online?

### Hayward Canada Literature Order Center

It's a new feature on the Hayward website which allows our customers to directly order literature and have it sent to a location of your choice.

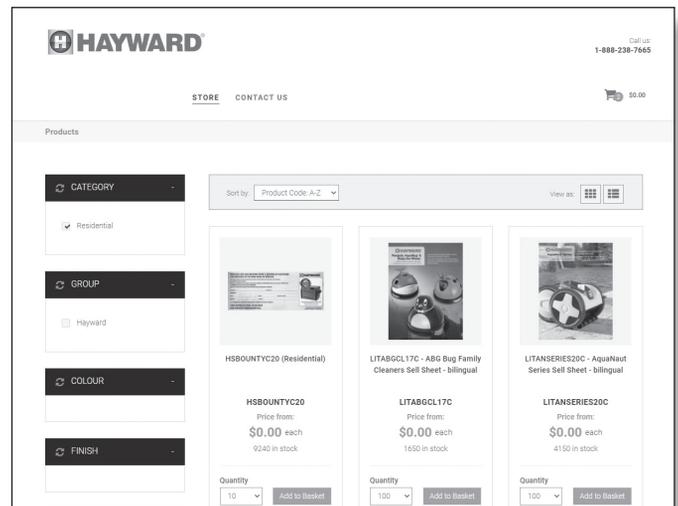
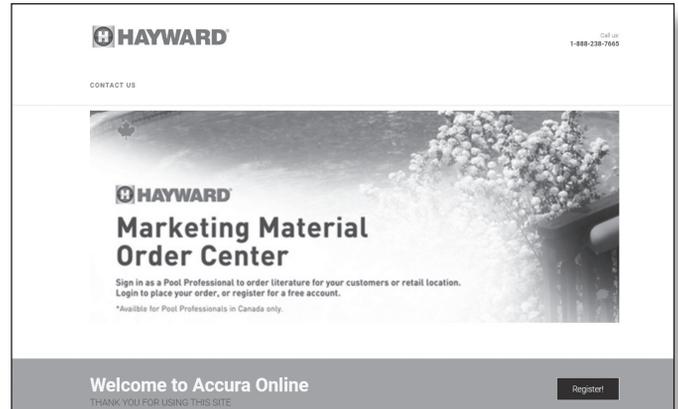
Visit the Literature page on Haywardpool.ca to find a link to the order center - or visit <https://online.hayward-pool.ca> - then log-in with your credentials. If you do not have an account, please register as a Pool Professional by clicking on 'Register' from the top right on the homepage. Fill out the form with your information and click 'sign up'. You will be notified when your new account is ready to use.

Select the Literature Type from the "Store":

- Product Literature (Residential & Commercial)
- Signage for your store
- Buyer's Guide

Follow the prompts to complete your marketing material order.

Aside from being able to quickly order what you need, the portal is open for orders 24 hours a day, 7 days a week.



Go to [Online.hayward-pool.ca](https://online.hayward-pool.ca), or scan the QR Code, to try out the Marketing Material Order Center. If you have any questions, please contact your local Hayward Sales Representative.









# 2025 Commercial Product Portfolio



S I N C E 1 9 2 5

HCF SERIES  
SAND FILTERS

UNIVERSAL H-SERIES  
ASME HEATER

HCP 3000  
SERIES PUMP

MULTI-PORT VALVE

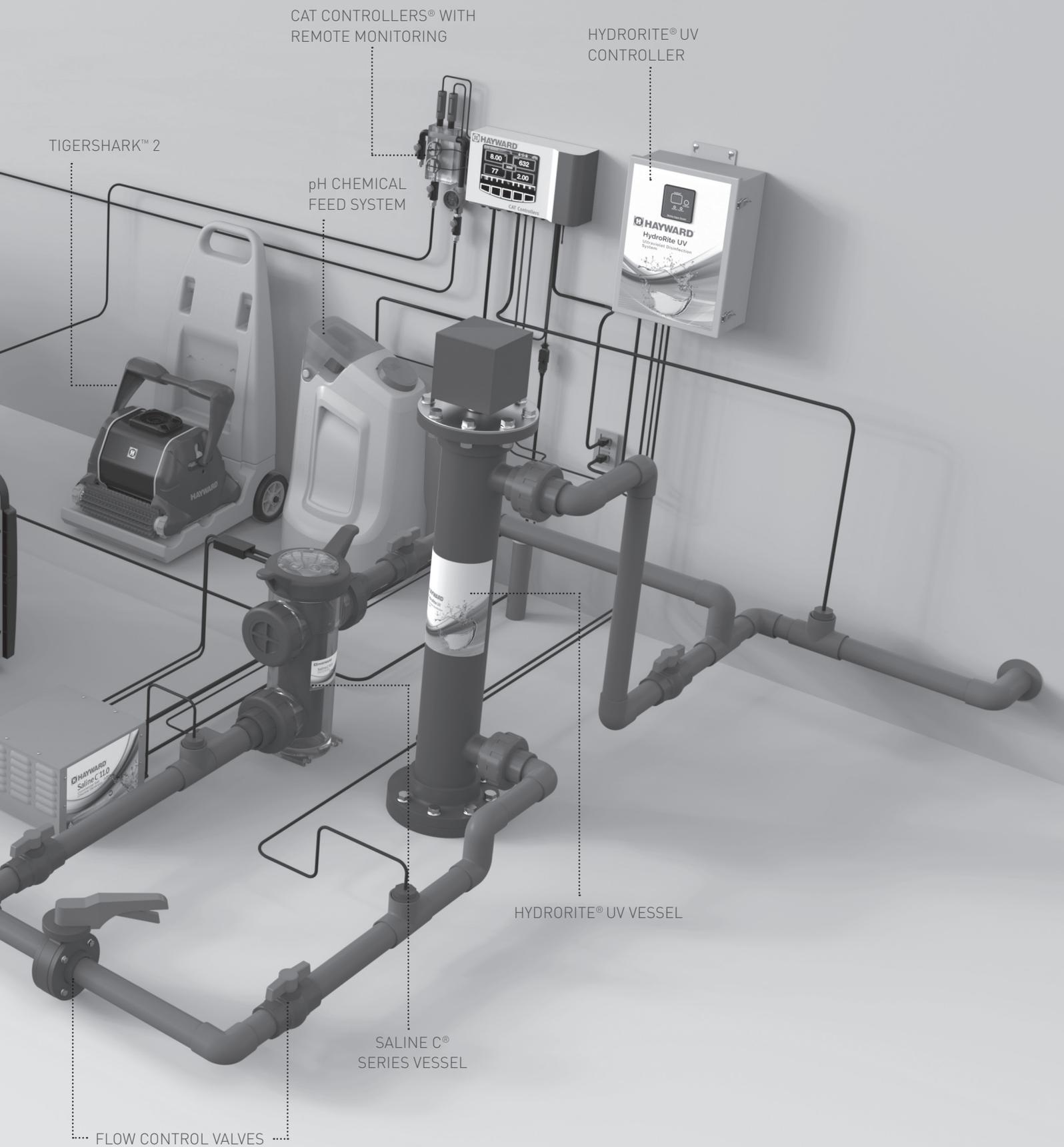
SALINE C® SERIES  
POWER SUPPLY

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# Experience the Innovation.

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Performance » Efficiency » Durability » Total Pool Management



CAT CONTROLLERS® WITH  
REMOTE MONITORING

HYDRORITE® UV  
CONTROLLER

TIGERSHARK™ 2

pH CHEMICAL  
FEED SYSTEM

HYDRORITE® UV VESSEL

SALINE C®  
SERIES VESSEL

FLOW CONTROL VALVES

\*For illustration purposes only. Not intended to provide guidance on product or plumbing configuration.

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### Earn Points

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 **HAYWARD**<sup>®</sup>  
COMMERCIAL AQUATICS

# INNOVATION MADE EASY.



SINCE 1925

# Pool Equipment and Accessories

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<b>HYDRAULIC PERFORMANCE AND RECIRCULATION SYSTEMS</b>	333 Commercial Pumps
	340 Commercial Filters
<b>WATER QUALITY MANAGEMENT SOLUTIONS</b>	347 Commercial Automation
	356 Commercial Sanitization
	363 Commercial Cleaners
<b>AMBIANCE AND COMFORT</b>	365 Commercial Lighting
	376 Commercial Water Features
	378 Commercial Heaters
<b>WHITE GOODS AND VALVES</b>	383 Commercial Flow Control
	390 Commercial White Goods

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Hayward Commercial Aquatics offers a full range of industry-leading innovative products designed to work together as one total system to help every commercial pool perform at its absolute best. Our products set the technological standard while providing unmatched performance, efficiency, reliability, versatility and ease of operation.

To see our innovation in action, look no further than the superior energy efficiency of a number of our flagship products that reduces power consumption, extend operational lifespan and delivers significant savings for your commercial operation. Or, consider our leading chemistry control and sanitization systems with intuitive salt and UV secondary and supplemental sanitization solutions that provide optimal water quality and safety for pools of all shapes and sizes—and optimal peace of mind for those who manage them.

Speaking of peace of mind, we know that superior products don't mean much without superior service to match. That's why our Commercial Aquatics team is dedicated to providing builders, servicers and pool designers with the tools and personalized support they need to stay at the forefront of commercial pool technology. As true extensions of any pool professional's team, Hayward representatives work hard to help each and every one of our partners succeed, day after day to keep your pool running smoothly.

These are just a few of the many reasons why Hayward is a trusted partner in powering recreational bodies of water around the world. Because bringing commercial pools the innovative products that are easy to operate and maintain is just what we do.

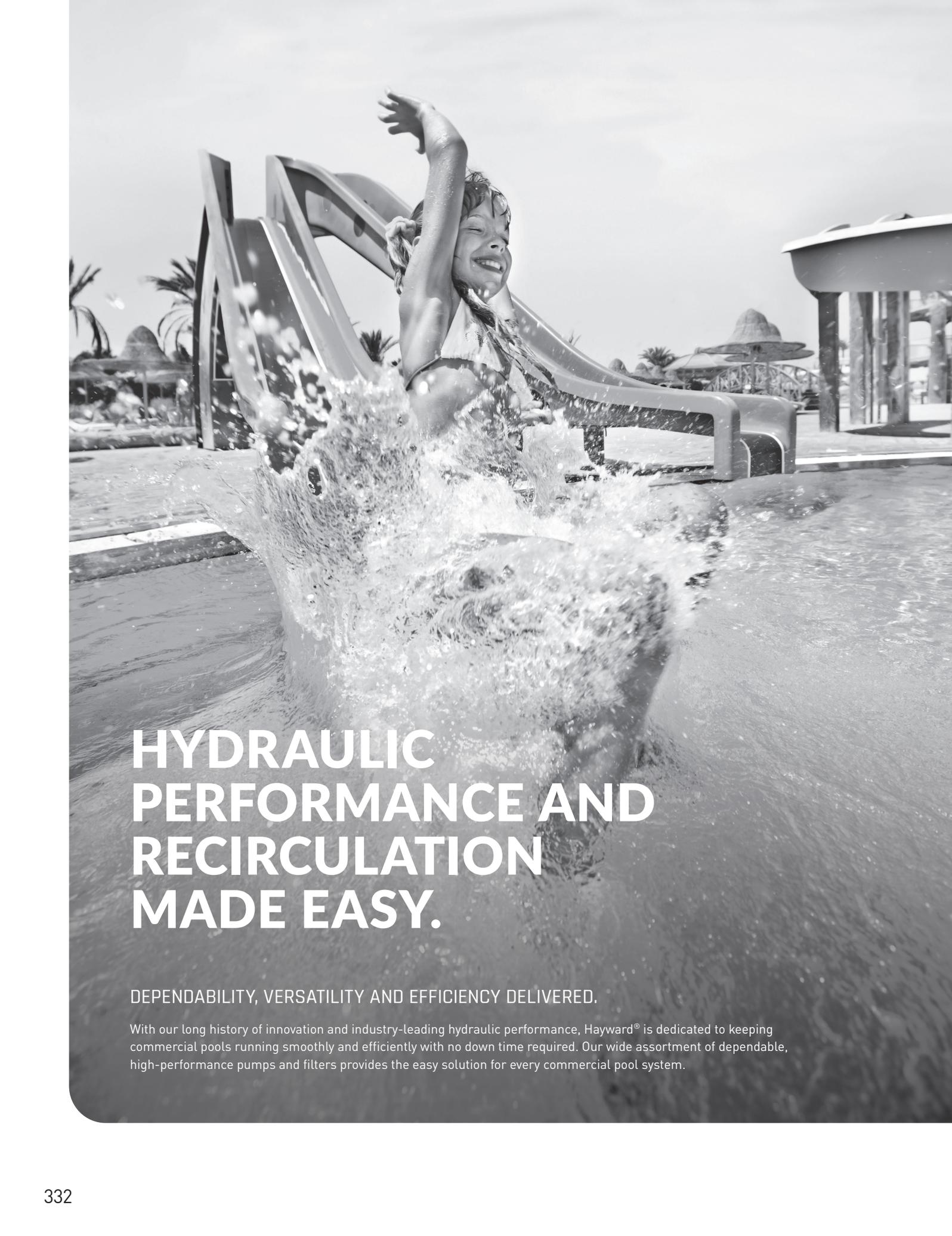
For more information about our partnerships, products and programs—including how to earn rewards on purchases through Totally Hayward®—visit us at [ca.HaywardCommercialPool.com](http://ca.HaywardCommercialPool.com).



HCP SERIES  
VARIABLE FREQUENCY DRIVE



HYDRORITE® UV DISINFECTION  
SYSTEM



# HYDRAULIC PERFORMANCE AND RECIRCULATION MADE EASY.

DEPENDABILITY, VERSATILITY AND EFFICIENCY DELIVERED.

With our long history of innovation and industry-leading hydraulic performance, Hayward® is dedicated to keeping commercial pools running smoothly and efficiently with no down time required. Our wide assortment of dependable, high-performance pumps and filters provides the easy solution for every commercial pool system.

## Commercial Pumps

Hayward Commercial Aquatics offers a complete line of technologically advanced self-priming pumps. From the industry's most energy-efficient model, the variable-speed HCP 2500 Series, to the best-in-class hydraulics and flow rate of our new HCP 3000 Series pumps, we've got pumps that exceed NRCan standards and suit any commercial pool.



HCP 2000 SERIES

### OUTSTANDING VALUE FOR SEMI-COMMERCIAL USE

- » Available for 1.0 to 5.0 HP Models in Three Phase
- » The industry's most efficient hydraulics for 3 to 5 HP pumps
- » Ribless basket design ensures easy debris removal
- » 2 x 2 1/2" union connections



HCP 2500 SERIES

### THE INDUSTRY'S MOST EFFICIENT 2.7 HP VARIABLE-SPEED PUMPS

- » Advanced hydraulic design reduces noise and maximizes energy savings
- » 15-ft communications cable for remote interface mounting
- » Large ribless strainer basket
- » 2 x 2 1/2" union connections



HCP 3000 SERIES

### BEST-IN-CLASS FLOW RATE FOR A WIDE RANGE OF POOLS

- » Sets a new standard of flow rate for the 3" union class
- » 7 HP model delivers 250 GPM at 65' of head
- » Chemical-resistant Viton® seal for long-term durability
- » Versatile strainer basket can be mounted remotely
- » Available in 2.0 to 7.0 3- phase models
- » 5.0 HP single-phase model also available
- » Variable-speed model offered in 2.7 HP

### NRCan-Compliant Hayward Pumps: Commercial

PUMP NAME	SKU	SPEED
HCP 3000	HCP3207C	Single Speed
	HCP3210C	
	HCP3220C	
	HCP3230C	
	HCP3250C	
	HCP30203	
	HCP30303	
	HCP30503	
	HCP30703	
	HCP30203C	
	HCP30303C	
	HCP30503C	
	HCP30703C	
HCP 2000	HCP20103	Single Speed
	HCP20203	
	HCP20303	
	HCP20503	

### CONTROL MADE EASY. ENHANCED PUMP CONTROL WITH SIMPLE INSTALLATION.

Compatible with Hayward HCP Series and a variety of other 208-230/460 VAC three phase commercial pool pumps, the easy-to install HCP Series Variable Frequency Drive (VFD) provides a budget-friendly solution for more accurate and efficient pump control in new or existing recreational water facilities. The HCP Series VFD delivers all the benefits of a variable-speed pump—including substantial energy savings, improved system efficiency, optimized performance, extended equipment life, and reduced noise levels—without the hassle of needing to replace existing single-speed pumps.

- » **Increases pump efficiency** for energy savings up to 50%
- » **Adjustable pump motor speed** matches the necessary flow rate for various pool sizes
- » **NEMA 4X and NEMA 12 Rated Enclosure Options Available** protects the drive from the outdoor elements
- » **OLED multi-language display** and touch screen provide intuitive navigation between menu options
- » **Built-in software** that is preprogrammed to simply start up and adjust the pump speed.
- » **Mountable** with direct wiring to pump power supply for fast, effortless installation
- » **Delivers greater than 98% efficiency**, saving energy and money
- » **Quick, easy installation** doesn't require a manufacturer drive specialist



#### HAYWARD HCP SERIES COMPATIBLE PUMPS\*



HCP 2000 SERIES

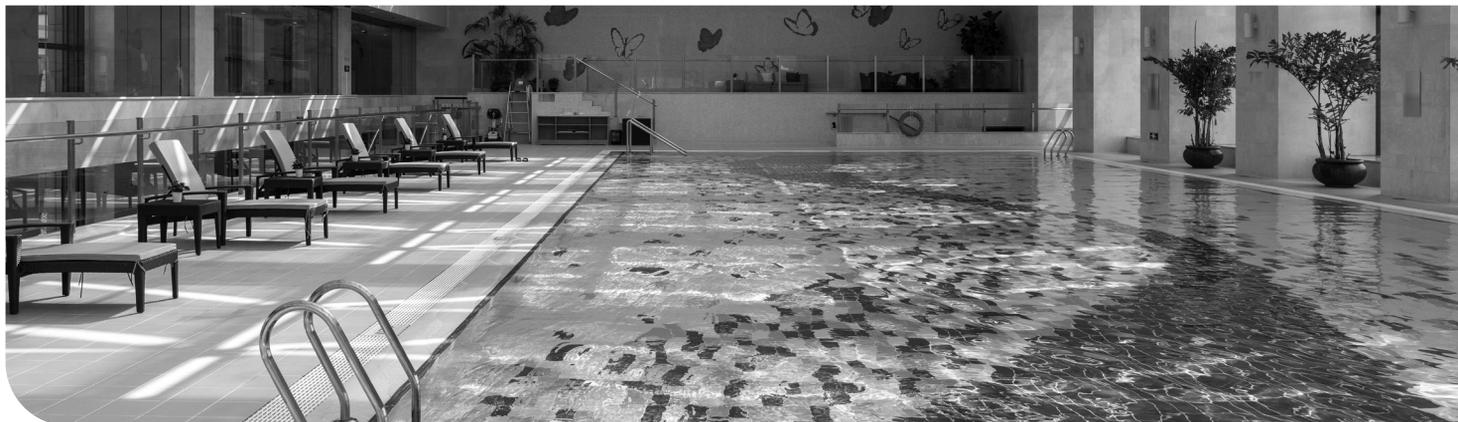
HCP 2500 SERIES

HCP 3000 SERIES



SPECIFICATIONS

	PART NUMBER	DRIVE ENCLOSURE RATING	PUMP	VOLTAGE	INPUT Ø	OUTPUT Ø	PUMP AMPS	DRIVE AMPS	BREAKER SIZE	WIRE SIZE 75° COPPER
208/230V 1 Ø TO 3 Ø	HCPVFD2201051P	NEMA4X	2/3	208/240	1	3	8.7/9.2	10.5	25	12
	HCPVFD3201531P	NEMA4X	5.5	208/240	1	3	14.6	10.5	40	8
	HCPVFD421501P	NEMA12	7.5	208/240	1	3	26	15	40	8
	HCPVFD520201P	NEMA12	10	208/240	1	3	33	46	60	6
	HCPVFD520251P	NEMA12	12.5	208/240	1	3	48	61	70	4
	HCPVFD620301P	NEMA12	15	208/240	1	3	54	90	70	4
	HCPVFD620401P	NEMA12	20	208/240	1	3	68	110	100	3
	HCPVFD620501P	NEMA12	25	208/240	1	3	54	150	100	3
	HCPVFD620601P	NEMA12	30	208/240	1	3	80	180	100	3
208/230V 3 Ø to 3 Ø	HCPVFD2201053P	NEMA4X	2/3	208/240	3	3	7.8/9.2	10.5	15/17.5	14
	HCPVFD3201803P	NEMA4X	5.5	208/240	3	3	14.6	18	30	10
	HCPVFD3202403P	NEMA4X	7.5	208/240	3	3	21	24	35	10
	HCPVFD4203003P	NEMA4X	10	208/240	3	3	26.1	30	45	8
	HCPVFD4204603P	NEMA4X	12.5/15	208/240	3	3	31.6/46	46	70	4
	HCPVFD520201P	NEMA12	20	208/240	3	3	33	46	60	6
	HCPVFD520251P	NEMA12	25	208/240	3	3	48	61	70	4
	HCPVFD620301P	NEMA12	30	208/240	3	3	54	90	70	4
460V 3 Ø to 460V 3 Ø	HCPVFD620401P	NEMA12	40	208/240	3	3	68	110	100	3
	HCPVFD620501P	NEMA12	50	208/240	3	3	54	150	100	3
	HCPVFD620601P	NEMA12	60	208/240	3	3	80	180	100	3
	HCPVFD1400413P	NEMA4X	2	460	3	3	4.1	5.25	10	14
	HCPVFD2400583P	NEMA4X	3	460	3	3	5.8	7.8	10	14
	HCPVFD2400953P	NEMA4X	5.5	460	3	3	7.3	9.5	15	14
	HCPVFD3401403P	NEMA4X	7.5 / 10	460	3	3	10.5/13.5	14	25	12
	HCPVFD3401803P	NEMA4X	12.5	460	3	3	15.8	18	30	10
	HCPVFD3402403P	NEMA4X	15	460	3	3	24	24	35	10
	HCPVFD4403003P	NEMA4X	20	460	3	3	30	30	45	8
	HCPVFD4403903P	NEMA4X	25	460	3	3	39	39	60	6
	HCPVFD4404603P	NEMA4X	30	460	3	3	46	46	70	4



\* Only applies to single-speed and 3-phase models  
 †Not Compatible with Class A GFCI circuit breakers. Check your local electrical code requirements.  
 ‡Compatible with Siemens QF Series Class A GFCI circuit breakers.

» For more details and ordering information call 1-888-238-7665

## HCP 3000 SERIES PUMPS

HCP 3000 Series pumps are game changers in commercial pump performance and versatility. Engineered for durability, they set a new flow rate standard for the 3" union class. A variety of power options, single or variable speed, means you can provide the optimum solution for a wide range of pools, delivering maximum performance without compromising efficiency.



- » **Suitable for** virtually any small- to mid-sized commercial pool
- » **First 3" pumps to achieve hydraulic performance** of more than 250 gallons per minute at 60' of head [7 HP model], saving more energy than any comparable pump on the market
- » **Modern totally enclosed fan-cooled (TEFC) motors** in all models provide a higher level of reliability
- » **Chemical-resistant Viton® seal** for long-term durability
- » **Removable, oversized strainer basket** reduces daily cleaning and maintenance and can be remotely mounted for increased versatility
- » **2.5" x 3" union connections** for simple, drop-in replacement in almost any application
- » **2.7 HP variable-speed** version available
- » **Available in single- or 3-phase**
- » **Ports are compatible with most other equipment brands**
- » **VFD Compatible**
- » **4-year** warranty on HCP3020VSP when installed on a residential application.
- » **3-year** warranty on all single-speed models
- » **NSF/ANSI Standard 50 Certified**



TRISTAR XL®



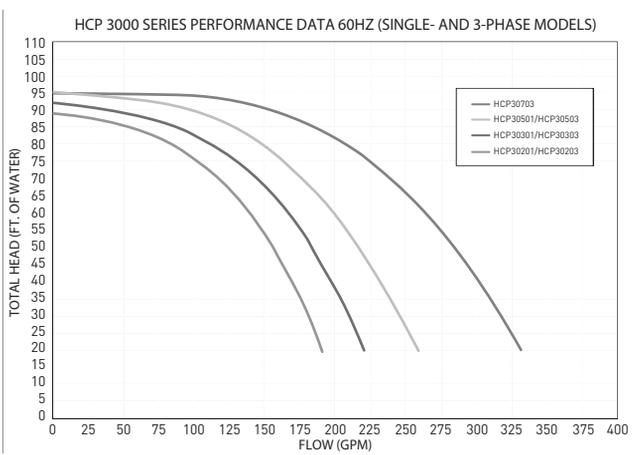
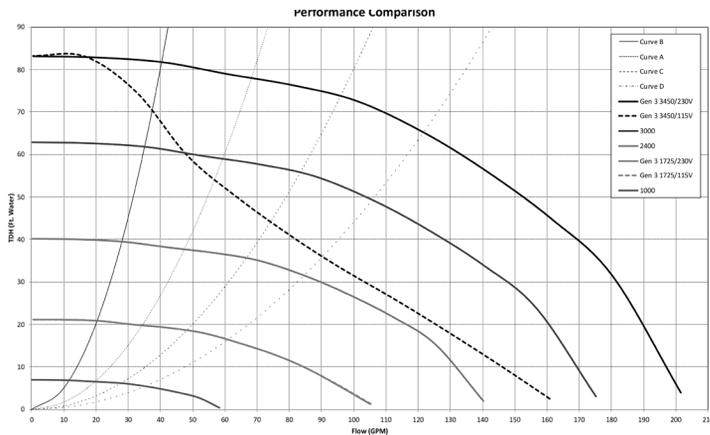
REMOVABLE STRAINER BASKET

### TECHNICAL SPECIFICATIONS

PART NUMBER	RATED HORSEPOWER	VOLTAGE	RATED CURRENT (AMPS)	HZ	WEIGHTED ENERGY FACTOR (WEF)	CTN. QTY.	CTN. WT. (LBS.)
HCP3020VSP	2.7	230/115V Single Phase, Variable Speed	10.2/12.2	60	7.2/9.9	1	75.0
HCP30501	5.0	208-230V Single Phase, Single Speed	21.0-20.0	60	2.0	1	102.0
HCP30203	2.0	208-230/460V 3-Phase, Single Speed	6.1-6.0/3.0	50/60	2.4	1	91.0
HCP30203C	2.0	330-575V 3-Phase, Single Speed	2.4	50/60		1	91.0
HCP30303	3.0	208-230/460V 3-Phase, Single Speed	9.2-9.0/4.5	50/60	2.3	1	96.0
HCP30303C	3.0	330-575V 3-Phase, Single Speed	3.8	50/60		1	96.0
HCP30503	5.0	208-230/460V 3-Phase, Single Speed	13.6-13.2/6.6	50/60	2.1	1	102.0
HCP30503C	5.0	330-575V 3-Phase, Single Speed	5.4	50/60		1	102.0
HCP30703	7.0	230/460V 3-Phase, Single Speed	19.8-17.2/8.6	50/60	1.6	1	107.0
HCP30703C	7.0	330-575V 3-Phase, Single Speed	7.2	50/60		1	107.0

### COMPATIBLE HAYWARD VARIABLE FREQUENCY DRIVES

PUMP SKU	SINGLE PHASE INPUT		THREE PHASE INPUT	
	208-230V	208/230V	460V	
HCP30203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P	
HCP30303	HCPVFD2201051P	HCPVFD2201053P	HCPVFD2400583P	
HCP30503	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P	
HCP30703	HCPVFD421501P	HCPVFD3202403P	HCPVFD3401403P	

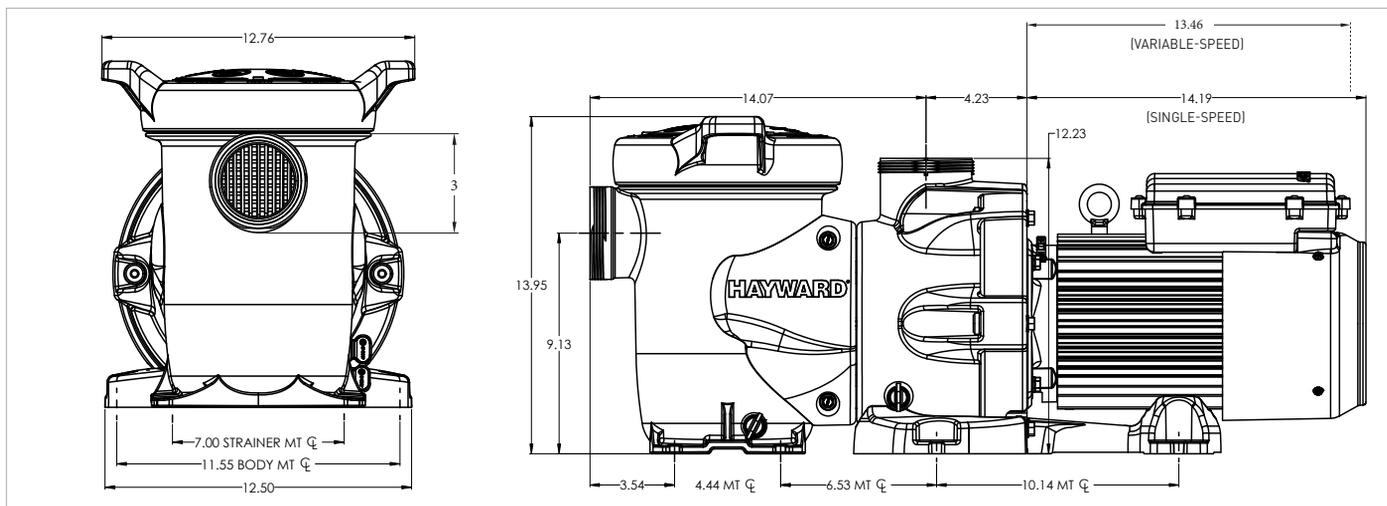


Pump Curves are available for every 100 RPM interval. Please contact your local commercial sales representative for more information.

**SPECIFICATIONS**

PART NUMBER		PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD)									
MODEL	HP	PH	40	45	50	55	60	65	70	75	
HCP30203 / HCP30203C	2	3	170	163	156	145	140	130	120	102	
HCP30303 / HCP30303C	3	3	198	285	185	180	166	155	145	130	
HCP30501 / HCP30503 / HCP30503C	5	1&3	232	225	217	210	200	185	179	163	
HCP30703 / HCP30703C	7	3	303	290	285	275	265	250	240	225	
HCP3020VSP	RPM	HP	PH	40	45	50	55	60	65	70	75
	3450 RPM	2.7	1	168	162	152	145	134	125	110	90
	3200 RPM			148	140	130	120	108	90	46	n/a
	3000 RPM			133	122	110	93	75	n/a	n/a	n/a
	2800 RPM			112	98	80	30	n/a	n/a	n/a	n/a
	2600 RPM			85	65	n/a	n/a	n/a	n/a	n/a	n/a
2400 RPM	21			n/a							

**DIMENSIONS (INCHES)**

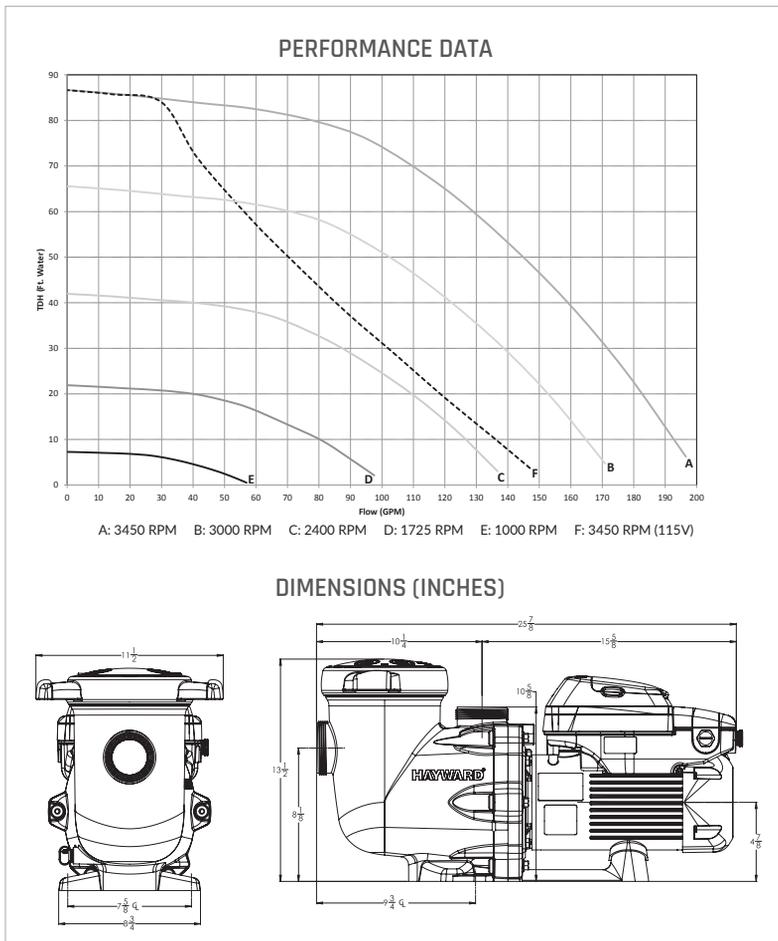


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## HCP 2500 SERIES PUMPS

### TRISTAR® VS C

HCP 2500 is the industry’s most energy-efficient variable-speed pump, delivering up to 90% savings to pool operators. With up to eight custom speed and timer functions, it’s fully compliant with energy efficiency regulations such as Title 20 and APSP-15 and its settings can be “locked out” for authorized access only. The advanced hydraulic design moves water more efficiently, operating at lower RPMs to minimize noise.



- » **Fully programmable** digital interface features a 24-hour clock, 8 custom speed and timer functions and password-protected settings
- » **Seamlessly integrates** with Hayward® OmniLogic®
- » **Permanent magnet, totally enclosed fan-cooled motor** provides maximum efficiency and reliability
- » **Relay control compatible** - Set and activate the pump with a timer switch or push button
- » **2" x 2 1/2" union connections** simplify installation and servicing
- » **Interchangeable pump bases** allow for easy retrofit installations
- » **4-year warranty** on HCP2500VSP when installed on a residential application.



### TECHNICAL SPECIFICATIONS

PART NUMBER	DESCRIPTION	SPEED RANGE	RATED HORSEPOWER	VOLTAGE	WEIGHTED ENERGY FACTOR (WEF)	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCP2500VSP*	TriStar VS C	600-3450 RPM	2.7	10.9 AMP	7.3/10.1	1	63.0
SP32900VSP	TriStar VS 900	600-3450 RPM	1.85	8.3 AMP	8.3/12.9	1	52.0

Additional pump curves for VSP Models are available at each 100 RPM Interval, contact local CSM for more information  
 \* Formerly HCP3400VSP

## HCP 2000 SERIES PUMPS

### TRISTAR®

HCP 2000 pumps outperform the competition in flow and efficiency while their lightweight design, union connections and tool-free lid opening make installation, service and maintenance easy. Available in 1.0 to 5.0 HP models, they are the ideal option to provide industry-leading value in any semi-commercial application.

- » **Clear Tri-Lock strainer cover** seals with less than a quarter turn
- » **Large, no-rib strainer basket** extends time between cleanings and ensures easy debris removal
- » **2" x 2½" union connections** simplify installation and servicing
- » **VFD Compatibility** with single-phase 208-230V and three-phase 208-230V/460V VFDs, offering energy savings, extended pump life, and enhanced performance.
- » **Elevated base** improves ventilation and protects against flooding
- » **3-year warranty** on all single-speed models



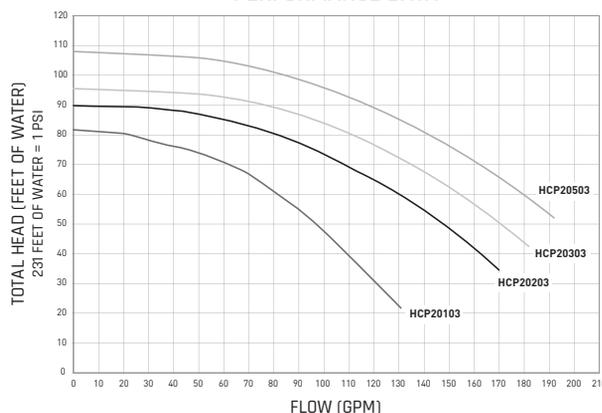
### TECHNICAL SPECIFICATIONS

PART NUMBER	RATED H.P.	VOLTAGE 3-PHASE	AMPS	HZ	WEIGHTED ENERGY FACTOR (WEF)	CAR-TON WEIGHT (LBS.)	PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW PER FT OF HEAD									
							35	40	45	50	55	60	65	70	75	80
HCP20103	1.0	208-230/460	6.4-5.8/2.9	50/60	3.0	49.0	115	110	103	97	90	82	75	70	40	3
HCP20203	2.0	208-230/460	8-8.4/4.2	50/60	2.5	49.0	165	161	154	148	140	130	119	109	99	80
HCP20303	3.0	208-230/460	10.8-11.4/5.7	50/60	2.3	49.0	0	185	180	172	165	155	145	138	125	117
HCP20503	5.0	208-230/460	13.4/6.7	60	2.0	65.0	0	0	0	0	190	182	175	168	160	155
HCP3207C	0.75	330/575	5-4.6/2.3	50/60	3.1	49.0	90	85	78	71	62	53	38	23	8	—
HCP3210C	1.0	330/575	6.4-5.8/2.9	50/60	2.9	49.0	116	110	104	97	90	82	71	60	38	16
HCP3220C	2.0	330/575	8-8.4/4.2	50/60	2.3	49.0	166	162	155	148	139	130	120	110	95	80
HCP3230C	3.0	330/575	10.8-11.4/5.7	50/60	2.1	49.0	188	186	180	174	165	155	147	138	126	114
HCP3250C	5.0	330/575	13.4/6.7	50/60	1.8	65.0	200	200	197	193	186	182	175	167	159	150

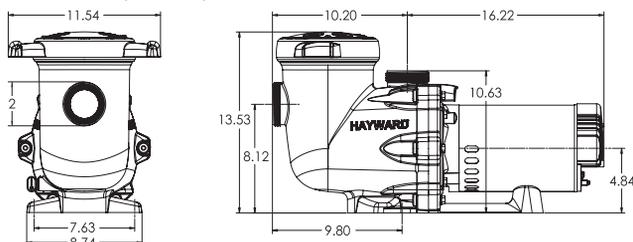
### COMPATIBLE HAYWARD VARIABLE FREQUENCY DRIVES

PUMP SKU	SINGLE PHASE INPUT	THREE PHASE INPUT	
	208-230V	208/230V	460V
HCP20103	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20503	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P

### PERFORMANCE DATA



### DIMENSIONS (INCHES)



» For more details and ordering information call 1-888-238-7665

# Commercial Filters

Hayward® Commercial Aquatics offers the latest in filtration technology with the HCF Series sand filters, well positioned to meet the most demanding commercial filtration requirements. Their heavy-duty fiberglass provides unprecedented flow capacity, innovative features and a 5-year warranty. In addition, our dual-quad-cluster HCF7030C cartridge system features increased hydraulic efficiency to reduce operation costs.

## HCF SERIES SAND FILTERS (42" - 63")

The large-format HCF Series sand filters are designed to provide the ultimate in filtration performance and durability. Larger sizes eliminate the need to use multiple smaller filters, meaning you'll save valuable floor space and reduce installation and plumbing complexity—and simplify maintenance and backwashing, too. Constructed with heavy-duty filament-wound fiberglass, a UV-protected resin and corrosion-proof internals, the large-format HCF Series sand filters offers a powerful, streamlined filtration solution for the recreational water market.



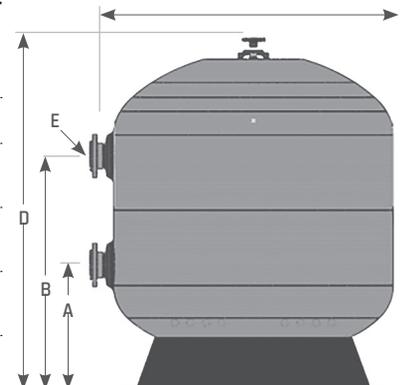
Certified to NSF/ANSI Standard 99



- » **Large-format filters** eliminate the need for multiple smaller filters, saving valuable space while providing flow rates up to 433 GPM
- » **Reduced installation and plumbing complexity** with simplified maintenance and backwashing
- » **Manufactured from heavy-duty filament-wound fiberglass** for high-performance filtration and long-lasting durability
- » **UV-protected resin coat and corrosion-proof internals** protect the filter from even the harshest environments
- » **Large manway mechanism with positive seal** enables easy inspection
- » **Durable fiberglass base** for sturdy installation
- » **Industrial-grade laterals and quad diffusers** improve filtration and lengthen filter cycle time

### DIMENSIONS

FILTER MODEL NUMBER	DIMENSIONS (INCHES)					GRAVEL/SAND QTY. LBS.	INSTALLATION CLEARANCE (INCHES)		CARTON WEIGHT LBS.	CARTON DIMENSIONS (LxWxH)
	A	B	C	D	E		VERT.	HOR.		
HCF342C	19.64	31.46	42	48.66	3	225/1400	18	4	224.8	46.1" x 43.3" x 49.2"
HCF348C	27.12	38.94	48	58.03	3	600/2250	18	4	275.5	51.2" x 50" x 57.9"
HCF455C	31.90	48.90	55	74.50	4	500/5300	18	4	599.5	63" x 59.1" x 74.8"
HCF663C	28.22	47.22	67.25	75.82	6	850/6800	18	4	698.7	70.9" x 66.9" x 76.4"



TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

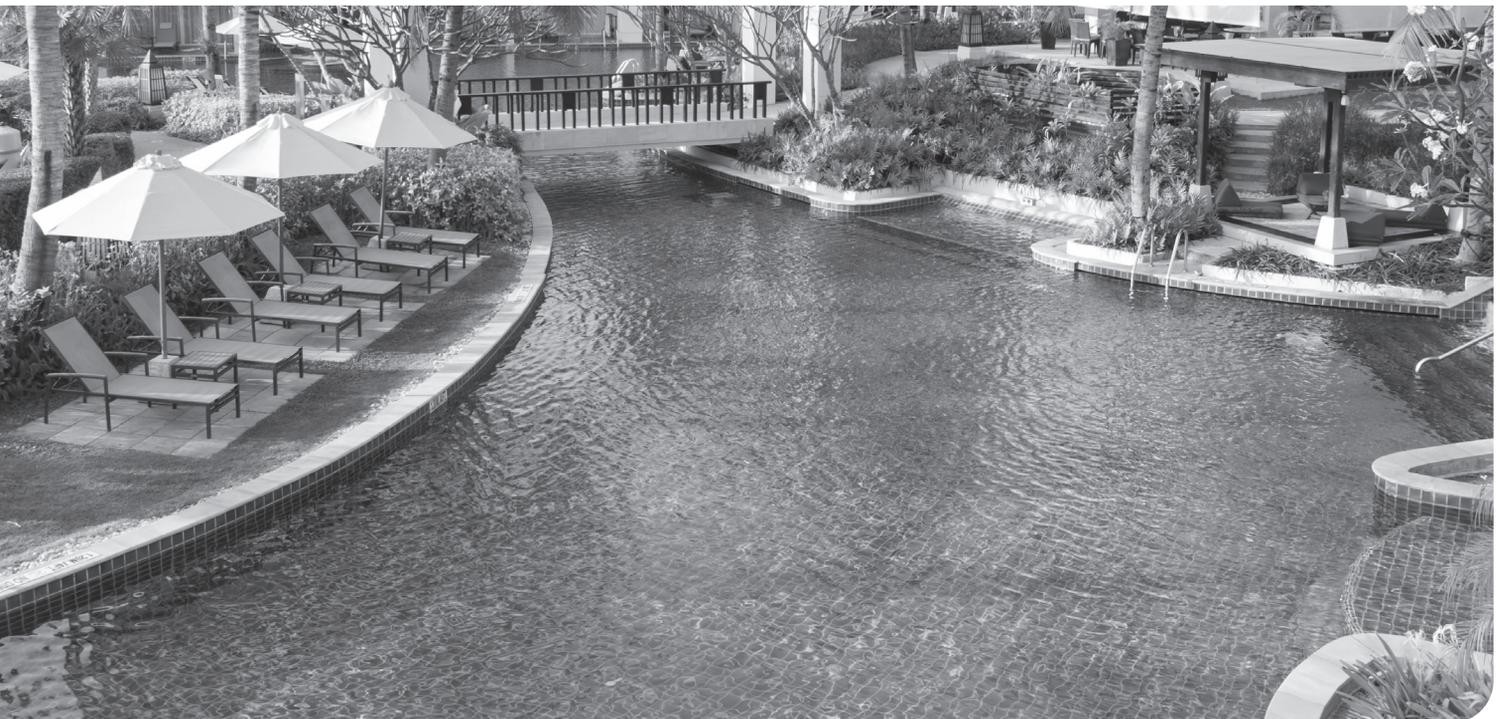
PART NUMBER	HCF342C		HCF348C		HCF455C		HCF663C	
Size of Fiberglass Sand Filter	42"		48"		55"		63"	
Filtration Area/ft <sup>2</sup> /M <sup>2</sup>	9.83	0.91	13.40	1.24	16.49	1.53	21.64	2.01
Filtration Rate GPM/ft <sup>2</sup>	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft <sup>2</sup> (GPM) (LPM)	147	559	201	762	247	937	324	1230
Filtration Flow Rate at 20 GPM/ft <sup>2</sup> (GPM) (LPM)	196	745	268	1014	329	1249	432	1639
Backwash Flow Rate GPM/ft <sup>2</sup>	5-20		5-20		5-20		5-20	
Maximum Working Pressure (PSI)	50		50		50		50	
Multiport Valve Part Number	HCV375C		HCV375C		HCV475C		HCV475C**	
Inlet/Outlet Connection Type	Union/ANSI Flange*		Union/ANSI Flange*		ANSI Flange*		ANSI Flange*	
Inlet/Outlet Port Diameter	3"		3"		4"		6"	

\*Inlet/outlet connection type included.

\*\*The HCV475C Multiport is a 4" ANSI flange connection, the HCF663C is 6" ANSI connection.

In-field plumbing with bushings will be required to adapt this filter.

Filter accessories can be found on page 451



### HCF SERIES SAND FILTERS (30" - 36")

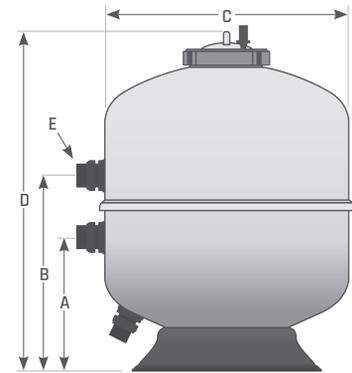
The HCF Series sand filter sets a new standard for performance and longevity in the recreational water market. Designed to improve filtration and lengthen filter cycles, it also includes a **UV-protected gel coat** that shields the filter against the elements, preventing fiberglass blooming. Its secure lid mechanism enables easy inspection, and because it's manufactured from proprietary resins and fiberglass, it's virtually corrosion proof.



- » **34" model** fits through standard 36" doorways with no need to remove the door frame, simplifying replacement installations
- » **36" model** available with 2.5" or 3" connections
- » **High-performance filtration and longer service life**
- » **UV-protected gel coat** protects the filter from the elements and algae blooming
- » **Multi-diffuser distribution heads and oversized laterals** improve filtration and lengthen filter cycle time
- » **Secure manway mechanism** enables easy inspection
- » **Commercial grade, PVC and Polypropylene injection molded slotted laterals** resist corrosion to ensure high performance
- » **Manufactured from proprietary resins and fiberglass** to be virtually corrosion proof

#### DIMENSIONS

FILTER MODEL NUMBER	DIMENSIONS (INCHES)					SAND QTY. LBS.	INSTALLATION CLEARANCE (INCHES)		CARTON WEIGHT LBS.	CARTON DIMENSIONS (LxWxH)
	A	B	C	D	E		VERT.	HOR.		
HCF230C	16.25	23.75	31.49	42.6	2	600	18	4	108	33.5" x 33.5" x 40.2"
HCF234C*	18.75	26.25	33.85	46.4	2	750	18	4	134.4	37" x 37" x 44.5"
HCF236C	18.75	26.25	37.4	47.6	2.5	900	18	4	167.5	38.6" x 38.6" x 45.7"
HCF336C	18.5	26.22	37.4	47.6	3	900	18	4	180.7	38.6" x 38.6" x 45.7"



TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

PART NUMBER	HCF230C		HCF234C		HCF236C		HCF336C	
Size of Fiberglass Sand Filter	30"		34"		36"		36"	
Filtration Area/ft <sup>2</sup> /M <sup>2</sup>	4.9	0.45	6.31	0.59	7.05	0.65	7.05	0.65
Filtration Rate GPM/ft <sup>2</sup>	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft <sup>2</sup> (GPM) (LPM)	73	278	94	358	105	400	105	400
Filtration Flow Rate at 20 GPM/ft <sup>2</sup> (GPM) (LPM)	98	370	126	476	141	533	141	533
Backwash Flow Rate GPM/ft <sup>2</sup>	5-20		5-20		5-20		5-20	
Maximum Working Pressure (PSI)	50		50		50		50	
Multiport Valve Part Number	HCV275C		HCV275C		HCV2575C		HCV375*	
Inlet/Outlet Connection Type	Union**		Union**		Union**		Union/ANSI Flange**	
Inlet/Outlet Port Diameter	2"		2"		2.5"		3"	

\*P/N HCV375 requires field plumbing (Pipe and Fittings not included)

\*\*Inlet/outlet connection type included.

Filter accessories can be found on page 451

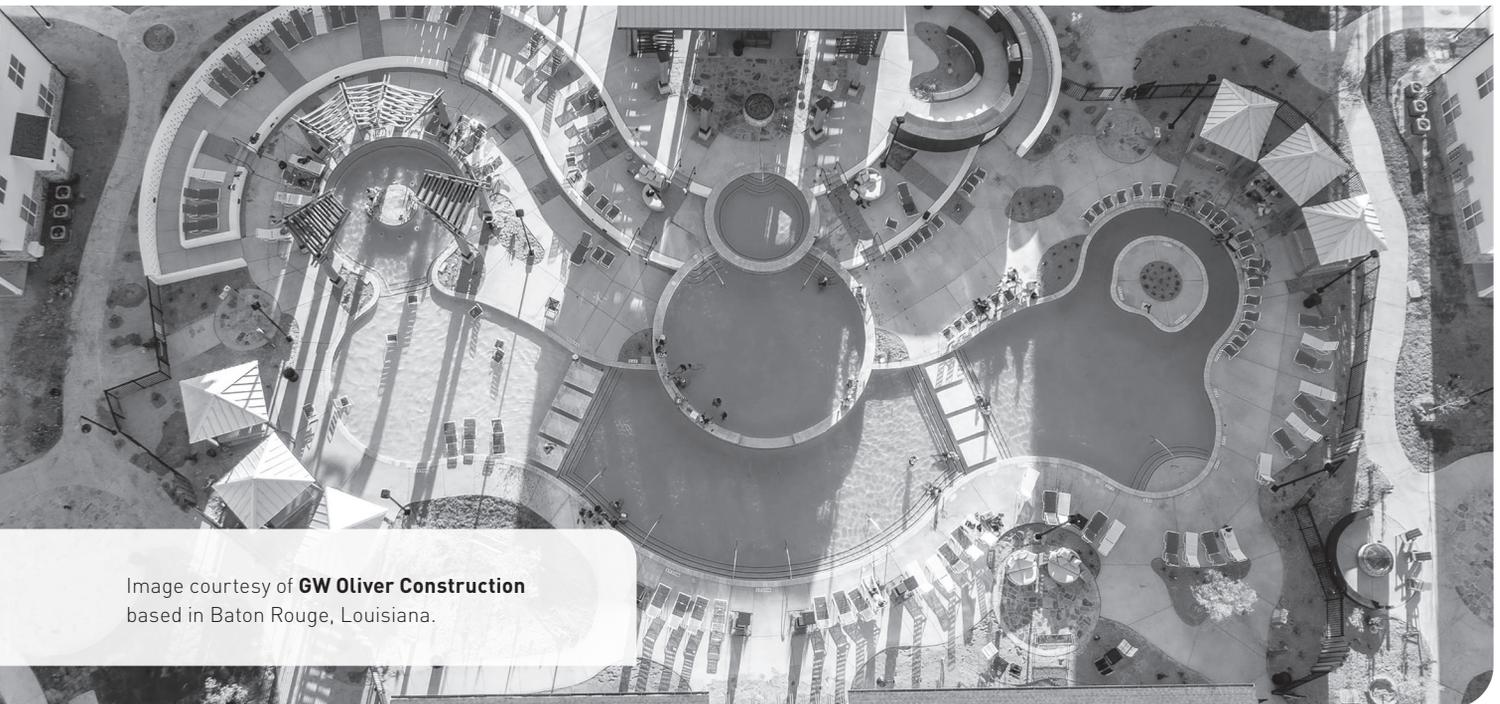


Image courtesy of **GW Oliver Construction** based in Baton Rouge, Louisiana.

## COMMERCIAL MULTIPOINT VALVES

Hayward® Commercial Aquatics' HCF Series Sand Filters can be installed individually or configured in multi-filter banks to suit the filtration requirements of any swimming pool or spa. Hayward Multiport Valves simplify installation and operation and are engineered for maximum flow and minimal pressure drop. The six-position valves facilitate selection of filter, backwash, waste, rinse, closed or recirculate modes at the turn of a single lever.

- » **Factory plumbed** to fit most Hayward HCF Series gel-coated and filament-wound commercial sand filters
- » **Simplifies** filter installation and operation
- » **Six mode selections** at the turn of a single lever
- » **Union connectors included**
- » **Complete range** with 2", 2.5", 3" and 4" models

### MULTIPOINT VALVE APPLICATION CHART

HCF SERIES FILTER MODEL	PORT SIZE	MULTIPOINT VALVE
HCF230, HCF234, HCF236	2"	HCV275
HCF230C, HCF234C	2"	HCV275C
HCF236C	2.5"	HCV2575C
HCF336C	3"	HCV375*
HCF342C, HCF348C	3"	HCV375C
HCF455C	4"	HCV475C

PART NUMBER	SIZE	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	GPM	LPM
HCV375	3"	3" Commercial Multiport Valve (Valve Only)*	1	22.0	300	1137
HCV275C	2"	2" Commercial Multiport Valve Kit	1	10.8	135	500
HV2575C	2.5"	2.5" Commercial Multiport Valve Kit	1	16.0	209	780
HCV375C	3"	3" Commercial Multiport Valve Kit	1	22.0	285	1078
HCV475C	4"	4" Commercial Multiport Valve Kit (flange)	1	36.0	476	1800z

\*PN HCV375 will require field plumbing

PART NUMBER	SIZE	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	GPM	LPM
HCV275	2"	2" Commercial Multiport Valve Kit	1	10.8	125	475

\*Legacy HCF Filter

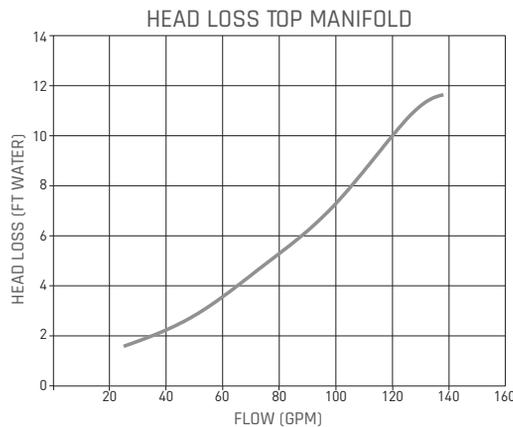


## HCF SERIES CARTRIDGE FILTERS

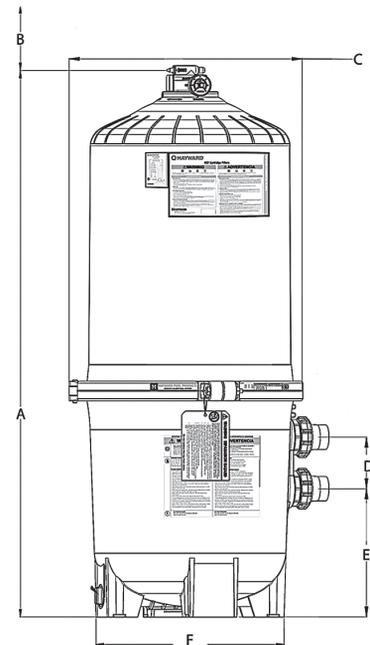
The Dual-Quad-Cluster commercial HCF7030C cartridge filter system features a massive 700 ft<sup>2</sup> of filter area providing heavy-duty, dirt-holding capacity and extra-long filter cycles. The HCF7030C will prove to be a major contributor to any pool or spa operator driving to provide the ultimate in clear, fresh and safe water.

It will reduce operation costs and enhance the eco-friendliness of the facility by saving thousands of gallons of carefully balanced, heated pool water per month through the elimination of backwashing. Ideal for new construction or retrofits, the HCF7030C can accommodate commercial flow rates to 150 GPM. The filter exterior is molded from a glass-reinforced co-polymer material capable of meeting the rigorous demands of the commercial environment.

- » **700 ft<sup>2</sup> of high-performance filter media**, effective particulate removal of 10-20 microns vs. 20-40 microns with sand
- » **Easy access** to eight compact cartridges for fast, manageable cleaning
- » **2" x 2½" connections** with full 2" internal piping
- » **Capable of handling 150 GPM** flow rates
- » **1-year warranty** on parts
- » **3-year warranty** when installed on residential application
- » **NSF/ANSI Standard 50 Certified**



GPM	HLF
0	-0.5
25	1.58
50	2.81
75	4.86
100	7.29
125	10.66
138	11.64



### TECHNICAL SPECIFICATIONS AND PERFORMANCE DATA

<b>PART NUMBER</b>	<b>HCF7030C</b>
Product Dimensions	52.5" Tall, 26" Diameter
Effective Filtration Area	700 ft <sup>2</sup>
Design Flow Rate	150 GPM*
Filter Type	Dual Quad-Cluster Polyester Cartridge
Filter Tank	Injection Molded Glass-Reinforced Co-Polymer
Filter Elements	Eight Reinforced Polyester Cartridges
Replacement Elements	CX591XREPAK4 (2 each)
Maximum Working Pressure	50 psi
Turnover (in gallons) 6 hrs	54,000
Turnover (in gallons) 8 hrs	72,000
Product Weight	77 lbs.

### DIMENSIONS (INCHES)

A	B**	C	D	E	F
52.5	28	26	5	12.5	18

\*Determined by pump size and piping system hydraulics, 2½" piping is recommended for flow rates equal to or greater than 90 GPM (341 LPM). Hayward doesn't recommend flow rates above 150 GPM.

\*\*B = Vertical Clearance



# WATER QUALITY MANAGEMENT MADE EASY.

THE CLEAREST WATER, PURE AND SIMPLE.

Ensuring swimmers' health and safety is your top priority and ours too. Innovative advancements in efficient sanitization provide the purest water possible while our wireless water chemistry automation allows for easy and effortless remote management. So as you put swimmers' safety first, you'll enjoy peace of mind, energy cost savings and total control over water quality in all of your facilities.

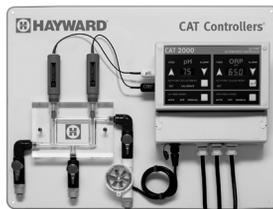
# Commercial Automation

Thousands of commercial pools, spas, water parks and water treatment facilities worldwide rely on CAT Controllers®, certified to NSF/ANSI Standard 50, to provide enhanced water quality management and reduced operational costs. Every model provides unmatched control over pH, ORP, and sanitization for chlorine, bromine or salt chlorinated pools. Our wireless, web-based models are available with Wi-Fi® and cellular connectivity to allow unparalleled remote monitoring and control through PoolComm® (PoolComm.com or PoolComm App).

## CAT CONTROLLER MODEL GUIDE

	CAT 5500*	CAT 5000*	CAT 4000*	CAT 2000*
MONITORING AND CONTROLS	pH	•	•	•
	ORP	•	•	•
	Temp	•	•	
	Water Level <sup>1</sup>	•	•	•
	Tank Level <sup>1</sup>	•	•	•
	Digital Flow <sup>1</sup>	•	•	•
	Total Dissolved Solids	•		
	NaCl (Salt)	•		
	Backup Sanitization (Secondary ORP Set Point)	•	•	•
	Free Chlorine			
	LSI Calculation			
FEATURES AND CAPABILITIES	Total Dynamic Sanitizer Control			
	Auxiliary Relays	2	2	1
	Powered Auxiliary Relay			
	PVC Backboard	•	•	•
	Mounting Bracket			
	Installation Kit <sup>2</sup>	•	•	•
	Touch Screen Display			
	Bluetooth Enabled <sup>3</sup>			
	4-20ma Inputs <sup>3</sup>			
	Circulation Pump Inter-lock			
Wireless, Web-based Communications <sup>4</sup>	✓	✓	✓	

Professional Package includes Machined Acrylic Flow Cell with Rotary Flow Sensor and Ball Valves. Standard Package includes Molded Flow Cell with Float Style Flow Sensor and Ball Valves. Both packages include 1/2" Speedfit Connectors, 30' of installation tubing, Professional Series pH and ORP Sensors and are pre-mounted on PVC backboard.



Professional Package



Standard Package

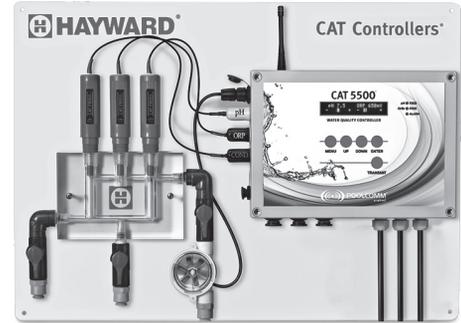
- <sup>1</sup> Additional sensor required.
- <sup>2</sup> Installation Kit includes two quick connect fittings and 30' of 3/8" OD poly tubing.
- <sup>3</sup> Coming soon.
- <sup>4</sup> Specify transceiver type when ordering.

Parts Section on page 456.

## CAT 5500® AUTOMATED PH/ORP CONTROLLERS WITH TDS AND SALT MONITORING CAPABILITIES

Discover powerful water chemistry controllers complete with TDS, temperature and salt monitoring. CAT 5500 wireless communicating controller are equipped with state-of-the-art sensing and control capabilities tailored specifically for salt chlorine applications. Powerful and intuitive, these models offer the utmost in convenience in pH, ORP, conductivity/NaCl, backup sanitization and internet-based monitoring.

- » **pH and ORP controller** with TDS/NaCl and temperature monitoring
- » **Dual sanitizer set points** for back-up ORP control; temperature sensor for heater control
- » **Auxiliary relays** for control versatility; 2 relays CAT 5500
- » **Communicates wirelessly** to PoolComm®\*
- » **Comes complete** with CAT Professional Series pH, ORP and conductivity sensors for unsurpassed performance
- » **Perfect complement** to Saline C® Series Salt Chlorine Generators
- » **5-year limited warranty** on controller; 2-year warranty on sensors
- » **NSF/ANSI Standard 50 Certified**



CAT 5500 PROFESSIONAL PACKAGE



PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CATPP5500WIFI	CAT 5500 Professional Package, Temp/TDS/NaCl - Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5500CELL	CAT 5500 Professional Package, Temp/TDS/NaCl - Cell Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CAT5500-WIFICA	CAT 5500 PRO PKG, TEMP/TDS-WIFI TRANSCVR/DERIVED PPM, TITLE 22 COMPLIANT	1	20.0



## CAT 5000<sup>®</sup> AUTOMATED PH/ORP/ TEMPERATURE CONTROLLER WITH GLOBAL COMMUNICATIONS

CAT 5000 is an advanced wireless, internet-based water quality controller to provide worldwide coverage. This powerful system leverages affordable wireless technology and Internet-based monitoring to give you control like never before.

The CAT 5000 offers unprecedented product quality, value and ease of use. Simply install the factory-assembled CAT 5000 system and log onto PoolComm<sup>®</sup> to activate your wireless account and begin monitoring. Using your personal PoolComm account, you can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS.



CAT 5000 PROFESSIONAL PACKAGE

- » **State-of-the-art microprocessor-based water quality controller** with integrated global communications
- » **Eliminates the cost** of installing and maintaining dedicated analog telephone lines
- » **With 3 different wireless communication protocols** ranging from Wi-Fi<sup>®</sup> to cellular, the CAT 5000 will communicate wirelessly, 24/7, worldwide
- » **Monitor and maintain via web browser** from any internet-enabled computer, mobile device, or via PoolComm App for iPhone<sup>®</sup> or Android<sup>™</sup>
- » **5-year limited warranty** on controller; 2-year warranty on sensors
- » **NSF/ANSI Standard 50 Certified**



PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CATPP5000WIFI	CAT 5000 Professional Package with Temp. – Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP5000CELL	CAT 5000 Professional Package with Temp. – Wi-Fi Transceiver and UL Listed - includes Machined Acrylic Block Flow Cell and RFS	1	20.0



## CAT 4000® AUTOMATED PH/ORP CONTROLLER WITH WIRELESS COMMUNICATIONS

Using the CAT 4000 system, you can easily log onto PoolComm® to activate your wireless account and begin monitoring your water quality. Using your personal PoolComm account, you can view water quality data, print charts, analyze graphs, customize your settings and receive alarm notifications via email or SMS.



CAT 4000 PROFESSIONAL PACKAGE

- » **Wireless link to the PoolComm site** with extensive North American coverage and 24/7 monitoring
- » **Incredibly simple to install and operate** via simple menus and a bright alphanumeric display
- » **Compatible with** existing chemical feed equipment, so initial investment is minimized
- » **Comes complete with** CAT Professional Series pH and ORP sensors for unsurpassed performance
- » **Optional Wi-Fi® or Cellular communications protocol** provides users free PoolComm access
- » **5-year limited warranty** on controller; 2-year warranty on sensors
- » **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT-4000-WIFI	CAT 4000 Standard Package with Wi-Fi Transceiver	1	15.0
CATPP4000WIFI	CAT 4000 Professional Package with Wi-Fi Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP4000CELL	CAT 4000 Professional Package with Cell Transceiver, includes Machined Acrylic Block Flow Cell and RFS	1	20.0
CATPP4000WIFIAU	Cat4000 Pro Pkg W/Wifi Trancvr W/Gold Tip Orp	1	20.0



## CAT 2000® AUTOMATED PH/ORP CONTROLLER

Chemical automation is recognized by health officials and industry leaders as the safest, most effective method of maintaining precise, healthy water balance. The CAT 2000 constantly monitors pH and sanitizer activity (chlorine, bromine, even salt chlorine systems) and automatically implements chemical feeding in proportion to demand for picture-perfect water quality at all times.



CAT 2000 PROFESSIONAL PACKAGE



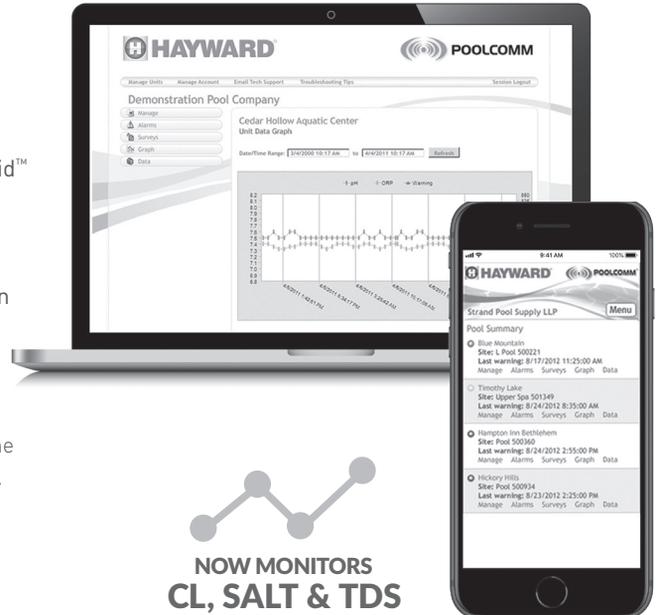
- » **Simple installation**, setup and operation
- » **Compatible with** all types of chemical feed equipment
- » **5-year limited warranty** on controller; 2-year warranty on sensors
- » **Factory-assembled system includes** controller, sensors, machined acrylic flow cell, rotary flow sensor and PVC backboard
- » **NSF/ANSI Standard 50 Certified**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
CAT2000	CAT 2000 Standard Package	1	15.0
CAT-PP2000	CAT 2000 Professional Package, includes Machined Acrylic Block Flow Cell and RFS	1	20.0



## POOLCOMM® WIRELESS WEB-BASED MANAGEMENT

PoolComm is a revolutionary way to manage the water quality of multiple commercial pools and spas from a single remote location. This interface allows detailed monitoring and adjustment of pH, ORP, conductivity/NaCl, compliance documentation and more, all through the internet or PoolComm mobile app. Any computer, iPhone®, Android™ or web-enabled mobile device can manage a pool. The PoolComm App affords commercial pool servicers, operators and managers greater convenience and flexibility when monitoring water quality at their various facilities. The app is now available for FREE download on iPhone and Android.



NOW MONITORS  
CL, SALT & TDS  
READINGS

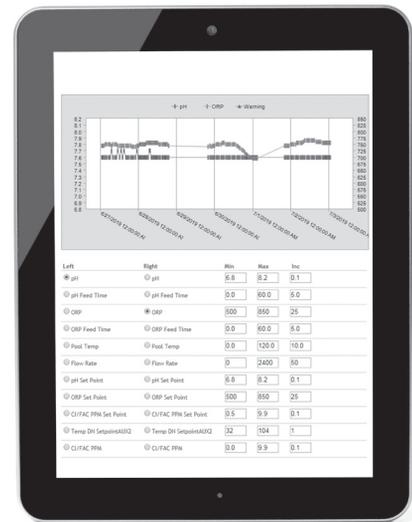
- » **Wi-Fi® communications option** allows free access to PoolComm anytime
- » **Cellular communication** requires seasonal or annual paid subscription.
- » **Get direct control of systems** from any web browser
- » **Monitor and display** multiple facilities simultaneously
- » **Customize monitoring data** to display
- » **Receive near real-time detection** of pH and ORP problems
- » **Get color-coded alarm display**, with notification by email or SMS
- » **Promote customer satisfaction** by proactively solving problems



[HAYWARD.COM/POOLCOMMAPPPTUTORIAL](http://HAYWARD.COM/POOLCOMMAPPPTUTORIAL)  
Watch the PoolComm App Tutorial

Unit Data Report

Date/Time	pH	ORP	Service Request	Pool Temp	Flow Rate	pH Set Point	ORP Set Point	Cl/FAC PPM	TDS	Salt	Warning Description	Warning Sent
7/3/2019 1:05:00 AM	7.6	755	No	0.0	0	7.6	650	2.1	1200		No Flow	No
7/3/2019 1:00:00 AM	7.6	755	No	83.0	23	7.6	650	2.1	1200		No Flow	No
7/3/2019 12:05:00 AM	7.6	755	No	0.0	0	7.6	650	2.1	1200		No Flow	No
7/3/2019 12:00:00 AM	7.6	755	No	83.0	23	7.6	650	2.1	1200		No Flow	No
7/2/2019 11:05:00 PM	7.6	755	No	0.0	0	7.6	650	2.1	1200		No Flow	No
7/2/2019 11:00:00 PM	7.6	755	No	83.0	23	7.6	650	2.1	1200		No Flow	No
7/2/2019 10:05:00 PM	7.6	755	No	0.0	0	7.6	650	2.1	1200		No Flow	No
7/2/2019 10:00:00 PM	7.6	755	No	83.0	23	7.6	650	2.1	1200		No Flow	No
7/2/2019 9:00:00 PM	7.6	755	No	0.0	0	7.6	650	2.1	1200		No Flow	No
7/2/2019 9:00:00 PM	7.6	755	No	83.0	22	7.6	650	2.1	1200		No Flow	No
7/2/2019 8:00:00 PM	7.6	755	No	83.0	22	7.6	650	2.1	1200		No Flow	No



REMOTE WATER QUALITY  
MANAGEMENT AT YOUR FINGERTIPS.

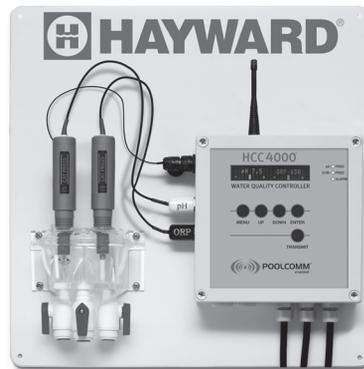


Download FREE  
PoolComm App for  
iPhone or Android.



## HCC 4000 WIRELESS WATER CHEMISTRY CONTROLLER

The HCC 4000 Series controllers offer affordable, wireless water chemistry control to ensure safe and comfortable pH/ORP levels. Featuring customizable chemical feed mixing, it's simple to set the length and frequency of feed times for more consistent pH and sanitization levels. HCC 4000 controllers are the only HCC Series controllers that are compatible with the Hayward® PoolComm® app—meaning remote access, monitoring and control of commercial pool water quality is possible from any web-enabled device.



Certified to NSF/ANSI Standard 50



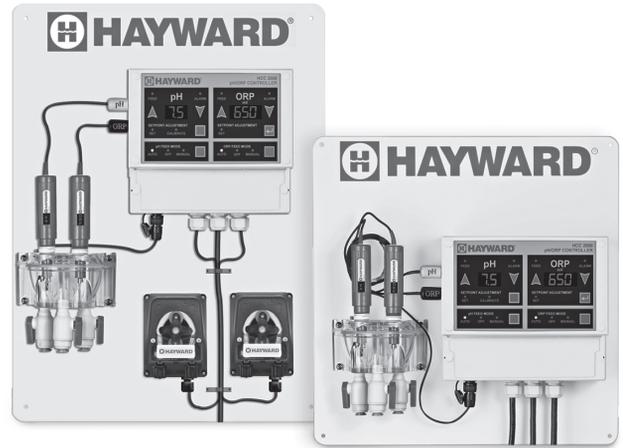
- » **Wireless design** can transmit an infinite amount of chemical reading data to the Hayward PoolComm app
- » **Comes completely assembled** for fast, easy installation
- » **Includes sensors and an in-line strainer** for additional protection
- » **Internally stores and displays** daily average chemical readings for up to 10 days
- » **Calculates derived free chlorine** and displays PPM
- » **1-year limited warranty** on controller and sensors
- » **NSF Certified**

PART NUMBERS	DESCRIPTION	CARTON	
		QTY	WEIGHT
HCC4000WIFI	HCC 4000 Hayward Chemistry Controller—pH and ORP—with Wi-Fi	1	15 lbs.
HCC4000WIFIAU	HCC 4000 Hayward Chemistry Controller—pH and ORP—with Wi-Fi and Gold ORP Sensor	1	15 lbs.



### HCC 2000 AUTOMATED PH/ORP CONTROLLER

The HCC 2000 Series are powerful yet affordable microprocessor-based pH/ORP controllers. The controllers feature proportional feed to ensure precise water chemistry and reduced maintenance. The HCC 2000 complete package is complemented by reliable chemical feed equipment, providing the ultimate one-stop-shop experience. This water chemistry controller package comes complete with flow cell, flow sensor and pre-mounted peristaltic feed pumps for pH and chlorine adjustment.



- » **Advanced microprocessor-based design** technology
- » **Comes with chemical feed equipment** compatible with all existing chemical feed systems: chlorine, bromine, electronic chlorine (salt) generators, acid and CO<sub>2</sub>
- » **Simple-to-operate user interface** with easy-to-read LED display
- » **Complete package offers** a total chemical automation system for easy installation and ultimate convenience
- » **1-year limited warranty** on controller and sensors
- » **NSF/ANSI Standard 50 Certified** (HCC 2000 only)

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCC2000	HCC 2000 pH and ORP Water Chemistry Controller	1	11.0
HCC2000-AU	HCC 2000 pH and ORP Controller with Gold ORP Sensor	1	11.0



COMMERCIAL AUTOMATION ACCESSORIES

PART NUMBER	PROBES AND PROBE ACCESSORIES
PR015-10	SENSOR-PH, 10' CABLE
PR015-2	SENSOR-PH, 2' CABLE
PR025-10	SENSOR-ORP, 10' CABLE
PR025-2	SENSOR-ORP, 2' CABLE
PR025-AU-10	SENSOR-GOLD, ORP, 10' CABLE - SALT WATER APPLICATIONS
PR025-AU-2	SENSOR-GOLD, ORP, 2' CABLE - SALT WATER APPLICATIONS
PR055-2	CONDUCTIVITY PROBE TDS/NACL- 2' CABLE - CAT 3500 & 5500
PR065	SENSOR ASSEMBLY, TDS, CAT 6000
PR075	SENSOR ASSEMBLY, CI, CAT 6000
PS001	PROBE-KIT, SAVER
AC0317	ADAPTOR, BNC SENSOR CONNECTOR
<b>CO2 CONTROL ACCESSORIES:</b>	
AC003	SYSTEM-RESIDENTIAL, CO <sub>2</sub> , PH
AC004	SYSTEM-STANDARD OUTPUT, CO <sub>2</sub>
AC005	SYSTEM-HIGH OUTPUT, CO <sub>2</sub>
AC006	SWITCHOVER-AUTO, CO <sub>2</sub>
<b>SOLENOID VALVES (EROSION FEEDERS &amp; AUTO-FILLS)</b>	
AC015	VALVE-BRASS, 110 VAC, 3/4 IN
AC018	VALVE-STAINLESS, 110 VAC, 3/8IN
<b>CHEMICAL FEED PUMPS (NO CHEM STORAGE VAT)</b>	
AC025	PUMP-PERI, VARIABLE OUTPUT, 50 GPD, 120V Cord
AC030	PUMP-PERI, FIXED OUTPUT, 50 GPD, 120V Cord
AC035	PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD, 120V Cord
<b>CHEMICAL FEED PUMP &amp; CHEMICAL TANK COMBO</b>	
PTC15	COMBO-15GAL TANK, PUMP-PERI, VARIABLE OUTPUT, 50 GPD
PTC30	COMBO-30GAL TANK, PUMP-PERI, VARIABLE OUTPUT, 50 GPD
AQL-CHEM4-ACID	PH DISPENSE ACID FEED SYS, 120V, PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD
AQL-CHEM4-CHLOR	LIQUID CHLORINE DISPENSE, 120V, PUMP-PERI, FIXED OUTPUT (BLUE), 6.5 TO 32 GPD
<b>COMPLETE CONTROLLER SAMPLE VESSEL KITS</b>	
AC063	PLASTIC MOLDED FLOWCELL COMPLETE KIT (STANDARD PACK & HCC CONTROLLERS)
AC065	PLASTIC MOLDED FLOWCELL COMP FOR CONDUCTIVITY SENSOR (STANDARD PACK, 3500 & 5500)
AC075	ACRYLIC FLOWCELL COMPLETE MACHINED, RFS (PROFESSIONAL PACKAGE)
AC080	ACRYLIC FLOWCELL COMP FOR CONDUCTIVITY SENSOR (PROFESSIONAL PACK, 3500 & 5500)
AC090	FLOW CELL-ASSEMBLD LESS SENSOR - CAT 6000
<b>TEMPERATURE SENSOR</b>	
AC316	TEMPERATURE SENSOR, CAT 5000
AC320	CBL, 15FT TEMP. SENSOR EXTENSION
AC325	CBL, 30FT TEMP.SENSOR EXTENSION

PART NUMBER	PROBES AND PROBE ACCESSORIES
<b>FLOW SENSOR</b>	
DF010	METER-FLOW,DIGITAL
DF015	CABLE-EXT, DIG FLOW METER, 15FT
DFE25	CABLE-EXT, DIG FLOW METER, 25FT
DF030	CABLE-EXT, DIG FLOW METER, 50FT
DFE50	CABLE-EXT, DIG FLOW METER, 30FT
<b>DIGITAL LEVEL SENSOR (WATER &amp; CHEMICAL LEVELS)</b>	
WL010	KIT-WATER LEVEL CONTROL
LS010	SENSOR-OPTICAL, LEVEL
LS020	KIT-LS010,TOP MOUNT
LSE25	CABLE-EXT, OPT FLOW SENSOR 25FT
LSE50	CABLE-EXT, OPT FLOW SENSOR 50FT
<b>COMMUNICATION ACCESSORIES</b>	
RA030W	ANTENNA, WIFI, REM, 2.5GH W/10FT CABLE
RA035C	ANTENNA, CELL, REM, PENTA W/10FT CABLE
RFK-C4000-CELL	CELL TRANSCVR RETROFIT-KIT W/NEW FW FOR CAT4000 CELL



\*COMPLETE PH CHEMICAL FEED SYSTEM (AQL-CHEM4- ACID)



\*\*STANDARD CO2 SYSTEM



## Commercial Sanitization

With our sanitization solutions, commercial pools and spas benefit from the clearest, safest water possible. Our Saline C® Series salt chlorine generators meet commercial demands while delivering the same natural comforts of salt chlorination so common in the residential market. Plus, you can pair our salt chlorinators and secondary disinfection systems with CAT Controllers® for a completely automated sanitization solution.

### HYDRORITE® UV COMMERCIAL ULTRAVIOLET SECONDARY AND SUPPLEMENTAL SYSTEMS

HydroRite UV from Hayward® Commercial Aquatics isn't just our most user-friendly sanitization system ever—it's also the most sophisticated pool sanitization product available.

HydroRite UV utilizes two separate ultraviolet wavelengths to create powerful germ-destroying hydroxyl radicals. And because it reduces demand for both energy and chloramine-producing chemicals, HydroRite UV is definitive solution for greater savings and the greatest swimmer comfort possible.



Certified to NSF/ANSI Standard 50



#### LOW-RISK INVESTMENT FOR HIGH-RISK ENVIRONMENTS.

- » **Supplemental and/or secondary disinfection** as recommended by the CDC Model Aquatic Health Code (MAHC)
- » **Reduces irritating chloramines 50% or more**, improving indoor air quality and swimmer comfort
- » **Reduces chemical demand 50% or more**, lowering operating costs and extending salt cell life
- » **Low-pressure UV bulbs** provide sterilization and oxidation with little or no impact on chlorine level
- » **Lightweight construction** uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance
- » **Intuitive, plug-and-play design** is easy to navigate and conserves energy with 120V power input
- » **Extended lamp life** rated for 13,000 hours, more than double the time for comparable medium-pressure systems

## STAY ON THE SAFEST SIDE OF SANITIZATION

High bather loads create higher bacteria levels—most left untreated by chlorine alone. As a proactive measure, the U.S. Centers for Disease Control has created the MAHC, which highly recommends the use of UV as a supplemental disinfectant treatment in every commercial pool. Hayward’s HydroRite UV ensures that commercial facilities stay on the cutting-edge of swimmer safety by using 3-log reduction—a standard set by the EPA—to reduce RWIs caused by *Cryptosporidium* and other harmful chlorine-resistant microorganisms.

## INSIDE THE VESSEL—BEHIND THE SCENES.

- ❶ Dual-wavelength amalgam lamps produce germicidal UV.
- ❷ The treated water is exposed to **ultraviolet rays** that inactivate algae, bacteria and viruses.
- ❸ The germicidal UV creates hydroxyl free radicals (which have more oxidation potential than ozone) in a process known as **Advanced Oxidation Process (AOP)**.

NSF-50 CERTIFIED MODELS FOR SUPPLEMENTAL DISINFECTION		CRYPTO CERTIFIED MODELS FOR SECONDARY DISINFECTION	
PART NUMBER	MAX FLOW RATE (GPM)	PART NUMBER	MAX FLOW RATE (GPM)
HYR75	Up to 61	HYR75L4	Up to 58
HYR150	Up to 150	HYR150L4	Up to 126
HYR400	Up to 350	HYR400L4	Up to 333



**SUPPLEMENTAL DISINFECTION SYSTEMS**

**TECHNICAL SPECIFICATIONS**

PART NUMBER	HYR75	HYR150	HYR400
Sanitization	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	17" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40°F to 104°F	40°F to 104°F	40°F to 104°F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 61 GPM	Up to 150 GPM	Up to 350 GPM
Installation Environment	Indoor/outdoor use	Indoor/outdoor use	Indoor/outdoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months



SECONDARY DISINFECTION SYSTEMS

TECHNICAL SPECIFICATIONS

PART NUMBER	HYR75L4	HYR150L4	HYR400L4
Sanitization	>3-log removal of <i>Cryptosporidium Protozoa</i> , <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium Protozoa</i> , <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium Protozoa</i> , <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	21" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40°F to 104°F	40°F to 104°F	40°F to 104°F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 58 GPM	Up to 126 GPM	Up to 333 GPM
Installation Environment	Indoor use	Indoor use	Indoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months
Display	Touch menu driven with m <sup>2</sup> or mW/cm <sup>2</sup> UV intensity	Touch menu driven with m <sup>2</sup> or mW/cm <sup>2</sup> UV intensity	Touch menu driven with m <sup>2</sup> or mW/cm <sup>2</sup> UV intensity
Operating Measurements	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature
Auxiliary Relay	Low voltage dry contact alarm relay – NO/NC/COM	Low voltage dry contact alarm relay – NO/NC/COM	Low voltage dry contact alarm relay – NO/NC/COM

\*\*Excluding lamps, quartz sleeves and stainless steel insert

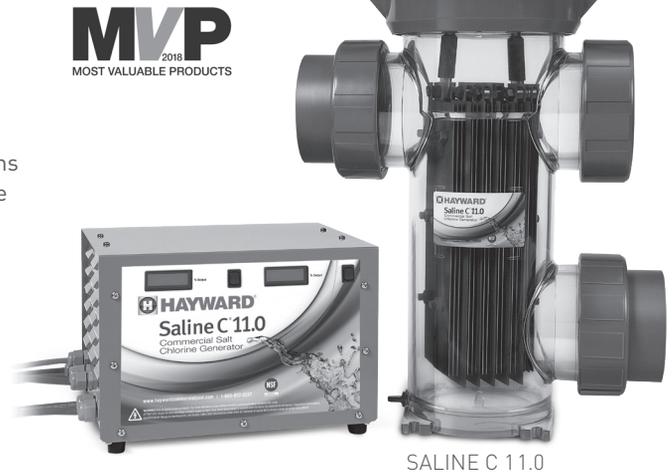


## COMMERCIAL SALT CHLORINE GENERATORS

The Saline C® Series of electronic chlorine generators provides an elegant, rugged solution specifically designed to meet the demands of commercial installation. The new Saline C 11.0 model is capable of generating 11 lbs. of chlorine per day, complementing the current Saline C 6.0, which is capable of generating 6 lbs per day. Both systems deliver all of the benefits of salt chlorination without the wasted space and extra cost of multiplexing multiple residential units.

### SALINE C SERIES

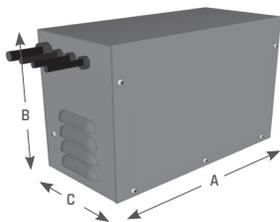
- » **High-output compact single cell and single power supply options** provide the perfect solution for virtually any pool or regulatory requirement
- » **Compact design** with single electrolytic cell
- » **110V plug-in** efficient switch mode power supply
- » **Industrial-grade, clear vessel** for easy inspection
- » **Plug N' Play** chemical automation
- » **Reduce chloramines** and associated odors/corrosion
- » **Simple, low-cost installation** vs. multi-cell alternatives
- » **NSF Certified/ANSI Standard 50 Certified**
- » **2-year limited warranty**



SALINE C 11.0

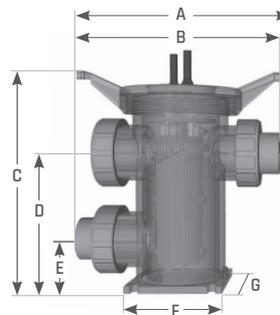


SALINE C 6.0



### POWER SUPPLY DIMENSIONS

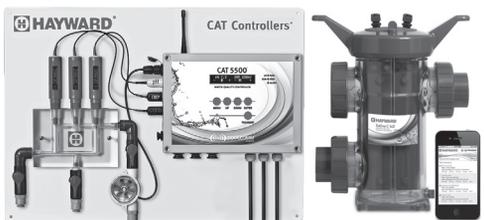
	SALINE C 6.0	SALINE C 11.0
A	12"	12.75"
B	8"	8"
C	5.625"	11.125"



### VESSEL DIMENSIONS

	SALINE C 6.0	SALINE C 11.0
A	13.5"	16.06"
B	12.875"	15.56"
C	15.75"	22.42"
D	9.5"	14.83"
E	3.25"	4.83"
F	6"	6"
G	6"	6"

### TRY IT WITH



For total efficiency and maximum control, **HydroRite® UV** is the perfect complement to **Saline C Series** salt chlorine generators and our pH/ORP CAT Controllers®, like the new **CAT 5500®**. When these products are installed together, this complete sanitization system becomes an advanced automated water quality solution. Connect with **PoolComm®** to enjoy effortless remote monitoring (now including conductivity/NaCl) and audit tracking.

**SALINE C® SERIES TECHNICAL SPECIFICATIONS**

PART NUMBER	HCSC60	HCSC110
Power Supply Dimensions	12" W x 8" H x 5.625" D	12.75" W x 8" H x 11.125" D
Vessel Dimensions	13.5" W x 15.75" H x 6" D	16.06" W x 22.42" H x 9.28" D
Certifications	UL1081, CSA C22, NSF/ANSI 50	UL1081, CSA C22, NSF/ANSI 50
LCD Display	Output adjustable 0 - 100%	{2} Output adjustable 0 - 100%
Flow Sensor	2" Magnetic with embedded reed switch	4" Magnetic with embedded reed switch
Power Input (Power Supply)	USA: 5.0 amps, 120V/60Hz International: 4.0 amps, 230V/50Hz	USA: 10.0 amps, 120V/60Hz International: 8.0 amps, 230V/50Hz
ORP Input	Cord with male pigtail connected (supplied blue cord)	Cord with male pigtail connected (supplied blue cord)
Vessel Rated Pressure	50 psi	50 psi
Housing Inlet/Outlet	2" Union inlet/outlet	4" Union inlet/outlet
Reaction Chamber Style	Clear plastic	Clear plastic
Flow Required	40 GPM through cell to achieve rated production	80 GPM through cell to achieve rated production
Maximum Flow Rate	125 GPM	250 GPM
Salt Operating Range	3,500 - 5,000 ppm	3,500 - 5,000 ppm
Electrode Stack	Reverse polarity 4mm plate gap	Reverse polarity 4mm plate gap
Rated Production Capacity	5.0 lbs @ 3,500 ppm* 6.0 lbs @ 5,000 ppm*	9.2 lbs @ 3,500 ppm** 10.8 lbs @ 5,000 ppm**
Safety System	5 GPM low flow shutoff Low salt indicator Low salt shutoff (2500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection	5 GPM low flow shutoff Low salt indicator Low salt shutoff (2500-3,000 ppm) Over voltage and over current protection Conformal coated electronics for environmental protection
Warranty	2-year warranty Warranty pro-rated on electrode stack 18-month warranty on salt cells	2-year warranty 2-year warranty on power supply (Saline C 11.0 only) 1-year full warranty and 2-years pro-rated on electrode stack 18-month warranty on salt cells 18 month warranty on salt cells

**ACCESSORIES**

PART NUMBER	DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)
HCSJBOX-BU****	Junction Box for Sanitizer Back-up	1	3.0
HCSCECK15	15' Cell to Power Supply - Extension Cable Kit	1	5.0
HCSCECF515	15' Flow Sensor to Power Supply - Extension Cable Kit	1	5.0



\*\*\*\* JUNCTION BOX

\*NSF Certified at 5 lbs. per day at 3500 ppm.

\*\*NSF Certified at 9.2 lbs. per day at 3500 ppm.

\*\*\*For use with Saline C 6.0 only. Saline C 11.0 kits coming soon.



[HAYWARD.COM/SALINECVIDEO](http://HAYWARD.COM/SALINECVIDEO)

Watch the power of Saline C Series

# Commercial Cleaners

Hayward® Commercial Aquatics offers commercial cleaners ideal for the Class B/HMAC recreational water market. Our TigerShark™ 2 is designed for durability and backed by a nationwide network of factory-authorized service centers.

## TIGERSHARK 2

- » **On-board computer** calculates pool size and most efficient cleaning pattern
- » **Preset 7-hour clean cycle** automatically turns off when done
- » **Powerful on-board pumps** vacuum dirt and debris
- » **Scours pool bottom, walls, inclines and steps** for a complete clean
- » **Patented easy-clean removable cartridge** can be rinsed with a garden hose

Parts Section on page 466.



### SPECIFICATIONS

Part Number	RC9956GRCC	Cord Length	100'
Rec. Pool Size	Up to 30' x 60'	Voltage	120V/60Hz
Gallons Circulated	4500 GPH	Height/Width/Length	11" x 16" x 16"
Filter Micron Porosity/Area	5/1000 in. <sup>2</sup>	Caddy Cart	Included
Motor System	Non-oil filled, microprocessor	Carton Quantity	1
Cleaning Speed	55 ft. <sup>2</sup> /minute	Carton Weight (lbs.)	44.0
Dual-Mode Cleaning Cycles	7-hours bottom, wall and waterline	Warranty	2-year limited warranty
Recurring Cleaning Cycle	Not Available	Sensors	N/A



# AMBIANCE AND COMFORT

THE MOST EFFICIENT WAYS TO SET THE MOOD AND EXTEND THE POOL SEASON.

The best commercial pools are the ultimate haven for your customers and guests. From lighting to heating, Hayward® turns an everyday swim into an unforgettable experience. Our industry-leading heaters excel in long-lasting performance and unmatched energy efficiency, while our lighting options change the game completely. Whether you're looking for vibrant color-saturated light shows or the brightest-in-the-industry white LED lighting, Hayward saves you up to 86% on energy costs—without sacrificing an ounce of brilliance. You provide the swimmers, we'll provide the memories. It's the Hayward way.



# Commercial Lighting

Hayward Commercial Aquatics gives you brilliant, versatile lighting options for both new construction and remodels to transform any body of water. First to be UL Listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic® white LED and Universal ColorLogic® lighting are designed with industry-leading technology to cut operation costs and deliver unparalleled performance. CrystaLogic and ColorLogic 320 accent lights provide total coordination of all water environments by putting smaller pool and spa features in the spotlight.



## LIGHTING MADE EASY. THE NEXT EVOLUTION OF LIGHTING.

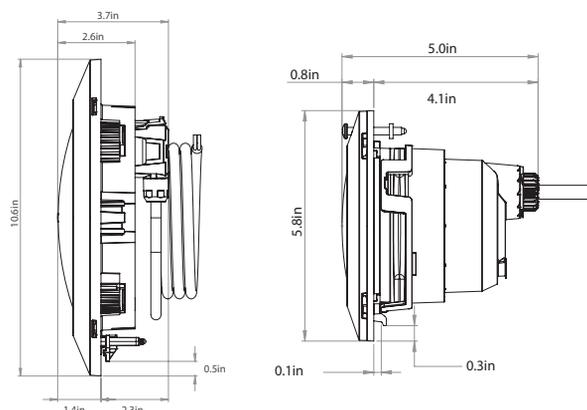
Universal CrystaLogic® (UCL) White LED Pool and Spa Lights deliver bright, longer-lasting LED lighting for commercial pools and spas. They represent breakthrough technology for the illumination for any feature or body of water. First to be UL Listed to retrofit virtually all existing manufacturers' niches, Universal CrystaLogic® White LED Lighting is designed to drastically reduce operation costs and deliver unparalleled performance.

- » **Targeted light distribution** prevents glare from above while also enhancing the distance of the light, creating a uniformly illuminated environment.
- » **Totally encapsulated electronics** for next-level durability that ensures your light can withstand even the harshest conditions, making it ideal for any environment.
- » **Industry-first adjustable lower catch** simplifies installation with the ability to overcome variations in plaster thickness.
- » **Design flexibility** the detachable cord and stainless steel trim provide lighting options that ensure easy installation and service.

### TECHNICAL SPECIFICATIONS

PART NUMBER	EQ WATTAGE/ LUMENS	COLOR TEMP	POOL OR SPA LIGHT	VOLTAGE	CORD LENGTH (FT.)
LSLUS22030	100/1118	6500K	Spa	12-15	30
LSLUS22050	100/1118	6500K	Spa	12-15	50
LSLUS22100	100/1118	6500K	Spa	12-15	100
LSLUS22150	100/1118	6500K	Spa	12-15	150
LPLUS22030	300/3740	6500K	Pool	12-15	30
LPLUS22050	300/3740	6500K	Pool	12-15	50
LPLUS22100	300/3740	6500K	Pool	12-15	100
LPLUS22150	300/3740	6500K	Pool	12-15	150
LPWUS22030	500/5168	6500K	Pool	12-15	30
LPWUS22050	500/5168	6500K	Pool	12-15	50
LPWUS22100	500/5168	6500K	Pool	12-15	100
LPWUS22150	500/5168	6500K	Pool	12-15	150

### DIMENSIONS



### CRYSTALOGIC® 320 AND 160 WHITE LED LIGHTS

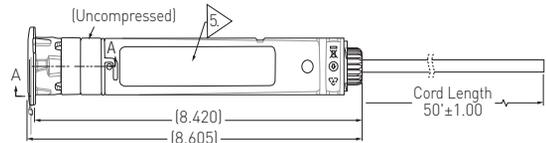
CrystaLogic 320 & 160 lights provide an elegant solution for commercial swimming pool and spa lighting. They can also illuminate smaller features or landscapes, bringing brilliance to areas that are difficult to reach with traditional lighting. The easiest 1.5-inch lights to install, at just 4 inches below waterline and in as little as 8 inches of PVC conduit, our 320 & 160 lights are ideal for steps, water features, jets, bubblers, baja shelves, fountains, spray/splash pads, landscape features and more.



- » **Allow for total coordination** of all water environments
- » **Easiest 1.5-inch lights to install** at just 4 inches below waterline in any depth of water and in as little as 9 inches of PVC conduit
- » **Ideal for commercial pool/spa lighting** or lighting steps, water features, baja shelves, bubblers, spray/splash pads and more
- » **Can be installed** in dry/landscape applications
- » **Last 10 times longer** than incandescent lights
- » **Available in two brightness levels** with multiple cord lengths
- » **Vinyl, fiberglass, and concrete** low-profile installations
- » **UL Listed** for safe floor or wall installation
- » **1-year limited warranty**

#### DIMENSIONS FOR STANDARD SWITCHED OR HAYWARD® AUTOMATION NETWORKED LIGHTS

##### STANDARD SWITCHED LIGHTS



#### SPECIFICATIONS

STANDARD SWITCHED LIGHTS		EQUIVALENT BRIGHTNESS	LUMENS	CORD LENGTH (FT.)
LAWUS11030	High Lumen CrystaLogic 320 12V Lights	100W	1100	30
LAWUS11050				50
LAWUS11100				100
LAWUS11150				150

ACCESSORIES FOR UNIVERSAL CRYSTALOGIC®, UNIVERSAL COLORLOGIC,  
CRYSTALOGIC/COLORLOGIC 320 AND 160 AND COLORLOGIC 80 & 40 LIGHTS

J-BOX TRANSFORMER RETROFIT KIT

PART NUMBER	KITS	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LRBUY11P65	Pentair®	70W
LRBUY11T65	Thermocraft®	70W



UCL CONCRETE NICHE

PART NUMBER	DESCRIPTION	APPROVED LIGHT	POOL OR SPA
LFGUY1000	Non-Bonded, Non-Grounded Low-Profile Plastic Pool Niche for Concrete Pools	Universal ColorLogic and CrystaLogic	Pool
LGGUY1000	Non-Bonded, Non-Grounded Plastic Spa Niche for Concrete Spas	Universal ColorLogic and CrystaLogic	Spa



ACCESSORIES FOR HAYWARD AUTOMATION NETWORKED LIGHTS

PART NUMBER	DESCRIPTION
LKBUN1000	Works with ColorLogic Networked Lights Only
LKCUS1100	ColorLogic Light Controller Stand-Alone



INSTALLATION TOOL INCLUDED  
SKU #SP0536CTOOL

J-BOX & WALL-MOUNT POOL LIGHTING TRANSFORMERS

PART NUMBER	TRANSFORMER	WATTS
LTBUY11H70	Hayward	70W
LTBUY11H14	Hayward	140W
LTBUY11300	Hayward	300W
25036	J&J Electronics	100W



LTBUY11300 WALL-MOUNT TRANSFORMER



LTBUY11H14 ABLE TO SUPPORT TWO LIGHTS

[HAYWARD.COM/NICHECALCULATOR](http://HAYWARD.COM/NICHECALCULATOR)

Calculate per-niche savings when using a UCL Thin Niche

# Lighting Overview



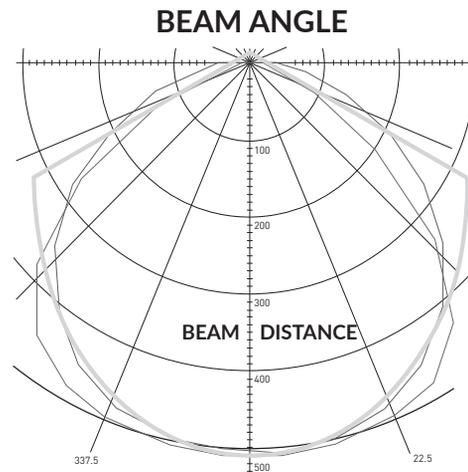
## MINIMUM ILLUMINANCE

- » Depending on the local health code, incandescent lights were historically required to provide 0.5 or 1 watt per square foot of pool surface area
- » Today, most health departments and the Model Aquatic Health Code suggest 8-9 lumens per square foot
- » This value only applies to lights using a **white** wavelength



## LIGHTING PLACEMENT

- » **Beam pattern:** The angular spread of light emitted from the fixture
- » The beam pattern is measured between points on opposite sides of the beam axis where the intensity drops to 50% of maximum power
- » X-axis: Horizontal spread
- » Y-axis: Vertical spread



## CALCULATE NUMBER OF LIGHTS NEEDED

$$\text{Number of Lights} = \frac{\text{Pool Surface Area} \times 8 \text{ Lumens}}{\text{Lumen Output of Light}}$$

### LIGHTING TRANSFORMER DATA

PRODUCT	PART NUMBER	WATTS	MAX LIGHTS PER 70W J-BOX TRANSFORMER	MAC LIGHTS PER 140W (2/70) TRANSFORMER	MAX LIGHTS PER 300W TRASFORMER (USE 14V)	AMPS
1.5" ColorLogic 320	LACUS	23	3	5	6	1.64
1.5" ColorLogic 180	LYCUS	13	3	5	6	0.93
0.5" ColorLogic 80	LMCUS	2.6	8	12	15	0.2
0.5" ColorLogic 40	LNCUS	1.3	15	20	25	0.1
ColorLogic 80 & 40 Driver (Up to 5 lights per driver)	LMCUSPS	13 (80s)	2 Drivers (10 Lights)	4 (2 +2 Drivers) (20 Lights)	13 Drivers (65 Lights)	1 (80s)
		6.5 (40s)				0.5 (40s)
UCL CrystaLogic® Pool Light (500W Equivalent)	LPWUS	70	1	2	3	5.4
UCL CrystaLogic Pool Light (300W Equivalent)	LPLUS	70	1	2	3	5
UCL CrystaLogic Pool Light (100W Equivalent)	LSLUS	35	1	2	6	2.5
1.5" CrystaLogic 320	LAWUS	25	2	5	6	1.78
1.5" CrystaLogic 160	LYWUS	15	3	5	6	1.07

## TRY IT WITH



For added efficiency and control, **OmniHub® Smart Pool & Spa Control** is the perfect complement to **Hayward® lighting and water features.** OmniHub installs in just a few hours and is compatible with existing equipment, providing commercial pool operators with a simple way to change lighting colors, set themes, control water features and more—right from a smartphone.

\*OmniHub is only compatible with select commercial pools.

# J&J PureWhite Pool & Spa Fixtures & Lamps

## THE STANDARD IN WHITE LED LIGHTING

J&J Electronics™ PureWhite® Pool & Spa Lamps and Fixtures have grown to become industry-leading, trusted brands in the commercial pool marketplace nationwide. PureWhite® LED light fixtures and lamps offer unmatched brightness and energy efficiency for pool and spa lighting. Utilizing high performance Cool White LEDs, the appearance of pool water is improved by producing brilliant, natural looking light; making PureWhite® fixtures and lamps the perfect choice.

### PureWhite Fixture Advantages:

- » 100W-500W standard incandescent equivalent
- » Zero Pixelation Lens
- » Heavy Duty 316 Stainless Steel construction

### PureWhite Lamp Advantages:

- » Reduces energy consumption up to 90%
- » Cool white light enhances pool water appearance
- » Compatible with most manufacturers' fixtures



### PUREWHITE VU BUYING GUIDE

MODEL NUMBER	DESCRIPTION	VOLTAGE	CCT	CORD LENGTH	CARTON QUANTITY	CARTON WEIGHT
<b>12V PureWhite LED</b>						
25050	LPL-R2W-12-50	12V	6500K	50'	1	3.5 lbs.
25051	LPL-R2W-12-100	12V	6500K	100'	1	6 lbs.
25052	LPL-R2W-12-150	12V	6500K	150'	1	9.5 lbs.

The J&J Electronics VU 1.5" nicheless pool and spa fixtures are also available as part of the PureWhite® fixture series. These versatile fixtures easily retrofit into most 1.5" wall fittings.

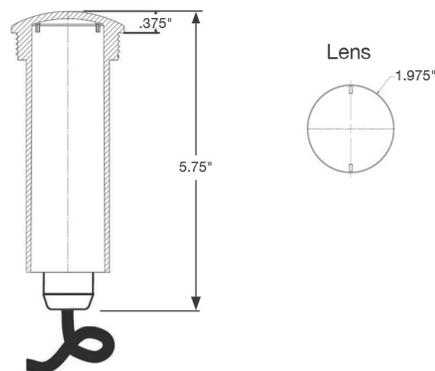
### Features

- » Easy installation; fits in most manufacturers 1/2" wall fittings
- » 4" minimum water depth



PureWhite VU

### OVERALL DIMENSIONS (INCHES)



## PUREWHITE LED POOL LIGHTS BUYING GUIDE

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
<b>PureWhite® LED Pool Fixture "500W Equivalent"</b>							
21070	LPL-F5W-120-30-P	4,500	120	6500K	30'	1	10.5 lbs.
21071	LPL-F5W-120-50-P	4,500	120	6500K	50'	1	13 lbs.
21081	LPL-F5W-120-100-P	4,500	120	6500K	100'	1	20 lbs.
21069	LPL-F5W-120-150-P	4,500	120	6500K	150'	1	22.5 lbs.
21000	LPL-F5W-120-200-P	4,500	120	6500K	200'	1	26.5 lbs.
21026	LPL-F5W-12-30-P	4,500	12	6500K	30'	1	15 lbs.
21068	LPL-F5W-12-50-P	4,500	12	6500K	50'	1	17.5 lbs.
21025	LPL-F5W-12-100-P	4,500	12	6500K	100'	1	20.5 lbs.
21157	LPL-F5W-12-150-P	4,500	12	6500K	150'	1	24.5 lbs.
21163	LPL-F5W-120-30-P27	4,150	120	2700K	30'	1	10.5 lbs.
21164	LPL-F5W-120-50-P27	4,150	120	2700K	50'	1	13.5 lbs.
21149	LPL-F5W-120-100-P27	4,150	120	2700K	100'	1	18 lbs.
21165	LPL-F5W-120-150-P27	4,150	120	2700K	150'	1	22.5 lbs.
21166	LPL-F5W-120-200-P27	4,150	120	2700K	200'	1	26.5 lbs.
21153	LPL-F5W-120-300-P27	4,150	120	2700K	300'	1	34 lbs.
21167	LPL-F5W-12-30-P27	4,150	12	2700K	30'	1	15 lbs.
21168	LPL-F5W-12-50-P27	4,150	12	2700K	50'	1	17 lbs.
21169	LPL-F5W-12-100-P27	4,150	12	2700K	100'	1	20.5 lbs.
21170	LPL-F5W-12-150-P27	4,150	12	2700K	150'	1	24.5 lbs.
<b>PureWhite LED Pool Fixture "400W Equivalent"</b>							
21078	LPL-F3W-120-30-P	3,900	120	6500K	30'	1	10 lbs.
21079	LPL-F3W-120-50-P	3,900	120	6500K	50'	1	13.5 lbs.
21075	LPL-F3W-120-100-P	3,900	120	6500K	100'	1	18 lbs.
21076	LPL-F3W-120-150-P	3,900	120	6500K	150'	1	22.5 lbs.
21077	LPL-F3W-120-200-P	3,900	120	6500K	200'	1	26.5 lbs.
24273	LPL-F3W-120-300-P	3,900	120	6500K	300'	1	34 lbs.
21073	LPL-F3W-12-30-P	3,900	12	6500K	30'	1	15 lbs.
21074	LPL-F3W-12-50-P	3,900	12	6500K	50'	1	17.5 lbs.
21024	LPL-F3W-12-100-P	3,900	12	6500K	100'	1	20.5 lbs.
21120	LPL-F3W-12-150-P	3,900	12	6500K	150'	1	24.5 lbs.
21147	LPL-F3W-120-30-P27	2,991	120	2700K	30'	1	10.5 lbs.
21044	LPL-F3W-120-50-P27	2,991	120	2700K	50'	1	13.5 lbs.
21043	LPL-F3W-120-100-P27	2,991	120	2700K	100'	1	18 lbs.
21142	LPL-F3W-120-200-P27	2,991	120	2700K	200'	1	26.5 lbs.
21011	LPL-F3W-12-30-P27	2,991	12	2700K	30'	1	15 lbs.
21183	LPL-F3W-12-50-P27	2,991	12	2700K	50'	1	17.5 lbs.
21023	LPL-F3W-12-100-P27	2,991	12	2700K	100'	1	20.5 lbs.
21184	LPL-F3W-12-150-P27	2,991	12	2700K	150'	1	24.5 lbs.
<b>Watt PureWhite LED Pool Fixture "300W Equivalent"</b>							
21078	LPL-F1W-120-30-P	2,400	120	6500K	30'	1	10.5 lbs.
21079	LPL-F1W-120-50-P	2,400	120	6500K	50'	1	13.5 lbs.
21075	LPL-F1W-120-100-P	2,400	120	6500K	100'	1	18 lbs.
21076	LPL-F1W-120-150-P	2,400	120	6500K	150'	1	22.5 lbs.
21077	LPL-F1W-120-200-P	2,400	120	6500K	200'	1	26.5 lbs.
24273	LPL-F1W-120-300-P	2,400	120	6500K	300'	1	34 lbs.
21073	LPL-F1W-12-30-P	2,400	12	6500K	30'	1	12 lbs.
21074	LPL-F1W-12-50-P	2,400	12	6500K	50'	1	13.24 lbs.
21024	LPL-F1W-12-100-P	2,400	12	6500K	100'	1	20 lbs.
21120	LPL-F1W-12-150-P	2,400	12	6500K	150'	1	26.6 lbs.
21200	LPL-F1W-120-30-P27	1,840	120	2700K	30'	1	10.5 lbs.

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
<b>39-Watt PureWhite LED Pool Fixture (cont.) "100W Equivalent"</b>							
21132	LPL-F1W-120-50-P27	1,840	120	2700K	50'	1	13.5 lbs.
21130	LPL-F1W-120-100-P27	1,840	120	2700K	100'	1	18 lbs.
21201	LPL-F1W-120-150-P27	1,840	120	2700K	150'	1	22.5 lbs.
21202	LPL-F1W-120-200-P27	1,840	120	2700K	200'	1	26.5 lbs.
21203	LPL-F1W-120-300-P27	1,840	120	2700K	300'	1	34 lbs.
21146	LPL-F1W-12-30-P27	1,840	12	2700K	30'	1	15 lbs.
21150	LPL-F1W-12-50-P27	1,840	12	2700K	50'	1	17 lbs.
21158	LPL-F1W-12-100-P27	1,840	12	2700K	100'	1	20.5 lbs.
21204	LPL-F1W-12-150-P27	1,840	12	2700K	150'	1	22.5 lbs.



**PUREWHITE® LED POOL LIGHTS FOR SWIMQUIP NICHES**

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
<b>87-Watt PureWhite® LED Pool Fixture for SwimQuip Niches 500W Equivalent</b>							
21127	LPL-F5W-120-30-PSQ	4,500	120	6500K	30'	1	10.5 lbs
21083	LPL-F5W-120-50-PSQ	4,500	120	6500K	50'	1	13.5 lbs
21084	LPL-F5W-120-100-PSQ	4,500	120	6500K	100'	1	18 lbs
21086	LPL-F5W-120-150-PSQ	4,500	120	6500K	150'	1	22.5 lbs
21154	LPL-F5W-120-200-PSQ	4,500	120	6500K	200'	1	26.5 lbs.
21219	LPL-F5W-120-300-PSQ	4,500	120	6500K	300'	1	34 lbs.
21012	LPL-F5W-12-30-PSQ	4,500	12	6500K	30'	1	15 lbs.
21143	LPL-F5W-12-50-PSQ	4,500	12	6500K	50'	1	17.5 lbs.
21021	LPL-F5W-12-100-PSQ	4,500	12	6500K	100'	1	20.5 lbs.
21159	LPL-F5W-12-150-PSQ	4,150	12	2700K	150'	1	24.5 lbs.
<b>58-Watt PureWhite® LED Pool Fixture for SwimQuip Niches 300W Equivalent</b>							
21121	LPL-F3W-120-30-PSQ	3,900	120	6500K	30'	1	10.5 lbs.
21053	LPL-F3W-120-50-PSQ	3,900	120	6500K	50'	1	13.5 lbs.
21048	LPL-F3W-120-100-PSQ	3,900	120	6500K	100'	1	18 lbs.
21062	LPL-F3W-120-150-PSQ	3,900	120	6500K	150'	1	22.5 lbs.
21082	LPL-F3W-120-200-PSQ	3,900	120	6500K	200'	1	26.5 lbs.
21156	LPL-F3W-120-300-PSQ	3,900	120	6500K	300'	1	34 lbs.
21126	LPL-F3W-12-30-PSQ	3,900	12	6500K	30'	1	15 lbs.
21030	LPL-F3W-12-50-PSQ	3,900	12	6500K	50'	1	17.5 lbs.
21131	LPL-F3W-12-100-PSQ	3,900	12	6500K	100'	1	20.5 lbs.
21014	LPL-F3W-12-150-PSQ	3,900	12	6500K	150'	1	24.5 lbs.
<b>39-Watt PureWhite® LED Pool Fixture for SwimQuip Niches 100W Equivalent</b>							
21122	LPL-F1W-120-30-PSQ	2,400	120	6500K	30'	1	10.5 lbs.
21064	LPL-F1W-120-50-PSQ	2,400	120	6500K	50'	1	13.5 lbs.
21195	LPL-F1W-120-100-PSQ	2,400	120	6500K	100'	1	18 lbs.
21015	LPL-F1W-120-150-PSQ	2,400	120	6500K	150'	1	22.5 lbs.
21196	LPL-F1W-120-200-PSQ	2,400	120	6500K	200'	1	26.5 lbs.
21197	LPL-F1W-120-300-PSQ	2,400	120	6500K	300'	1	34 lbs.
21123	LPL-F1W-12-30-PSQ	2,400	12	6500K	30'	1	15 lbs.
21136	LPL-F1W-12-50-PSQ	2,400	12	6500K	50'	1	17.5 lbs.
21047	LPL-F1W-12-100-PSQ	2,400	12	6500K	100'	1	20.5 lbs.
21046	LPL-F1W-12-150-PSQ	2,400	12	6500K	150'	1	24.5 lbs.

J&J Electronics™ PureWhite LED Pool and Spa Light Fixtures provide an LED lighting alternative to inefficient incandescent lamps for installations requiring a wet niche fixture. They significantly reduce energy consumption and maintenance costs. Plus, all PureWhite LED Pool and Spa Light Fixtures feature a superior rugged construction that is unmatched in the industry.

**Features**

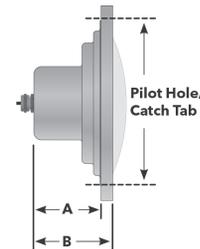
- » Uses less energy – up to 90%\*
- » Lasts up to 50,000 hours – 20x longer life\*\*
- » Enhances pool water appearance – looks clearer and cleaner
- » Enhances dark finish pools - commercial and residential
- » Installs easily – compact fixture depth allows bottom catch visibility from pool deck

**NOTES:** \*HI Series compared to incandescent lamps  
\*\*Compared to incandescent lamps



PureWhite LED Pool Light

**OVERALL DIMENSIONS (INCHES)**



	LPL-F2C (Pool)
A	3.4"
B	3.9"
Lens Diameter	6.0"
Faceplate Diameter	10.5"
Pilot Hole/Catch Tab	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

**NOTE:** \*J&J's faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

**PUREWHITE LED POOL LIGHTS FOR SWIMQUIP NICHES**

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
<b>13-Watt PureWhite LED Spa Fixture 100W Equivalent</b>							
21100	LPL-S1W-120-30-P	500	120	6500K	30'	1	7.5 lbs.
21091	LPL-S1W-120-50-P	500	120	6500K	50'	1	10 lbs.
21101	LPL-S1W-120-100-P	500	120	6500K	100'	1	13.5 lbs.
21102	LPL-S1W-120-150-P	500	120	6500K	150'	1	17.6 lbs.
21106	LPL-S1W-12-30-P	500	12	6500K	30'	1	7.5 lbs.
21107	LPL-S1W-12-50-P	500	12	6500K	50'	1	10.5 lbs.
21108	LPL-S1W-12-100-P	500	12	6500K	100'	1	14 lbs.
21051	LPL-S1W-12-150-P	500	12	6500K	150'	1	18.1 lbs.
21137	LPL-S1W-120-30-P27	400	120	2700K	30'	1	7.5 lbs.
21139	LPL-S1W-120-50-P27	400	120	2700K	50'	1	10 lbs.
21029	LPL-S1W-120-100-P27	400	120	2700K	100'	1	13.5 lbs.
21148	LPL-S1W-120-150-P27	400	120	2700K	150'	1	17.6 lbs.
21020	LPL-S1W-12-30-P27	400	12	2700K	30'	1	7.5 lbs.
21018	LPL-S1W-12-50-P27	400	12	2700K	50'	1	10.5 lbs.
21141	LPL-S1W-12-100-P27	400	12	2700K	100'	1	14 lbs.
21145	LPL-S1W-12-150-P27	400	12	2700K	150'	1	18.1 lbs.

J&J Electronics PureWhite LED Pool and Spa Light Fixtures provide an LED lighting alternative to inefficient incandescent lamps for installations requiring a wet niche fixture. They significantly reduce energy consumption and maintenance costs. Plus, all PureWhite LED Pool and Spa Light Fixtures feature a superior rugged construction that is unmatched in the industry.

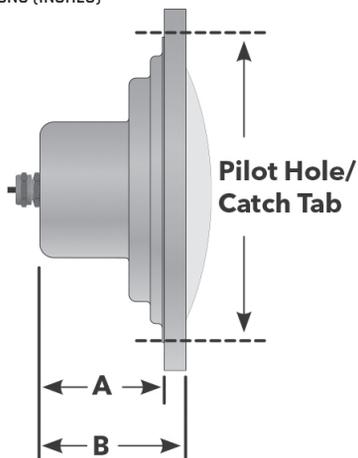
**Features**

- » Uses less energy – up to 90%\*
- » Lasts up to 50,000 hours – 20x longer life\*\*
- » Enhances pool water appearance – looks clearer and cleaner
- » Enhances dark finish pools – commercial and residential
- » Installs easily – compact fixture depth allows bottom catch visibility from pool deck

**NOTES:** \*HI Series compared to incandescent lamps  
 \*\*Compared to incandescent lamps



**OVERALL DIMENSIONS (INCHES)**



	<b>LPL-F2C (Spa)</b>
A	2.9"
B	3.5"
Lens Diameter	2.9"
Faceplate Diameter	5.7"
<b>Pilot Hole/Catch Tab</b>	
Standard Fixture Version	9 1/2" Center-to-Center
SwimQuip Fixture Version*	8" Center-to-Center

**NOTE:** \*J&J Electronics faceplate diameter is larger than the standard SwimQuip faceplate. Ensure there is enough even surface for fixture faceplate to fit flat against pool wall.

**PureWhite LED Pool Light**

**PUREWHITE® LED POOL LIGHTS FOR SWIMQUIP NICHES**

MODEL NUMBER	DESCRIPTION	TYPE	PEAK LUMENS	VOLTAGE	CCT	CTN. QTY.	CTN. WEIGHT
<b>PureWhite-Pro LED Pool and Spa Lamps</b>							
26610	LPL-PR2-CW-120	Pool	3150	120	6500	1	28.5 lbs.
26611	LPL-PR2-WW-120	Pool	2800	120	2700	1	28.5 lbs.
26612	LPL-PR2-CW-12	Pool	3150	12	6500	1	28 lbs.
26613	LPL-PR2-WW-12	Pool	2800	12	2700	1	28 lbs.
26710	LPL-M2-CW-120	Spa	1300	120	6500	1	17 lbs.
26711	LPL-M2-WW-120	Spa	1175	120	2700	1	17.5 lbs.
26712	LPL-M2-CW-12	Spa	1300	12	6500	1	18 lbs.
26713	LPL-M2-WW-12	Spa	1175	12	2700	1	17.5 lbs.
26810	LPL-PRH0-CW-120	Pool	4320	120	6500	1	27 lbs.
26811	LPL-PRH0-WW-120	Pool	4030	120	2700	1	28.5 lbs.

**PureWhite-Pro LED Pool and Spa Lamps with Guardian Gasket**

26029	LPL-PR-WHT-12	Pool	1500	12	6500	1	1 lb.
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MODEL NUMBER	DESCRIPTION	TYPE	CTN. QTY.	CTN. WEIGHT
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**Silicone Lens Gasket for Pentair®, Hayward®, and StaRite® Light Fixtures**

26041	LPL-G-P	Guardian Silicone Lens Gasket-Pool-Pentair Amerlite	1	1 lb.
26046	LPL-G-H	Guardian Silicone Lens Gasket-Pool-Hayward Astrolite™	1	1 lb.
26040	LPL-G-S	Guardian Silicone Lens Gasket-Pool-Starite Swimquip	1	1 lb.
26039	LPL-M-G-P	Guardian Silicone Lens Gasket-Spa-Pentair SpaBrite and Aqualight	1	1 lb.
26042	LPL-M-G-H	Guardian Silicone Lens Gasket-Spa-Hayward Astrolite II	1	1 lb.
26517	LPL-G-J	Silicone Lens Gasket for J&J Electronics/Pool Incandescent Fixture	1	1 lb.
26518	LPL-M-G-J	Silicone Lens Gasket for J&J Electronics/Spa Incandescent Fixture	1	1 lb.

J&J Electronic's™ PureWhite-Pro LED Replacement In-Ground Pool and Spa Lamps are the brightest, most cost-effective LED alternative to inefficient incandescent lamps. They immediately and significantly reduce energy consumption and maintenance costs. Our PureWhite-Pro lamps fit into most standard pool light housings and includes our Guardian™ replacement pool fixture lens gasket\* which has been designed specifically for use with LED lamps.

**Features**

- » Ultra-bright white light equivalents for 100w thru 500w incandescent pool lamps
- » Uniformity of light intensity and saturation
- » Multiple color temps: warm white 2700k and cool white 6500k
- » 12V and 120V
- » Wide beam spread

**NOTE:** \*Fixture Lens Gasket included for use with Pentair® Amerlite™ or Pentair® SpaBrite™ pool light fixtures. Order lens gaskets for other manufactures pool light fixtures separately.

**PureWhite LED Pool and Spa Lamps**



LPL-M2 Series

**OVERALL DIMENSIONS (INCHES)**  
LPL-PR Series



**GUARDIAN**  
Silicone Lens Gasket

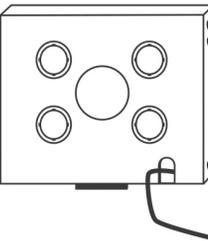
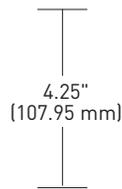


**J&J ELECTRONICS LOW VOLTAGE TRANSFORMERS**

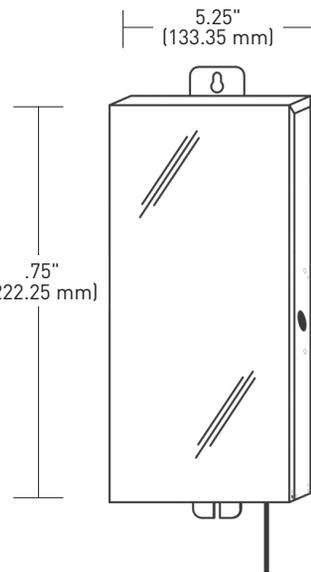
MODEL NUMBER	DESCRIPTION	FINISH	WATTAGE	CTN. QTY.	CTN. WEIGHT
<b>12-14V Pool and Spa Light Transformer</b>					
25036	TR-100-PP	Beige	100W	1	7 lbs.
25037	TR-300-PP	Beige	300W	1	195 lbs.



**Pool and Spa Light Transformers**  
OVERALL DIMENSIONS (INCHES)



**Bottom**  
TR-100-PP



**Front**  
TR-300-PP



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## Commercial Water Features

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Hayward® water features instantly enhance the ambiance of any commercial pool. They're low profile by design, blending seamlessly into any environment, and they connect quickly and easily to reduce installation headaches and costs. Available in deck jets, sheers and bubblers, they're a versatile way to enhance any commercial pool environment with the beauty and serenity of moving water.



### COLORLOGIC LAMINARS

- » **Peaceful, glass-like arcs of water**
- » **Illuminate** with ColorLogic® or CrystaLogic® LED lights
- » **Multiple lid color options** blend seamlessly with any environment
- » **Flow and direction** can be adjusted without tools
- » **Locking stream-angle adjustment mechanism** ensures uniformity with multiple units
- » **The industry's only height-adjustment mechanism** ensures perfect deck alignment even after settling
- » **Minimal dedicated valves and lines** save time and money
- » **Performs best** at 6-7 GPM



### DECK JET 500

- » **Peaceful, arching deck-to-pool stream**
- » **Flow and direction** can be adjusted without tools
- » **The industry's only height adjustment mechanism** ensures perfect deck alignment even after settling
- » **Attractive bronze-coated cover**
- » **Integrated flow adjustment** eliminates the need for dedicated valves
- » **Designed for a maximum flow rate of 5 GPM at 10.7 ft of head**



### LED SHEERS

- » **Customizable waterfall effect** adds tranquil visual appeal
- » **Can be installed in straight or curved applications**
- » **Rear or bottom connections** for quick and easy installation
- » **1.5" x 2" connections** are compatible with larger plumbing for maximum water flow
- » **1.25 GPM** per inch of sheer width



### BUBBLERS

- » **Cascading column of water** creates the ultimate in high-end ambiance
- » **Adjustable nozzles** create a variety of water heights and widths
- » **Interchangeable color options**
- » **Unobtrusive, flush design** integrates seamlessly with the pool surface
- » **Can be installed 2" to 12" below the water's surface**
- » **10 GPM - 40 GPM**

SPECIFICATIONS

**DECK JET 500**

PART NUMBER	DESCRIPTION
WFJ500PAK4	Deck Jet 500 (4 pack)

**SHEER 500**

PART NUMBER	BOTTOM FEED	LIP SIZE	SHEER SIZE
WFS512B6LED	•	6"	1'
WFS518B6LED	•	6"	18"
WFS524B6LED	•	6"	2'
WFS536B6LED	•	6"	3'
WFS548B6LED	•	6"	4'
WFS560B6LED	•	6"	5'
WFS572B6LED	•	6"	6'
WFS584B6LED	•	6"	7'
WFS596B6LED	•	6"	8'

**HYDROTHERAPY FITTINGS**

PART NUMBER	DESCRIPTION
SP14341PAKA	1" Air x 1" Water
SP14343PAKA	1" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket – White
SP1434PAKA	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket – White
SP1434PAKAGR	1.5" Air x 1.5" Water Body, Bulkhead Ftg. & Gasket – Gray
SP1436PAKB	Pulse-Flo Nozzle Assembly – Rotating
SP1437PAKB	Whirl-Flo Nozzle Assembly – Whirlpool
SP1434PAKB	VariFlo Nozzle Assembly – Adjustable – White
SP1434PAKBDGR	VariFlo Nozzle Assembly – Dark Gray
SP1434PAKBGR	VariFlo Nozzle Assembly – Adjustable – Gray
SP1430	1.5" FIP X 1.5" MIP JetAir Ftg.
SP1430S	1.5" SKT x 1.5" MIP JetAir Ftg.
SP14311	1.5" MIP x 1.5" FIP JetAir Ftg.
SP1433	1.5" FIP JetAir Fitting Package
SP1433S	1.5" FIP JetAir Fitting Package with SP1430S
SP1450T	1.5" Socket Turbo-Boost Spa Jet Fitting

**BUBBLER**

PART NUMBER	DESCRIPTION
WFB100	ColorLogic Bubbler – Gunite
WFB200	ColorLogic Bubbler – Vinyl/Fiberglass

**COLORLOGIC LAMINAR**

PART NUMBER	DESCRIPTION
WFL100	ColorLogic Laminar

**BUBBLER ACCESSORIES**

PART NUMBER	DESCRIPTION	COLOR
GLXBKTGR	Replacement Nozzle Kit	Gray
GLXBKTDG	Replacement Nozzle Kit	Dark Gray
GLXBKTWT	Replacement Nozzle Kit	White
GLXBLNGR	Replacement Lens Kit	Gray
GLXBLNDG	Replacement Lens Kit	Dark Gray
GLXBLNWT	Replacement Lens Kit	White

**SPA BLOWER**

PART NUMBER	DESCRIPTION
SPB101	Spa Blower, 1HP, 115V
SPB102	Spa Blower, 1HP, 230V
SPB151	Spa Blower, 1.5HP, 115V
SPB152	Spa Blower, 1.5HP, 230V
SPB201	Spa Blower, 2HP, 115V
SPB202	Spa Blower, 2HP, 230V



# Commercial Heaters

Building on our proven line of industry-leading heaters, Hayward® offers unmatched performance and superior engineering with the Universal H-Series ASME commercial gas heaters. All Hayward Commercial heaters employ a forced draft design and provide exceptional corrosion resistance and hydraulic performance. The new 500,000 BTU models boast the fastest speed-to-heat capability in their class and are designed for ultimate performance, durability and energy efficiency.



## UNIVERSAL H-SERIES ASME GAS HEATERS

Hayward Commercial Aquatics Universal H-Series ASME gas heaters are designed and certified for commercial use. The flagship of our H-Series line encompasses high-end features and construction materials as standard. They combine industry-leading hydraulics, exceptional performance, energy efficiency and reliability with planet-friendly low NOx emissions. Flexible connection options make them ideal for new or existing applications.

- » **Choose from 6 models** (250,000, 400,000 and 500,000 BTU natural gas or propane)
- » **500,000 BTU provides unprecedented speed-to-heat**, with just 2 models delivering 1 million BTU's while using minimal pump room space
- » **Patented Cupro Nickel Finn Plate™ heat exchanger** with bronze header included as standard on all models
- » **Independent left- or right-side electric** and water connections
- » **2" x 2½" CPVC** flanged plumbing connections
- » **ASME pressure relief valve** included as standard
- » **Electronic lock-out feature** prevents unauthorized access to configuration settings
- » **Easy installation and service** via single front panel access
- » **Easy gas valve** adjustment
- » **Easy dual-voltage conversion** with fuse-protected circuit boards
- » **83%-84% thermal efficiency**
- » **3-year limited warranty** on parts and labor



### TECHNICAL SPECIFICATIONS

PART NUMBER	BTU	DESCRIPTION	PIPE SIZE	MAX. ALLOWED WORKING PRESSURE	DIMENSIONS (L X W X H)	CARTON QUANTITY	CARTON WEIGHT (LBS.)
H250FDNASME	250,000	Natural Gas	2" x 2½"	125 psi	28" x 29½" x 24"	1	195.0
H400FDNASME	400,000	Natural Gas	2" x 2½"	125 psi	36½" x 29½" x 24"	1	225.0
H500FDNASME*	500,000	Natural Gas	2" x 2½"	125 psi	40½" x 29½" x 24"	1	240.0
H250FDPASME	250,000	Propane	2" x 2½"	125 psi	28" x 29½" x 24"	1	195.0
H400FDPASME	400,000	Propane	2" x 2½"	125 psi	36½" x 29½" x 24"	1	225.0
H500FDPASME*	500,000	Propane	2" x 2½"	125 psi	40½" x 29½" x 24"	1	240.0

\*Includes flow and pressure sensor.

**Electronic temperature lock-out** prevents unauthorized access to temperature settings

**24 Inch high cabinet** is the lowest in the industry and can be raised off the floor if necessary

**Fuse-protected circuit boards** make dual-voltage conversion safe and easy

**Forced-draft combustion** produces low NOx emissions for and is certified for high-altitude applications up to 10,000 feet standard

**ASME pressure relief valve** comes standard to ensure system safety

**Noncorrosive feet** won't rust on wet pool pads

**Patented cupro nickel heat exchanger** with totally managed flow provides industry-best performance with powerful corrosion protection

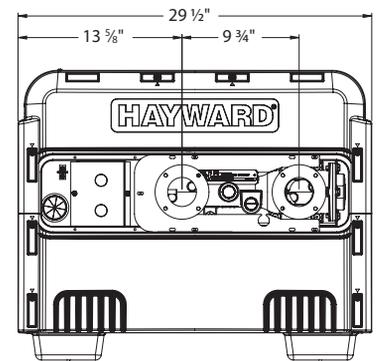
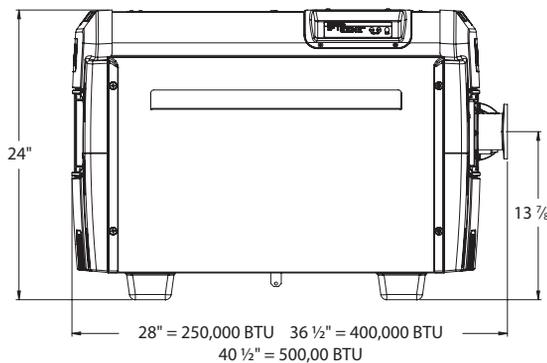
**Low-lead bronze header** with patented bypass design uses up to 18% less energy

**Universal plumbing, gas and electrical connections** offer quick and easy retrofitting and are certified for installation on combustible surfaces

**4," 6" and 8" venting kit** allows for indoor natural gas installation



UNIVERSAL H-SERIES ASME HEATER DIMENSIONS



### COMMERCIAL HEATER ACCESSORIES

Hayward® offers a complete range of venting kit options for all ASME heaters. Also offered is a flow switch and a temperature/pressure gauge that is required for installation into specific commercial pool markets, such as Texas. This kit will ensure the H-Series ASME heater is compliant with boiler and health code regulations. (Included with 500,000 BTU)

#### VENTING KIT OPTIONS AND ACCESSORIES

PART NUMBER	DESCRIPTION
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit
UHXDVA004	4" DuraVent Positive Pressure Appliance Adapter
UHXDVA006	6" DuraVent Positive Pressure Appliance Adapter
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)
UHXTFP1930	Temp/Pressure and Flow Switch Kit
UHXFSW1930	Flow Switch Only
UHXNEGMV300	Horizontal Power Vent Kit, Up to 300k BTU (Negative Vent Kit Adaptor Sold Separately)
UHXNEGMV600	Horizontal Power Vent Kit, Up to 610k BTU (Negative Vent Kit Adaptor Sold Separately)



Note: The Vent Kits are the Adaptors ONLY – to be used with either Heatfab® DuraVent® or Z-Flex® vent piping.

» For more details and ordering information call 1-888-238-7665



## HEATPRO® MCHX SERIES HEAT PUMPS

Hayward continues its position as the industry leader in innovation with the introduction of the new HeatPro Series of electric heat pumps that utilize industry-first microchannel technology engineered to get your pool water to the perfect temperature.

- » **Best in class corrosion resistance.** TCP coating developed by naval air command for durability in the harshest climates.
- » **Lasts longer,** less performance degradation versus tube and fin.
- » **Less complexity,** 85% reduction in braze joints means less leak opportunities.
- » **Robust coil structure.** Protects against fin damage during installation and outdoor impacts.
- » **Weight reduction** up to 50lb weight reduction vs. tube & fin technology.
- » **Lower panel loading** 40 amp breaker can be used on 110k and 120k btu/hr units.
- » **Less refrigerant** significant reduction in refrigerant means lower environmental impact.
- » **AHRI certification certified** for performance and value.
- » **Powerful warranty** backed by a 5 year warranty.



SPECIFICATIONS		
MODEL NUMBER	HP21405T	HP31405T
BTU HEATING CAPACITY		
80 / 80 / 80 *	138,000	135,000
80 / 80 / 63 *	128,000	125,000
50 / 80 / 63 *	82,000	82,000
BTU COOLING CAPACITY		
95 / 90 / 80 *	-	82,000
COEFFICIENT OF PERFORMANCE, HEATING		
80 / 80 / 80 *	5.7	5.7
80 / 80 / 63 *	5.5	5.5
50 / 80 / 63 *	4.0	4.0
Low Ambient Operation	✓	✓
Air Operating Temperature	45-110°F	40-110°F
Active Defrost	-	✓
Rated Voltage	230V~ 60Hz 1Ph	230V~ 60Hz 1Ph
Recommended Breaker Size	50A	50A
Water Flow Rate (Min/Max)	30 / 75 GPM	30 / 75 GPM
Water Connection Diameter	2 x 2-1/2 in	2 x 2-1/2 in
Water Inlet to Outlet Distance	10.25 in	10.25 in
Refrigerant	4 lb 14 oz	5 lb 4 oz
Refrigerant Type	R-410A	R-410A
Unit Dimensions (LxWxH)	33.6 x 30.5 x 44 in	33.6 x 30.5 x 44 in
Unit Weight	233 lbs	240 lbs
Unit Shipping Dimensions (LxWxH)	36.5 x 31 x 49 in	36.5 x 31 x 49 in
Unit Shipping Weight	281 lbs	288 lbs
Rear & Side Clearance (Min)	12"	12"





# WHITE GOODS AND VALVES

ENGINEERED THERMOPLASTIC SOLUTIONS FOR OPTIMAL HYDRAULIC PERFORMANCE.

Hayward®'s full line of industrial thermoplastic valves and process control products are designed and engineered to be the most reliable in the industry. We employ precision manufacturing processes and rigorous quality assurance procedures to make sure our flow control products and white goods deliver optimum performance and long-lasting durability while meeting or exceeding industry standards and regulations. In other words, we take care of the details so you can focus on the big picture: building the very best commercial pools.

# Commercial Flow Control

Hayward Flow Control has manufactured industrial thermoplastic valves and process control products since the inception of the thermoplastic valve industry over 50 years ago. We have earned an unsurpassed reputation for product design, manufacturing precision, quality assurance, experience and know-how and a total commitment to customer satisfaction and support.

## COMPACT BALL VALVES - QVC SERIES (GRAY AND WHITE)

- » Pressure rating 150 psi
- » EPDM seals
- » Santoprene® seats



## TRUE UNION COMPACT BALL VALVES - QTA SERIES (GRAY AND WHITE)

- » Pressure rating 150 psi
- » EPDM seals
- » Santoprene seats



Part Number	Discription	CARTON QTY
QVC1005SSEG	1/2" PVC COMPACT BALL VALVE SOC	210
QVC1005SSEW	1/2" PVC COMPACT BALL VALVE SOC	210
QVC1005TSEG	1/2" PVC COMPACT BALL VALVE THD	210
QVC1005TSEW	1/2" PVC COMPACT BALL VALVE THD	210
QVC1007SSEG	3/4" PVC COMPACT BALL VALVE SOC	140
QVC1010SSEG	1" PVC COMPACT BALL VALVE SOC	100
QVC1010SSEW	1" PVC COMPACT BALL VALVE SOC	100
QVC1010TSEG	1" PVC COMPACT BALL VALVE THD	100
QVC1010TSEW	1" PVC COMPACT BALL VALVE THD	100
QVC1015SSEG	1 1/2" PVC COMPACT BALL VLV SOC	40
QVC1015SSEW	1 1/2" PVC COMPACT BALL VLV SOC	40
QVC1015TSEG	1 1/2" PVC COMPACT BALL VLV THD	40
QVC1015TSEW	1 1/2" PVC COMPACT BALL VLV THD	40
QVC1020SSEG	2" PVC COMPACT BALL VALVE SOC	30
QVC1020SSEW	2" PVC COMPACT BALL VALVE SOC	30
QVC1020TSEG	2" PVC COMPACT BALL VALVE THD	30
QVC1020TSEW	2" PVC COMPACT BALL VALVE THD	30
QVC1025SSEG	2 1/2" PVC COMPACT BALL VLV SOC	12
QVC1025SSEW	2 1/2" PVC COMPACT BALL VLV SOC	12
QVC1025TSEG	2 1/2" PVC COMPACT BALL VLV THD	12
QVC1025TSEW	2 1/2" PVC COMPACT BALL VLV THD	12
QVC1030SSEG	3" PVC COMPACT BALL VALVE SOC	8
QVC1030SSEW	3" PVC COMPACT BALL VALVE SOC	8
QVC1030TSEG	3" PVC COMPACT BALL VALVE THD	8
QVC1030TSEW	3" PVC COMPACT BALL VALVE THD	8
QVC1040SSEG	4" PVC COMPACT BALL VALVE SOC	6
QVC1040SSEW	4" PVC COMPACT BALL VALVE SOC	6
QVC1040TSEG	4" PVC COMPACT BALL VALVE THD	6
QVC1040TSEW	4" PVC COMPACT BALL VALVE THD	6

Part Number	Discription	CARTON QTY
QTA1005CSEG	1/2" PVC TU COMPACT VALVE S/T	140
QTA1005CSEW	1/2" PVC TU COMPACT VALVE S/T	140
QTA1007CSEG	3/4" PVC TU COMPACT VALVE S/T	80
QTA1007CSEW	3/4" PVC TU COMPACT VALVE S/T	80
QTA1010CSEG	1" PVC TU COMPACT VALVE S/T	50
QTA1010CSEW	1" PVC TU COMPACT VALVE S/T	50
QTA1015CSEG	1 1/2" PVC TU COMPACT VALVE S/T	20
QTA1015CSEW	1 1/2" PVC TU COMPACT VALVE S/T	20
QTA1020CSEG	2" PVC TU COMPACT VALVE S/T	18
QTA1020CSEW	2" PVC TU COMPACT VALVE S/T	18

**TRUE UNION PVC BALL VALVES - TBB SERIES**

- » Pressure rating 225 psi
- » EPDM seals
- » PTFE seats
- » Double O-Ring stem seals



**TRUE UNION PVC BALL VALVES - TBH SERIES**

- » Full 250 psi / PN16 Rating up to 2"/DN50 and 235psi/PN16, Non-Shock at 70°F / 23°C.
- » Integral ISO 5211 Mounting Pad for Easy Actuation
- » System2™ Sealing Technology Seat Carrier Design for sizes up to 2"/DN50- Patent Pending
- » Permanent Laser Markings, Eliminates Labels
- » UV Resistant Sure Grip Ergonomic Handle



**ACTUATED BALL VALVES - EAU SERIES**

- » Pressure rating 250 psi
- » True Union design
- » EPDM seals
- » PTFE seats
- » Double O-Ring stem seals
- » Assembled with actuator and linkage

**Electric actuator details**

- » 90-degree operation
- » UL/CSA Listed motor
- » Standard 120 Volt
- » Light weight and compact design



Part Number	Discription	CARTON QTY
TBB1005CPEG	TRUE UNION BALL VLV GRAY 1/2"	48
TBB1007CPEG	TRUE UNION BALL VLV GRAY 3/4"	36
TBB1010CPEG	TRUE UNION BALL VLV GRAY 1" PV	24
TBB1015CPEG	TRUE UNION BALL VLV GRAY 1-1/2	24
TBB1020CPEG	TRUE UNION BALL VLV GRAY 2" PV	12
TBB1025SPEG	2 1/2" PVC TBB VALVE GRAY SOC	6
TBB1025TPEG	2 1/2" PVC TBB VALVE GRAY THD	6
TBB1030SPEG	3" PVC TBB VALVE GRAY SOC EPDM	6
TBB1030TPEG	3" PVC TBB VALVE GRAY THD EPDM	6
TBB1040TPEG	4" PVC TBB VALVE GRAY THD EPDM	1

Part Number	Discription	CARTON QTY
TBH1050ASTE0000	1/2" PVC TB VLV S/T EPDM	1
TBH1075ASTE0000	3/4" PVC TB BALL VLV S/T EPDM	1
TBH1100ASTE0000	1" PVC TB VLV SOC/THD EPDM	1
TBH1150ASTE0000	1-1/2" PVC TB VLV SOC/THD EPDM	1
TBH1200ASTE0000	2" PVC TB VLV SOC/THD EPDM	1
TBH1250A0SE0000	2-1/2" PVC TB SOC W/EPDM SAFE	1
TBH1250A0TE0000	2-1/2" PVC TB THD W/EPDM SAFE	1
TBH1300A0SE0000	3" PVC TU BALL VLV SKT EPDM	1
TBH1300A0TE0000	3" PVC TU BALL VLV THD EPDM	1
TBH1400A0SE0000	4" PVC TU BALL VLV SKT EPDM	1
TBH1400A0SV0000	4" PVC TB VLV SOC LATCHING HAN	1
TBH1400A0TE0000	4" PVC TU BALL VLV THD EPDM	1
TBH1600A0FE0000	6" PVC TU SAFE BLOCK BALL VAL	1

Part Number	Discription	CARTON QTY
EAU128	ELEC ACT 180 DEGREE ROTATION 1	1
EAU129	ELEC ACT 90 DEGREE ROTATION 11	1
EATBH110STE	1" TB PVC, EPDM, W/ELEC ACT	1
EATBH120STE	2" TB, PVC, EPDM, W/ELEC ACT	1
EATBH105STE	1/2" ELEC ACT TB VLV PVC W/EPD	1
EAUTBH105STV	1/2" ELEC ACT TB VLV PVC W/VIT	1
EAUTBH107STE	3/4" ELEC ACT TB VLV PVC W/EPD	1
EAUTBH107STV	3/4" ELEC ACT TB VLV PVC W/VIT	1
EAUTBH107STE	1"ELEC ACT TB VLV PVC W/EPDM S	1
EAUTBH110STV	1"ELEC ACT TB VLV PVC W/VITON	1
EAUTBH115STE	1 1/2" PVC TB EPDM W/ELEC ACT	1
EAUTBH115STV	1 1/2" PVC TB FPM W/ELEC ACT	1
EAUTBH120STE	2" ELEC ACT TB VLV PVC W/EPDM	1
EAUTBH120STV	2" ELEC ACT TB VLV PVC W/VITON	1

### TRUE UNION PVC BALL CHECK VALVES – TC SERIES

- » Pressure rating  
150 psi: 2½"–6"  
235 psi: ½"–2"
- » EPDM seals
- » For horizontal or vertical installation
- » NSF/ANSI Standard 61 Certified (1/2"–4")



Part Number	Discription	Ctn Qty
TC10050STE	1/2 IN PVC TRUE CHECK SOC &THD	12
TC10075STE	3/4" PVC T/C SOC&THD W/EPDM	12
TC10100FE	1" PVC TC BALL CHECK FLG EPDM	6
TC10100STE	1 IN PVC TRUE CHECK SOC & THD	12
TC10150STE	1-1/2" PVC TC SOC & THD EPDM	6
TC10200STE	2 IN PVC TRUE CHECK SOC & THD	1
TC1250SE	2-1/2" PVC TC SOC,EPDM VLV	1
TC1250TE	2-1/2" PVC TC THD,EPDM VLV	1
TC2250SE	2 1/2" CPVC TC BALL CHECK SKT	1
TC1300SE	3" PVC BALL CHECK VLV SKT E	1
TC1300TE	3" PVC TRUE BALL VLV THD EPDM	1
TC1400SE	4"PVC BALL CHECK SKT EPDM	1
TC1400TE	4"PVC BALL CHECK THD EPDM	1
TC1600FE	6" PVC TRUE UNION BALL CHE	1

### BUTTERFLY VALVES (LEVER OPERATED) – PUREBLU® BYCN SERIES

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 316 SS stem
- » 9-position throttle plate
- » NSF/ANSI Standard 61 Certified



Part Number	Discription	Ctn Qty
BYCN1020E1LGB	2" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1025E1LGB	2 1/2" BYCN PVC/PVC/EPDM/316/L	8
BYCN1030E1LGB	3" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1040E1LGB	4" BYCN PVC/PVC/EPDM/316/LEVER	8
BYCN1050E1LGB	5" BYCN PVC/PVC/EPDM/316/LEVER	3
BYCN1060E1LGB	6" BYCN PVC/PVC/EPDM/316/LEVER	3
BYCN1080E1LGB	8" BYCN PVC/PVC/EPDM/316/LEVER	3

### BUTTERFLY VALVES (LEVER OPERATED) – BYV SERIES

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 1 Piece 316 SS stem
- » 19-position throttle plate
- » Hydro dynamic disc
- » External disc position and flow indication
- » NSF/ANSI Standard 61 Certified



Part Number	Discription	Ctn Qty
BYV11020A0EL000	2" BYV BFLY VLV PVC/PVC/EPDM L	1
BYV11025A0EL000	2 1/2 " BYV BFLY VLV PVC/PVC/E	1
BYV11030A0EL000	3" BYV BFLY VLV PVC/PVC/EPDM L	1
BYV11040A0EL000	4" BYV BFLY VLV PVC/PVC/EPDM L	1
BYV11060A0EL000	6" BYV BFLY VLV PVC/PVC/EPDM L	1
BYV11080A0EL000	VL1BYV BFLY VLV PVC/PVC/EPDM L	1
BYV11120A0EG000	12" BYV BFLY VLV PVC/PVC/EPDM/	1

**BUTTERFLY VALVES (GEAR OPERATED)-  
PUREBLU BYCN SERIES**

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 316 SS stem
- » Robust aluminum gear operator with stainless steel shaft, IP65 rating
- » NSF/ANSI Standard 61 Certified



Part Number	Discription	Ctn Qty
BYCN1020E1GGB	2" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1025E1GGB	2 1/2" BYCN PVC/PVC/EPDM/316/G	1
BYCN1030E1GGB	3" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1040E1GGB	4" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1050E1GGB	5" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1060E1GGB	6" BYCN PVC/PVC/EPDM/316/GEAR/	1
BYCN1080E1GGB	8" BYCN PVC/PVC/EPDM/316/GEAR/	1

**BUTTERFLY VALVES (GEAR OPERATED) - BYV SERIES**

- » Pressure rating 150 psi
- » PVC body and disc
- » EPDM liner
- » 1 Piece 316 SS stem
- » 19-position throttle plate
- » Hydro dynamic disc
- » External disc position and flow indication
- » NSF/ANSI Standard 61 Certified



Part Number	Discription	Ctn Qty
BYV11020A0EG000	2" BYV BFLY VLV PVC/PVC/EPDM G	1
BYV11025A0EG000	2 1/2" BYV BFLY VLV PVC/PVC/EP	1
BYV11030A0EG000	3" BYV BFLY VLV PVC/PVC/EPDM G	1
BYV11040A0EG000	4" BYV BFLY VLV PVC/PVC/EPDM G	1
BYV11060A0EG000	6" BYV BFLY VLV PVC/PVC/EPDM G	1
BYV11080A0EG000	8" BYV BFLY VLV PVC/PVC/EPDM G	1
BYV11100A0EG000	10" BYV BFLY VLV PVC/PVC/EPDM/	1

**FULL PATTERN PVC WAFER CHECK VALVES - WCV SERIES**

- » Pressure rating 150 psi
- » One-piece disk and shaft design
- » EPDM gasket and face seal
- » Full pattern body - no need for spacers or specialty flanges
- » Contoured inlet port for easy flow
- » Can be installed in vertical or horizontal position



Part Number	Discription	Ctn Qty
WCV1200E	2" PVC WAFER FULL PATTERN CHK	1
WCV1250E	2 1/2" PVC WAFER FULL PATTERN	1
WCV1300E	3" PVC WAFER FULL PATTERN CHK	1
WCV1400E	4" PVC WAFER FULL PATTERN CHK	1
WCV1600E	6" PVC WAFER FULL PATTERN CHK	1
WCV1800E	8" PVC WAFER FULL PATTERN CHK	1
WCV11000E	10" WAFER CHECK VALVE EPDM	1

## FULL PATTERN PVC WAFER CHECK VALVES - WCV SERIES

- » Pressure rating 150 psi
- » One-piece disk and shaft design
- » EPDM gasket and face seal
- » Full pattern body – no need for spacers or specialty flanges
- » Contoured inlet port for easy flow
- » Can be installed in vertical or horizontal position
- » 316 SS disc spring



Part Number	Description	CARTON QTY
WCV1200ES	2" PVC WAFER FULL PATTERN CHK	1
WCV1250ES	2 1/2" PVC WAFER FULL PATTERN	1
WCV1300ES	3" PVC WAFER FULL PATTERN CHK	1
WCV1400ES	4" PVC WAFER FULL PATTERN CHK	1
WCV1600ES	6" PVC WAFER FULL PATTERN CHK	1
WCV1800ES	8" PVC WAFER FULL PATTERN CHK	1
WC11000ES	10" WAFER CHECK VALVE EPDM SST	1



### PVC SIMPLEX BASKET STRAINER - SB SERIES

- » Pressure rating 150 psi
- » PVC body and basket
- » EPDM seals
- » Multiple basket material options
- » Ergonomic hand-removable cover
- » True Union connections
- » Each strainer includes a standard basket
- » 1/2" - 1" Standard 1/32" Perforation
- » 1 1/2" - 8" Standard 1/8" Perforation
- » NSF/ANSI Standard 61 Certified



Part Number	Discription	CARTON QTY
SB1100ST132	1" SIMPLEX,PVC,FPM,SOC, THD 1/	1
SB1100STE132	1" SIMPLEX,PVC,EPDM,SOC,THD,1/	1
SB1150ST18	1 1/2" PVC SIMPLEX SOC/THD 1/8	1
SB1150STE18	1 1/2" SIMPLEX PVC EPDM 1/8 PE	1
SB1200ST18	2" PVC SIMPLEX SOC/THD 1/8 PER	1
SB1200STE132	2" SIMPLEX,PVC,EPDM,SOC&THD 1/	1
SB1200STE18	2" SIMPLEX,PVC,EPDM,SOC,THD,1/	1
SB1200STES132	2" SIMPLEX,PVC,EPDM,SOC&THD 1/	1
SB1250S18	SIMPLEX BS,2 1/2" SOC,PVC 1/8	1
SB1250SE18	2 1/2"SIMPLEX PVC EPDM SOC 1/8	1
SB1250T18	SIMPLEX BS,2 1/2" THD,PVC 1/8	1
SB1250TE18	2 1/2"SIMPLEX PVC EPDM THD 1/8	1
SB1300S18	SIMPLEX BS,3" SOC,PVC, 1/8"PER	1
SB1300SE18	3" SIMPLEX,PVC,EPDM,SOC,1/8 PE	1
SB1300T18	SIMPLEX BS,3" THD,PVC, 1/8"PER	1
SB1300TE18	3" SIMPLEX,PVC,EPDM,THD,1/8 PE	1
SB1400FES18	SIMPLEX BS,4" FLG, PVC,EPDM 1/	1
SB1400S18	SIMPLEX BS,4" SOC,PVC, 1/8"PER	1
SB1400SE18	4" SIMPLEX,PVC,EPDM,SOC,1/8 PE	1
SB1400T18	SIMPLEX BS,4" THD,PVC, 1/8"PER	1
SB1400TE18	4" SIMPLEX,PVC,EPDM,THD,1/8 PE	1
SB1600FT18	BS SIMPLEX, 6" FLG 3 PORT,PVC	1
SB1600FTE18	6" SIMPLEX,PVC,EPDM,FLG,1/8 PE	1
SB1600FTES18	BS SIMPLEX, 6" FLG 3 PORT,PVC,	1
SB1800FT18	BS SIMPLEX, 8" FLG 3 PORT,PVC	1
SB1800FTE18	8" SIMPLEX,PVC,EPDM,FLG,1/8 PE	1

### TRUE UNION SOLENOID VALVES - SV SERIES

- » Available in PVC and CPVC
- » Available with FPM or EPDM seals
- » Continuous or 100% duty applications
- » Corrosion-resistant polyester coil
- » No pressure differential required for operation
- » Four-position electrical connection
- » 1/2" conduit or SJ type cord electrical connection
- » 110 VAC is standard
- » Normally closed design



Part Number	Discription	CARTON QTY
SV10050STE	1/2" PVC SOL VLV SOC & THD EPD	1
SV10050STE220A	1/2" PVC SOL VLV SOC & THD EPD	1
SV10050STV	1/2" PVC SOL VLV SOC & THD VIT	1
SV10075STE	3/4" PVC SOL VLV SOC & THD EPD	1
SV10075STE220A	3/4" PVC SOL VLV SOC & THD EPD	1
SV10075STE24A/D	3/4" PVC SOL VLV 24 VAC/DC EPD	1
SV10075STV	3/4" PVC SOL VLV SOC & THD VIT	1
SV10075STV24A/D	3/4" PVC SOL VLV 24 VAC/DC VIT	1
SV10100STE	1" PVC SOL VLV SOC & THD EPDM	1
SV10100STV	1" PVC SOL VLV SOC & THD VITON	1

- » Flanged connections are available. Please call for part number and pricing information.
- » All Hayward® Flow Control products have a 1-year warranty as standard.
- » All Hayward Flow Control items are based on a per-unit cost with the exception of all QVC Series ball valves, which are sold as bag quantities only. If bag quantities are broken, there will be a 25% upcharge.
- » All Flow Control products manufactured are in compliance with ISO 9001:2008 standards.



### CLEAR PVC Y-STRAINERS - YS SERIES

- » Available in PVC, CPVC, Clear PVC and PVDF
- » Horizontal or Vertical Installation
- » FPM O-Ring Seals
- » 2:1 Open Area Ratio
- » Hex Cap for Easy Access to Screen
- » Standard Screen has 1/32" Perforation



Part Number	Discription	CARTON QTY
YS00050SU	1/2" PVC CLEAR Y-STRAINER,SOC	1
YS00050TU	1/2" CLEAR PVC Y STRAINER THD	1
YS00075SU	3/4" CLEAR PVC Y-STRAINER, SOC	1
YS00075TU	3/4" CLEAR PVC Y-STRAINER, THD	1
YS00100SU	1" CLEAR PVC Y-STRAINER,SOC,TR	1
YS00100TU	1" CLEAR PVC Y-STRAINER,THD UN	1
YS00150SU	1-1/2" CLEAR PVC Y-STRAINER,SO	1
YS00150TU	1-1/2" CLEAR PVC Y-STRAINER,TH	1
YS00200SU	2" CLEAR PVC Y-STRAINER, SOC. TRUE U	1
YS00200TU	2" CLEAR PVC Y-STRAINER,THD TR	1

### SOLID GRAY PVC Y-STRAINERS - YS SERIES

- » Available in PVC, CPVC, Clear PVC and PVDF
- » Horizontal or Vertical Installation
- » FPM O-Ring Seals
- » 2:1 Open Area Ratio
- » Hex Cap for Easy Access to Screen
- » Standard Screen has 1/32" Perforation



Part Number	Discription	CARTON QTY
YS10050SU	1/2" PVC Y-STRAINER, SOC. TRUE	1
YS10050TU	1/2" PVC Y-STRAINER, THD. TRUE	1
YS10075SU	3/4" PVC Y-STRAINER, SOC. TRUE	1
YS10075TU	3/4" PVC Y-STRAINER, THD. TRUE	1
YS10100SU	1" PVC Y-STRAINER, SOC. TRUE U	1
YS10100TU	1" PVC Y-STRAINER, THD. TRUE U	1
YS10150SU	1-1/2" PVC Y-STRAINER, SOC. TR	1
YS10150TU	1-1/2" PVC Y-STRAINER, THD. TR	1
YS10200SU	2" PVC Y-STRAINER, SOC. TRUE U	1
YS10250SU	2-1/2" PVC Y-STRAINER, SOC. TR	1
YS10250TU	2-1/2" PVC Y-STRAINER, THD. TR	1
YS10300F	3" PVC Y-STRAINER, FLG'D.	1
YS10300SU	3" PVC Y-STRAINER, SOC. UNION	1
YS10300TU	3" PVC Y-STRAINER, THD. UNION	1
YS10400F	4" PVC Y-STRAINER, FLG'D.	1
YS10400SEU	4" PVC Y STRAINER SOC TRUE UNI	1
YS10400TU	4" PVC Y-STRAINER, THD. UNION	1



# Commercial White Goods

For residential and commercial concrete pools, Hayward square drain covers are available in a wide range of sizes and flow designs to satisfy any installation requirement. Whether the application demands frames and covers for new construction or replacement cover assemblies for existing installations, Hayward suction outlets set the standard for quality and value. Hayward's High Flow covers have some of the industry's highest approved flow rates. Each size and flow design cover retrofit to existing Hayward frames and are designed for an extensive 7 year life span.



## VGB ACT-COMPLIANT HIGH-FLOW DRAIN COVERS AND FRAMES

All Hayward WG Series suction outlet fitting assemblies and replacement covers have been tested to ANSI/APSP/ICC-16 2017, are VGB compliant and meet CPSP requirements.

Installation of anything other than the recommended Hayward drain cover on a Hayward frame or Hayward sump may not be ANSI/APSP/ICC-16 2017 compliant. Likewise, the installation of a Hayward drain cover on a non-Hayward frame may not be compliant.

### Applications

- » Meets various flow category requirements
- » Installations in concrete, residential and commercial pools
- » All Hayward drain covers can be used as a single replacement cover when installed on the same suction line as a TriStar® VS SVRS

### Features

- » Certified to ANSI/APSP/ICC-16 2017
- » Retrofits to all Hayward existing frames
- » 7-year life
- » 1-year limited warranty

MODEL NUMBER	PIPE SIZE	MOUNTING POSITION	SUMP PORT LOCATION	APPROVED FLOW GPM
WG1031BHF2 & WG1031HF2PAK2 (9" x 9")	2.5"	Floor	Side	172
	2.5"	Wall	Side	184
	2.5"	Wall	Bottom	224
	3"	Floor	Side	264
	3"	Wall	Side	224
	3"	Wall	Bottom	224
WG1032BHF2 & WG1032HF2PAK2 (12" x 12")	3"	Floor	Side	416
	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WG1033BHF2 & WG1033HF2PAK2 (18" x 18")	3"	Floor	Side	484
	3"	Wall	Bottom	484
	4"	Floor	Side	656
	4"	Wall	Bottom	688
	6"	Floor	Side	815
	6"	Wall	Bottom	732
WG1061HF2PAK2 (9" x 9")	2.5" & 3"	Floor	Side	264
	2.5" & 3"	Wall	Bottom	224

MODEL NUMBER	SIZE	COVER OPEN AREA SQ. IN.	1.5 FT/SEC. FLOW RATE GPM	CARTON QTY.	CARTON WEIGHT
<b>REPLACEMENT COVER &amp; INNER FRAME</b>					
WG1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WG1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WG1033BHF2	18" x 18"	124.1	580	10	39 lbs.
<b>COVER, INNER FRAME &amp; OUTER FRAME (2 per pack)</b>					
WG1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WG1032HF2PAK2	12" x 12"	41.07	192	4	30 lbs.
WG1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
<b>3" SUCTION OUTLET SUMP WITH COVER (2 per pack)</b>					
WG1036HF2PAK2	9" x 9"	23.96	112	1	6 lbs.

Review expiration dates of current VGB-compliant installed drain covers

## RDX UNBLOCKABLE DRAIN

Paramount® continues to lead in drain technology with the RDX™ Unblockable Drain. This cutting-edge advancement in drain safety is VBG compliant, invisible and unblockable. The RDX combines safety and high flow in a single outlet, ensuring the swift and effective removal of debris. Compatible with concrete finishes, it is easy to install with less plumbing than conventional drains and blends seamlessly into the pool floor.

- » **Full fill center** – reduces the risk of cracking, enabling a solid fill throughout.
- » **Adjustable plumbing** – includes 4" rotatable elbows for easy alignment.
- » **Flexible installation** – offers 2.5" Of vertical adjustment and can be angled up to 1". Compatible with concrete finishes.
- » **Easy to service** – removeable covers for quick access.
- » **Available in 4 designer colors** – white, black, dark grey, light grey.
- » **True debris mitigation** – large capacity sump eliminates plugged drains and collects large debris.
- » **Vgb compliant design** –protects against hair, limb, body and mechanical entrapment. lapmo certified and listed for single drain use.
- » **2" Port for hydrostatic valve**– included on lower sump.



RDX Invisible Drain				
PART NUMBER	DESCRIPTION	GTIN	CTN. DIMENSIONS	CTN. Weight
404200925001	RDX 300 Upper Conc. US White	610377445382	23.3 x 23.3 x 4.6	10 lbs
404200925002	RDX 300 Upper Conc. US Dark Grey	610377445375	23.3 x 23.3 x 4.6	10 lbs
404200925003	RDX 300 Upper Conc. US Black	610377445351	23.3 x 23.3 x 4.6	10 lbs
404200925008	RDX 300 Upper Conc. US Light Grey	610377445313	23.3 x 23.3 x 4.6	10 lbs
404200920001	RDX 200 Upper Conc. US White	610377445481	23.3 x 23.3 x 4.6	10 lbs
404200920002	RDX 200 Upper Conc. US Dark Grey	610377445467	23.3 x 23.3 x 4.6	10 lbs
404200920003	RDX 200 Upper Conc. US Black	610377445450	23.3 x 23.3 x 4.6	10 lbs
404200920008	RDX 200 Upper Conc. US Light Grey	610377445429	23.3 x 23.3 x 4.6	10 lbs
404200935000	RDX 300 Lower Sump	XXXXXXXXXXXX	24.1 x 24.1 x 21.0	41 lbs
404200930000	RDX 200 Lower Sump	610377445306	24.0 x 24.0 x 15.9	30 lbs



## SKIMMASTER® SERIES SKIMMERS

Our SkimMaster Series is a non-corrosive, large capacity automatic surface skimmer featuring a round, tamper-proof access cover, self-adjusting 8-inch weir with stainless steel spring for added strength, dual outlets and threaded internal connections for pressure testing. The optional float/bypass valve provides a suction outlet through skimmer system and an automatic pump bypass for low water conditions. No glue is used in manufacturing, ensuring maximum strength and longevity.

- » **Adjustable deck collar** and access cover
- » **Large debris basket** and multiple plumbing connections for easier connections
- » **Automatic bypass** for low water conditions



PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	MAX GPM
HCWG1072C	NSF 50 Listed SKIMMASTER Round Skimmer 2"x2.5" Socket 4.5" Throat***	1	8.0	55
WG1070C	NSF 50 Listed Replacement Cover for SP1070 Series Skimmers	1	15.0	-
SP1072S2**	SkimMaster Round Skimmer 2" Socket with Overflow Port 4.5" Throat	1	8.0	63
SP1072S2SQ	SkimMaster Square Skimmer 2" Socket 4.5" Throat	1	8.0	63
SP1072S2FVA	SkimMaster Round Skimmer 2" x 2.5" Socket 4.5" Throat	1	8.0	75
SP1070FVEKIT	Float Valve and Equalizer Kit for SP1070 Series Skimmers	10	12.0	-

\*Available in Gray, Dark Gray and Black. To order specific colors, add suffix GR for Gray, DGR for Dark Gray and BLK for Black. Also available with tan collar and cover, add suffix 10 to model number. For skimmer packaged with float valve, add suffix FVA to model number.

\*\*This part number must be ordered with SP1072FVEKIT and WG1070C to ensure it is NSF Certified.

## AUTOSKIM™ SERIES SKIMMERS

Our AutoSkim Series skimmers are designed for demanding commercial and residential applications providing precision, large capacity and automatic surface skimming. They are molded from noncorrosive, nonconductive ABS material.

- » **Optional float/bypass valve**
- » **Stackable notched extension collar** allows infinite vertical adjustment
- » **NSF Certified** (approved when used with commercial cover and equalizer)



	PART NUMBER	SIZE/DESCRIPTION	CARTON QUANTITY	CARTON WEIGHT (LBS.)	GPM
AutoSkim Wide Track Series	SP10852*	AutoSkim Square Skimmer 1½" Fit in Place 9¼" Throat	1	16.0	36
	WG1082SFVE	NSF 50 Listed AutoSkim Square Skimmer 2" Socket****	1	8.0	55
	WG1082E***	NSF 50 Listed Replacement Cover for SP1080 Series Skimmers	10	15.0	-
	SP1080FVEKIT	Float Valve and Equalizer Kit for SP1080 Series Skimmers	10	12.0	-
AutoSkim Series	SP1082*	AutoSkim Square Skimmer 2" Fit in Place 5¼" Throat	1	10.0	63
	SP1084*	AutoSkim Square Skimmer 2" Fit in Place 8½" Throat	1	13.0	63

NOTE: Hayward® recommends additionally adding the float valve and equalizer kit for commercial applications.

\*Available in Dark Gray. Add suffix DGR to model number.

\*\*Available in Dark Gray. To order Dark Gray, add suffix DGR to part number. The "R" designation indicates round collar and cover assembly.

\*\*\*This part number must be ordered with any of the part numbers above to ensure it is NSF Certified.

\*\*\*\*With Float and Equalizer Valves. NSF-Approved Lids.



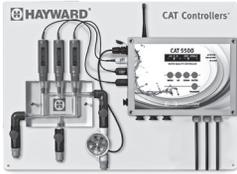


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## Discover the Hayward Commercial Aquatics Try it, Spec it, Love it Program

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### TRY IT



CAT  
CONTROLLERS®



HYDRORITE® UV  
DISINFECTION SYSTEM



HCP SERIES  
PUMPS



SALINE C®  
SALT CHLORINE  
GENERATORS



HCP SERIES  
VARIABLE  
FREQUENCY DRIVE

### SPEC IT

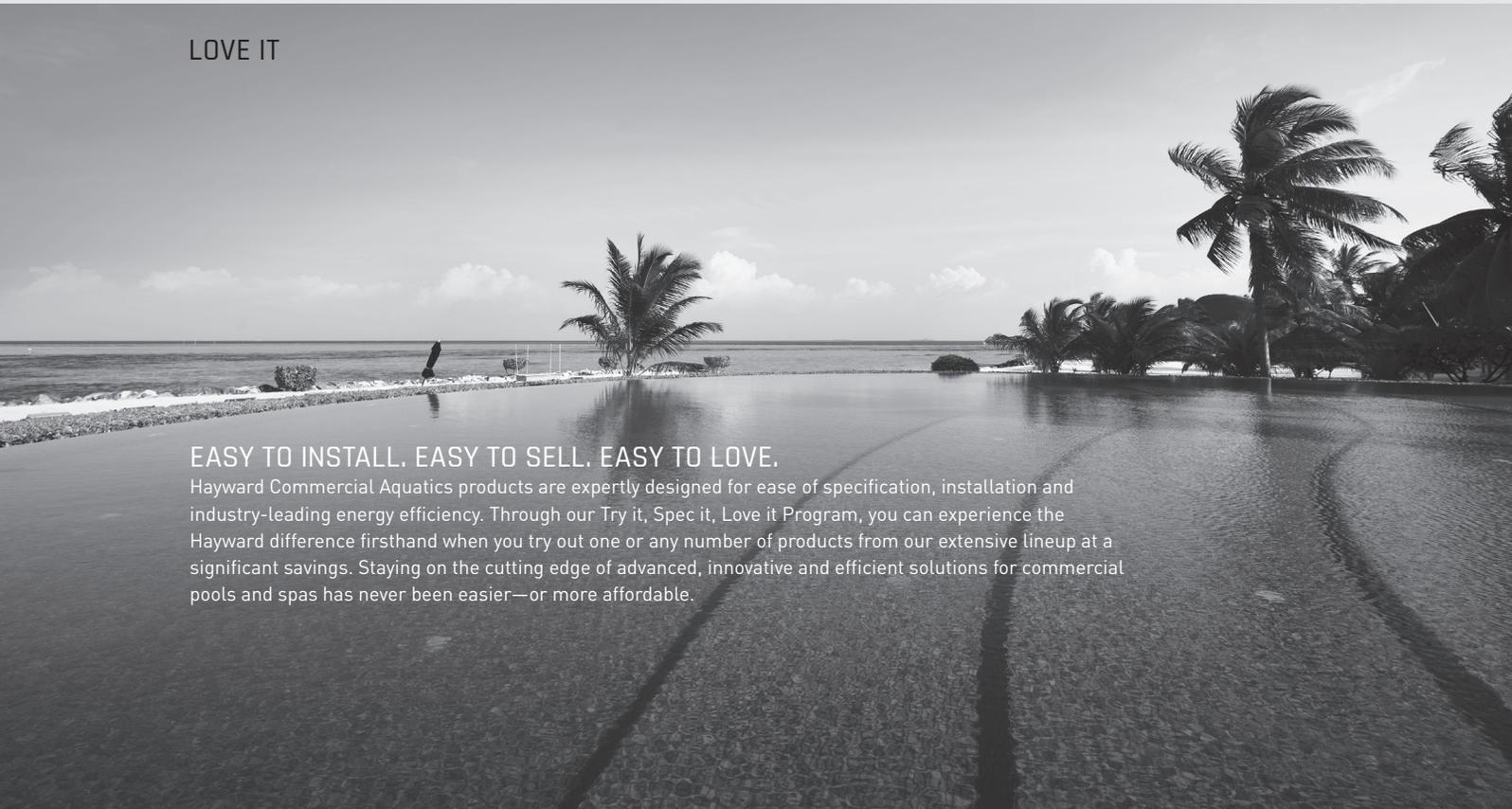


Visit [hayward.com/commercialpoolspecifications](http://hayward.com/commercialpoolspecifications) to view and download specifications for Hayward Commercial products.

### LOVE IT

#### EASY TO INSTALL. EASY TO SELL. EASY TO LOVE.

Hayward Commercial Aquatics products are expertly designed for ease of specification, installation and industry-leading energy efficiency. Through our Try it, Spec it, Love it Program, you can experience the Hayward difference firsthand when you try out one or any number of products from our extensive lineup at a significant savings. Staying on the cutting edge of advanced, innovative and efficient solutions for commercial pools and spas has never been easier—or more affordable.





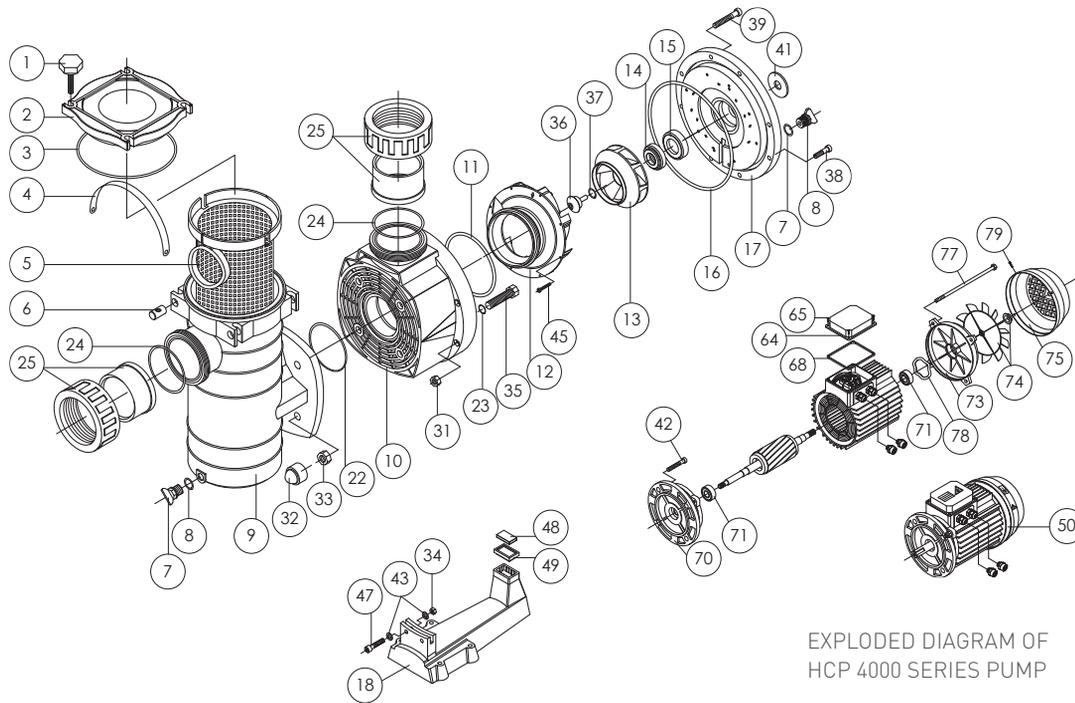


## Replacement Parts

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- 398 Commercial Pumps
- 403 Commercial Filters
- 408 Commercial Automation
- 409 Commercial Sanitization
- 411 Commercial Heaters
- 418 Commercial Cleaners
- 420 Commercial Flow Control
- 424 CAT Controllers

# Commercial Pumps

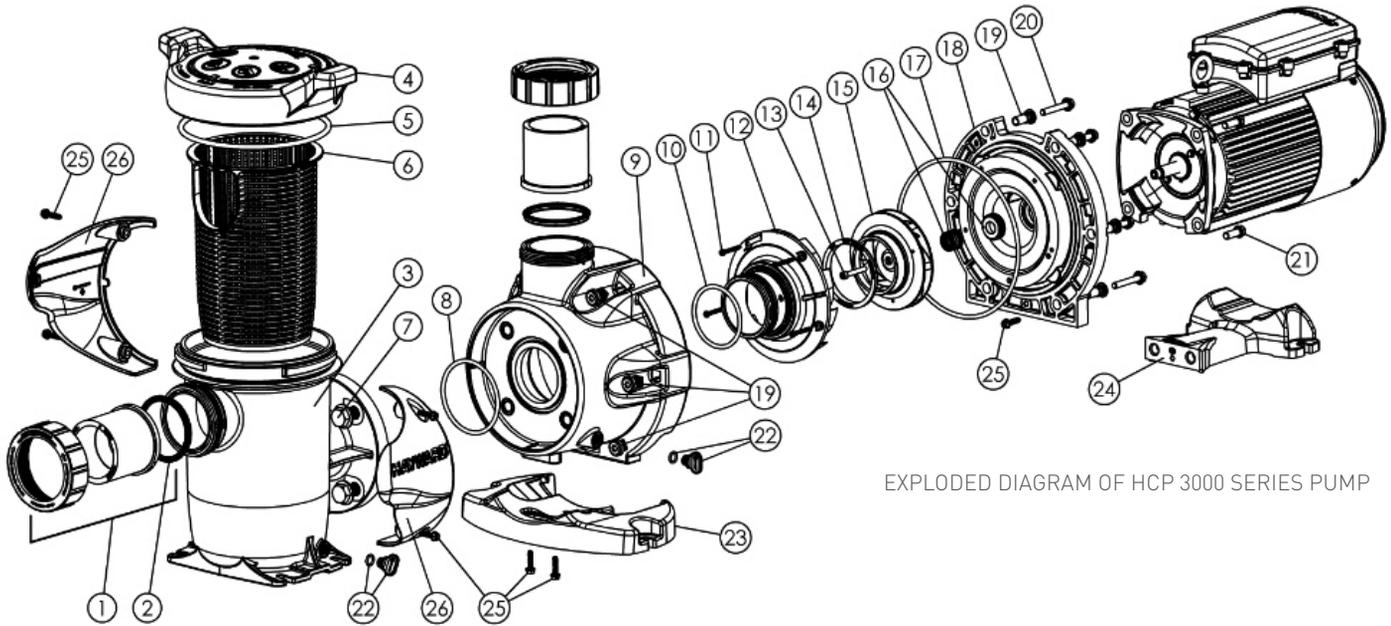


EXPLODED DIAGRAM OF  
HCP 4000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
<b>HCP 4000 SERIES</b>					
HCXP6000A	Lid Bolt Set	0610377136143	Cover Screw Pin	1 6	1
HCXP6001A	Pump Lid	0610377136150	Pump Lid Pump Lid O-Ring	2 3	1
HCXP6002A	Filter Basket	0610377136167	Filter Basket Handle	5 4	1
HCXP6004A	Seal Set	0610377136181	Diffuser Gasket Seal - spring Seal - ceramic Flange O-Ring Impeller O-Ring	11 14 15 16 37	1
HCXP6005A	Diffuser (HCP55/HCP75)	0610377136198	Diffuser 501/751 Screw DIN 7985 M3-45	12 45	1
HCXP6006A	Diffuser (HCP100/HCP125)	0610377136204	Diffuser 1001/1251 Screw DIN 7985 M3-45	12 45	1
HCXP6007A	Impeller HCP55	0610377136211	Impeller 501 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6008A	Impeller HCP75	0610377136228	Impeller 751 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6009A	Impeller HCP100	0610377136235	Impeller 1001 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6010A	Impeller HCP125	0610377136242	Impeller 1251 - 60Hz Impeller Stopper Impeller O-Ring	13 36 37	1
HCXP6012A	Pump Support	0610377136266	Pump Support Rubber Pad Supplement	18 48 49	1
HCXP6013A	Drain Plug Set	0610377136273	Drain Drain O-Ring	7 8	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
<b>HCP 4000 SERIES, CONTINUED</b>					
HCXP6014A	Pump Lid O-ring	0610377136280	Pump Lid O-Ring	3	1
HCXP6017A	Seal Plate	0610377136310	Plastic Flange	17	1
HCXP6018A	Seal Plate Screw Set	0610377136327	Nut DIN 934 M10 Screw DIN 912 M10 x 30 Screw DIN 912 M10 x 130	31 38 39	1
HCXP6019A	Union Connection Set (Qty of 2)	0610377136334	O-Ring Tail Piece & Nut	24 25	1
HCXP6020A	Motor Mounting Screw Kit	0610377136341	Screw DIN 912 M10x30	38	1
HCXP6021A	Pump Casing Bolts (Qty of 4)	0610377136358	Screw DIN 933 M16 x 40 Nut DIN 934 M16 O-Ring 16 x 3 Cover Screw	10 33 23 32	1
HCXP6022A	Pump Strainer Body	0610377136365	Filter Basket Body O-Ring Pump Casing 124 x 4	9 22	1
HCXP6023A	Pump Support Bolt Set	0610377136372	Screw DIN 912 M8 x 40 Washer DIN 125 M8 Nut DIN 934 M8	47 43 34	1
HCXP6024A	Kit Adaptor PG21 - 3/4" (Qty of 2)	0610377136389	PG21 by 3/4" NPT Adaptor	—	1
HCXP6025A	Strain Body O-ring	0610377209793	O-Ring Pump Casing 124 x 4	22	1
HCXP55MOTOR	HCP55 Motor	0610377136396	Motor 60Hz HCP 55	50	1
HCXP75MOTOR	HCP75 Motor	0610377136402	Motor 60Hz HCP 75	50	1
HCXP100MOTOR	HCP100 Motor	0610377136419	Motor 60Hz HCP 100	50	1
HCXP125MOTOR	HCP125 Motor	0610377136426	Motor 60Hz HCP 125	50	1
HCXP6050A	Bearings Set - HCP55	0610377136433	Bearing HCP 55	71	1
HCXP6051A	Bearings Set - HCP75/100/125	0610377136440	Bearing HCP 75/100/125	71	1
HCXP6066A	Fan Cover - HCP75/100/125	0610377136501	Fan Cover for HCP 75/100/125 - 60Hz Fan Cover Screw	75 79	1
HCXP6071A	Motor Flange - HCP75/100/125	0610377136525	Motor Flange HCP 75/100/125	70	1
HCXP6075A	Electrical Connection Lid	0610377136532	Connection Box Lid Lid Screw Motor Connection Box Gasket	64 65 68	1
HCXP6079A	Motor Tie Rods - HCP125 (Qty of 4)	0610377136587	Motor Screws HCP 125 Motor 60Hz	77	1

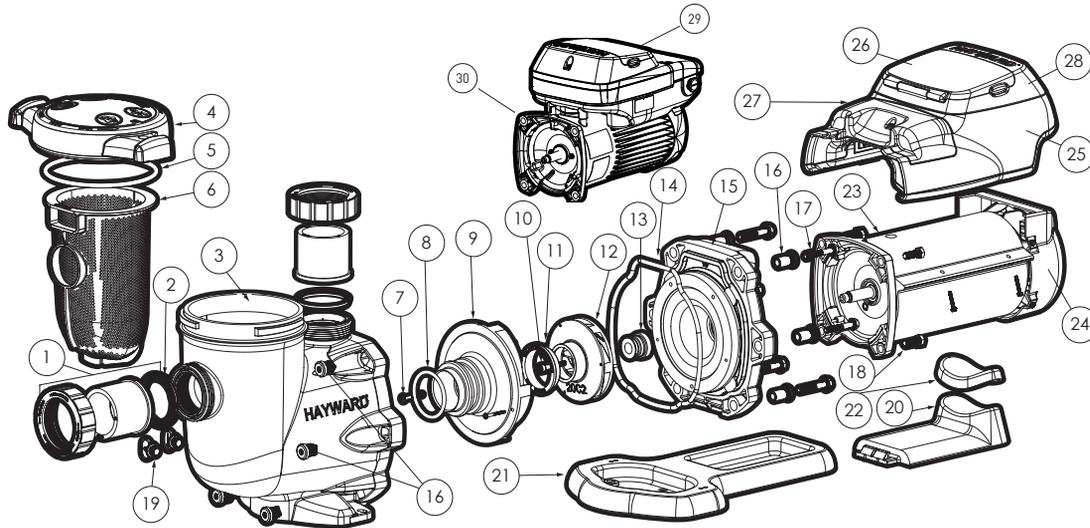




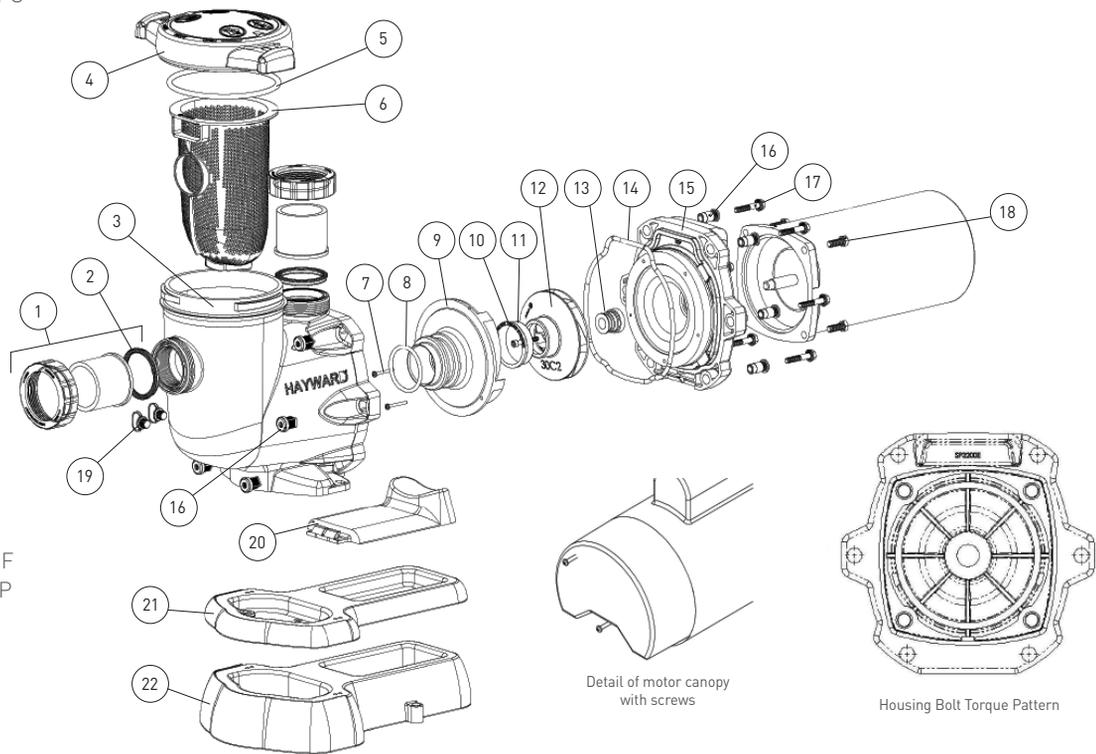
EXPLODED DIAGRAM OF HCP 3000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
<b>HCP 3000 SERIES</b>				
HCXP3000UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket - 2 each)	0610377341257	1	1
HCXP3000UG	Union Gasket	0610377341295	2	—
HCXP3000H	Strainer Housing with Drain Plug	0610377341325	3	1
HCXP3000DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-ring)	0610377341356	4	5
SPX4000S	Strainer Cover O-ring	0610377079242	5	50
HCXP3000M	Strainer Basket	0610377341448	6	1
HCXP343V70	Strainer Housing Flange O-ring	0610377341509	8	10
HCXP3000A	Pump Housing w/Drain Plug (Power Assembly Required VSP)	0610377341547	9	1
HCXP338V60	Diffuser O-ring	0610377341561	10	10
HCXP3000B	Diffuser, 2 - 5 HP	0610377341608	12	1
HCXP3000B2	Diffuser, 7 HP	0610377341622	12	1
SPX3200Z1	Impeller Screw	0610377912013	13	50
HCXP3000R	Impeller Ring, 2 - 5 HP	0610377341684	14	10
HCXP3001R	Impeller Ring, 7 HP	0610377341691	14	10
HCXP3020C	2 HP Impeller with Impeller Screw	0610377341714	15	10
HCXP3030C	3 HP Impeller with Impeller Screw	0610377341660	15	10
HCXP3050C	5 HP Impeller with Impeller Screw	0610377341615	15	10
HCXP3070C	7 HP Impeller with Impeller Screw	0610377341592	15	10
SPX4000SAV	Shaft Seal Assembly	0610377330459	16	10
HCXP369V70	Pump Housing O-ring	0610377341578	17	10
HCXP3000E	Seal Plate	0610377341554	18	1
HCXP3020Z1D	Motor, 2 HP, Three-Phase 208-230/460V	0610377341400	—	1
HCXP3030Z1D	Motor, 3 HP, Three-Phase 208-230/460V	0610377341363	—	1
HCXP3050Z1M	Motor, 5 HP, Single-Phase 208-230V	0610377341349	—	1
HCXP3050Z1D	Motor, 5 HP, Three-Phase 208-230/460V	0610377341332	—	1
HCXP3075Z1D	Motor, 7 HP, Three-Phase 208-230/460V	0610377341318	—	1
HCXP3020Z1VSPE	VSP power end 2.7 HP	0610377383349	—	1
SPX4000FG	Drain plug and gasket			

EXPLODED DIAGRAM OF HCP 2500 SERIES (TRISTAR® VS C) AND HCP3400VSP PUMP



PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
<b>HCP 2500 SERIES (TRISTAR® VS C) AND HCP3400VSP</b>				
SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket) (Qty of 2)	0610377912068	1	1
SPX3200UG	Union Gasket, 50D EPDM (Qty of 2)	0610377912075	2	1
SPX3200A	Pump Strainer Housing, 2" x 2-1/2" w/Drain Plugs, Threaded Style	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit (Includes Strainer Cover, Lock Ring, O-ring)	0610377911948	4	10
SPX3200S	Strainer Cover O-ring (New Power Assembly Required)	0610377911993	5	10
SPX3200M	Strainer Basket	0610377911979	6	15
SPX3200Z8	Diffuser Screw (5 Pack)	0610377912051	7	1
SPX4000Z1	Diffuser O-ring	0610377563666	8	10
SPX3200B3	Diffuser	0610377911924	9	1
SPX3200Z1	Impeller Screw	0610377912013	10	1
SPX3021R	Impeller Ring	0610377041393	11	1
SPX3220C	Impeller with Impeller Screw	0610377912129	12	10
SPX3200SA	Shaft Seal Assembly	0610377013123	13	10
SPX3200T	Housing O-ring	0610377912006	14	10
SPX3200E	Seal Plate	0610377911955	15	1
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	0610377912020	16	1
SPX3200Z3	Housing Bolt	0610377912037	17	10
SPX4000FG	Drain Plug w/O-ring	0610377551908	19	10
SPX3200GA	Bracket, Motor Support	0610377911962	20	1
SPX3200WF	Riser Base, Pentair® WhisperFlo®	0610377032605	21	1
SPX3200SR	Riser Base, Sta-Rite® Max-E-Pro,™ Max-E-Glas® Dura-Glas® and Dura-Glas II®	0610377032674	21	1
SPX3200Q	Adapter-Motor Support	0610377134408	22	10
SPX3400Z1ECM	Motor Assembly for HCP3400VSP	0610377134453	23	1
SPX3400FAN	Motor Fan Shroud	0610377134507	24	5
SPX3400DR4	Motor Drive Display Cover, Black	0610377134415	26	5
SPX3400DR2	Motor Drive Wiring Cover	0610377134422	27	5
HCP3400LCD	Digital Control Interface Assembly	0610377141079	28	1
SPX3200LCD	Digital Control Interface Assembly (HCP2500VSP)	0610377240741	29	1
SPX3400DRKIT	Wall Mount Kit	0610377135474	—	5
SPX3206Z1VSP	Power End Assembly For HCP2500VSP (Includes Items #7-17, 20, 22, 29, 30)	0610377383332	—	1

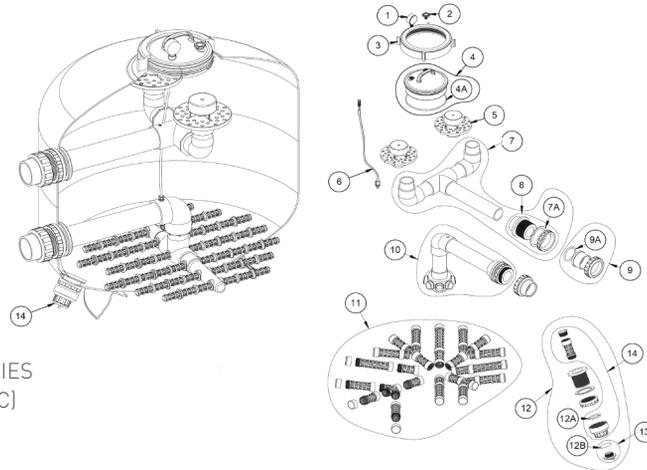


EXPLODED DIAGRAM OF HCP 2000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
<b>HCP 2000 SERIES (TRISTAR®) PUMP</b>				
SPX3200UNKIT	Union Connector Kit	0610377912068	1	10
SPX3200UG	Union Gasket	0610377912075	2	100
SPX3200A	Pump Strainer Housing	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit	0610377911948	4	10
SPX3200S	Strainer Cover O-ring	0610377911993	5	50
SPX3200M	Strainer Basket	0610377911979	6	2
SPX3200Z8	Diffuser Screw (5 Pack)	0610377912051	7	50
SPX4000Z1	Diffuser O-ring	0610377563666	8	50
SPX3200B3	Diffuser	0610377911924	9	5
SPX3200Z1	Impeller Screw	0610377912013	10	50
SPX3021R	Impeller Ring	0610377041393	11	50
SPX3205C	Impeller for ½ HP with Impeller Screw	0610377006187	12	10
SPX3207CM	Impeller for ¾ HP with Impeller Screw	0610377013406	12	10
SPX3210C	Impeller for 1 HP with Impeller Screw [Full Rate]	0610377912105	12	10
SPX3215C	Impeller for 1½ HP with Impeller Screw	0610377912112	12	10
SPX3220C	Impeller for 2 HP with Impeller Screw [Full Rate]	0610377912129	12	10
SPX3230C	Impeller for 3 HP with Impeller Screw	0610377912136	12	10
SPX3230C5	Impeller for 5 HP with Impeller Screw	0610377019187	12	10
SPX3200SA	Shaft Seal Assembly	0610377013123	13	10
SPX3200T	Housing O-ring	0610377912006	14	50
SPX3200E	Seal Plate	0610377911955	15	5
SPX3200Z211	Housing Insert/Seal Plate Spacer Kit	0610377912020	16	50
SPX3200Z3	Housing Bolt	0610377912037	17	50
SPX4000FG	Drain Plug with O-ring	0610377551908	19	50
SPX3200GA	Bracket, Motor Support, TriStar	0610377911962	20	5
SPX3200WF	Base, Short Riser, TriStar	0610377032605	21*	1
SPX3200SR	Base, Tall Riser, TriStar	0610377032674	22*	1

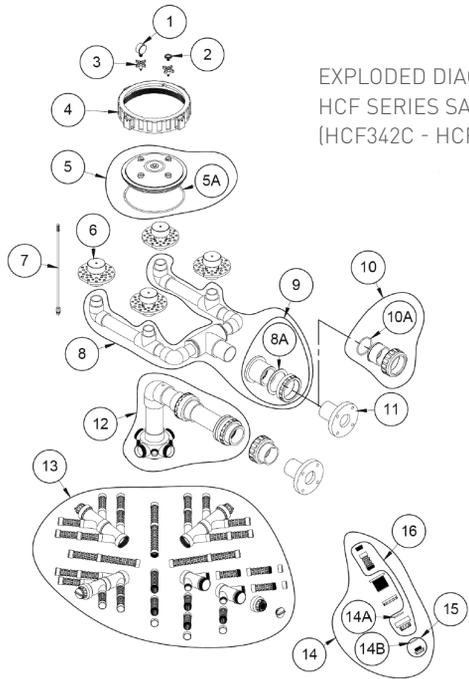
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# Commercial Sand Filters

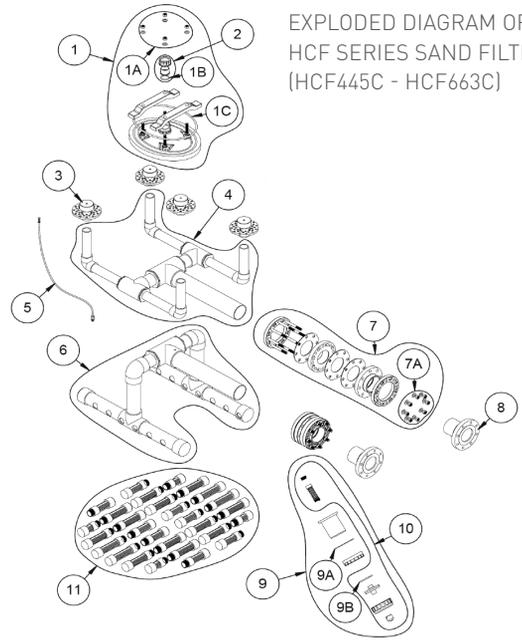


EXPLODED DIAGRAM OF HCF SERIES SAND FILTER (HCF230C - HCF336C)

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
<b>HCF SERIES SAND FILTER (HCF230C - HCF336C)</b>		
HXFWPG001	Pressure Gauge 0-60 PSI	1
HXFWARV002	Air Relief Valve & O-Ring Kit	2
HXFWLR003	Top Lid Locking Ring	3
HXFWLIDKIT004	8" Clear Lid & O-Ring Kit	4
HXFWLOR004A	8" Clear Lid O-Ring	4A
HXFWDIF005	2" Diffusor Hydrodome	5
HXFWVTKIT006	Vent Tube Kit	6
HXFW2DIS007	HCF230C - 2" Distributor Assy	7
HXFW2DIS107	HCF234C - 2" Distributor Assy	7
HXFW2DIS207	HCF236C - 2" Distributor Assy	7
HXFW2DIS307	HCF336C - 3" Distributor Assy	7
HXFW2BHG007A	2" Bulkhead Gasket (2 per pack)	7A
HXFW2BHG207A	2.5" Bulkhead Gasket (2 per pack)	7A
HXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	7A
HXFW2BHK008	2" Bulkhead Kit	8
HXFW2BHK208	2.5" Bulkhead Kit	8
HXFW2BHK308	3" Bulkhead Kit	8
HXFW2UNAD009	2" Union Half Adapter	9
HXFW2UNAD209	2.5" Union Half Adapter	9
HXFW2UNAD309	3" Union Half Adapter	9
HXFW2UNAOR009A	2" Union O-Ring (2 per pack)	9A
HXFW2UNAOR209A	2.5" Union O-Ring (2 per pack)	9A
HXFW2UNAOR309A	3" Union O-Ring (2 per pack)	9A
HXFW2COL010	HCF230C - 2" Collector Assy	10
HXFW2COL110	HCF234C - 2" Collector Assy	10
HXFW2COL210	HCF236C - 2.5" Collector Assy	10
HXFW2COL310	HCF336C - 3" Collector Assy	10
HXFWLATKIT011	HCF230C - Lateral Kit	11
HXFWLATKIT111	HCF234C - Lateral Kit	11
HXFWLATKIT211	HCF236C - Lateral Kit	11
HXFWLATKIT311	HCF336C - Lateral Kit	11
HXFWDPA012	1.5" Drain Port Assy	12
HXFWDPA012A	Media Drain Cap O-Ring	12A
HXFWDPA012B	Water Drain Plug O-Ring	12B
HXFWDPCKIT013	Water Drain Plug & O-Ring Kit	13
HXFWDPCKIT014	Water Drain Cap & O-Ring Kit	14



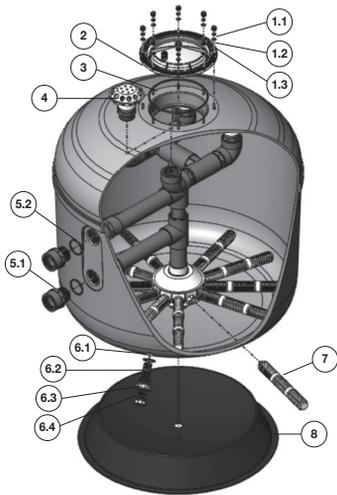
EXPLODED DIAGRAM OF  
HCF SERIES SAND FILTER  
(HCF342C - HCF348C)



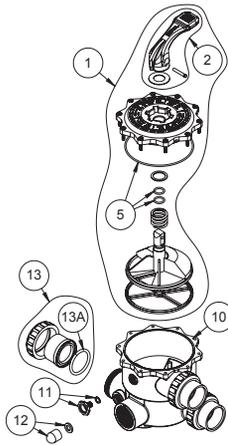
EXPLODED DIAGRAM OF  
HCF SERIES SAND FILTER  
(HCF445C - HCF663C)

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
<b>HCF SERIES SAND FILTER (HCF342C - HCF348C)</b>		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWKNOB3	Knob for Clear 12" Lid	3
HCXFWLR004	12" Filter Lock Ring	4
HCXFWLIDKIT005	12" Lid Kit	5
HCXFWLOR005A	12" Lid O-Ring	5A
HCXFWDIF005	2" Diffusor Hydrodome	6
HCXFWVTKIT006	Vent Tube Kit	7
HCXFW3DIS008	HCF342C - 3" Distributor Assy	8
HCXFW3DIS108	HCF348C - 3" Distributor Assy	8
HCXFW2BHG307A	3" Bulkhead Gasket [2 per pack]	8A
HCXFW2BHK308	3" Bulkhead Kit	9
HCXFW2UNAD309	3" Union Half Adapter	10
HCXFW2UNAOR309A	3" Union O-Ring [2 per pack]	10A
HCXFW3FLGFPASSY	3" Flange Fipt & Pipe Mipt Assy	11
HCXFW3COL012	HCF342C - 3" Collector Assy	12
HCXFW3COL112	HCF348C - 3" Collector Assy	12
HCXFWLATKIT013	HCF342C - Lateral Kit	13A
HCXFWLATKIT113	HCF348C - Lateral Kit	13B
HCXFWDPA012	1.5" Drain Port Assy	14
HCXFWDPOR012A	Media Drain Cap O-Ring	14A
HCXFWDPOR012B	Water Drain Plug O-Ring	14B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	15
HCXFWDPCKIT014	Media Drain Cap & O-Ring Kit	16

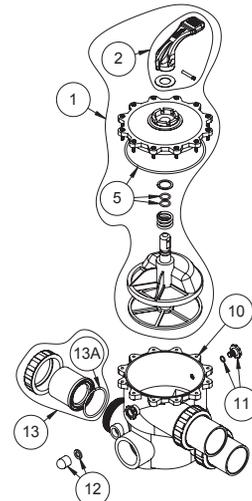
PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
<b>HCF SERIES SAND FILTER (HCF445C - HCF663C)</b>		
HCXFWLIDKIT001	Complete Lid Assy	1
HCXFW1216HDWR	Lid Nut & Washer Kit	1A
HCXFWDPOR012A	1.5" Union O-Ring	1B
HCXFWLOR001C	Filter Lid O-Ring	1C
HCXFW3UNAD002	1.5" Union Half Adapter	2
HCXFWDIF005	2" Diffusor Hydrodome	3
HCXFW4DIS004	HCF455C - 4" Distributor Assy	4
HCXFW6DIS004	HCF663C - 6" Distributor Assy	4
HCXFWVTKIT005	Vent Tube Kit	5
HCXFW4COL006	HCF445C - 4" Collector Assy	6
HCXFW6COL006	HCF663C - 6" Collector Assy	6
HCXFWPA4007	4" Port Assembly	7
HCXFWPA6007	6" Port Assembly	7
HCXFWPANW4007A	4" Port Assy Nut & Washer Kit	7A
HCXFWPANW6007A	6" Port Assy Nut & Washer Kit	7A
HCXFW4FLGFPASSY	4" Flange Fipt & Pipe Mipt Assy	8
HCXFW6FLGFPASSY	6" Flange Fipt & Pipe Mipt Assy	8
HCXFWDPA009	3" Drain Port Assy	9
HCXFW2BHG307A	3" Bulkhead Gasket [2 per pack]	9A
HCXFW2UNAOR309A	3" Union O-Ring [2 per pack]	9B
HCXFWDPCKIT010	Media Drain Cap Kit	10
HCXFWLATKIT511	HCF455C - Lateral Kit	11
HCXFWLATKIT	HCF663C Lateral Kit	1



EXPLODED DIAGRAM OF  
HCF SERIES SAND  
FILTER (HCF230, HCF234, HCF236)

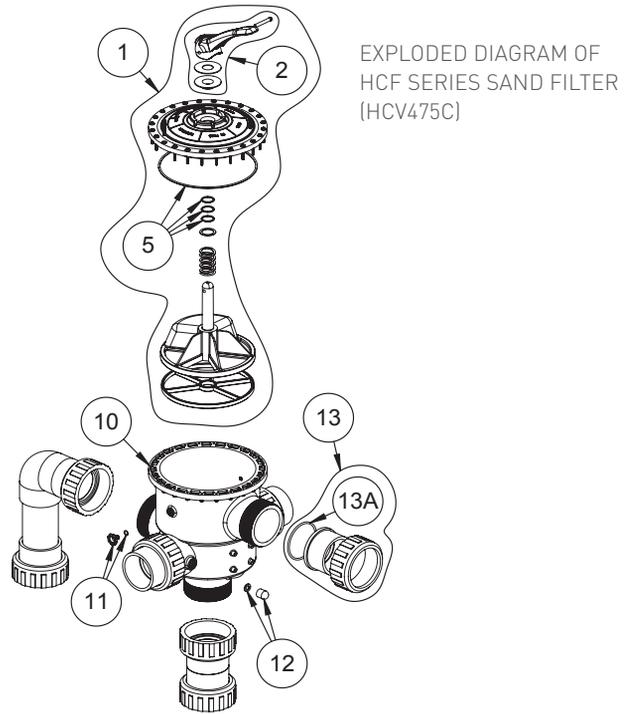
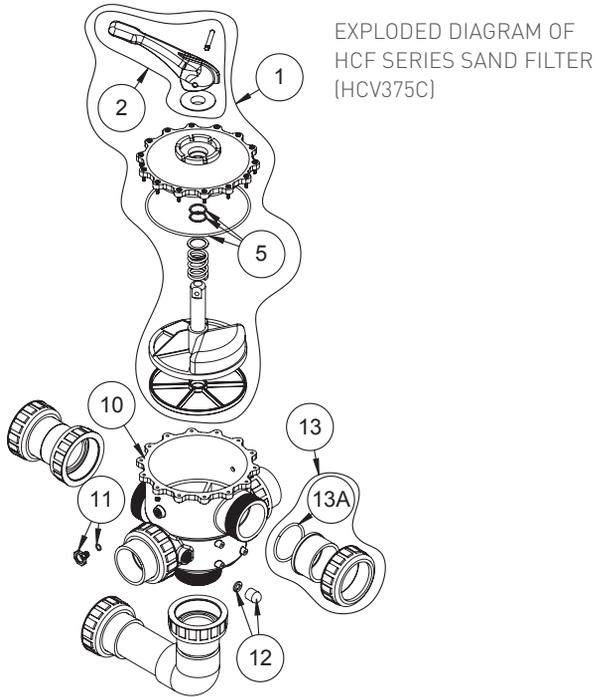


EXPLODED DIAGRAM OF  
HCF SERIES SAND FILTER  
(HCV275C)



EXPLODED DIAGRAM OF  
HCF SERIES SAND FILTER  
(HCV2575C)

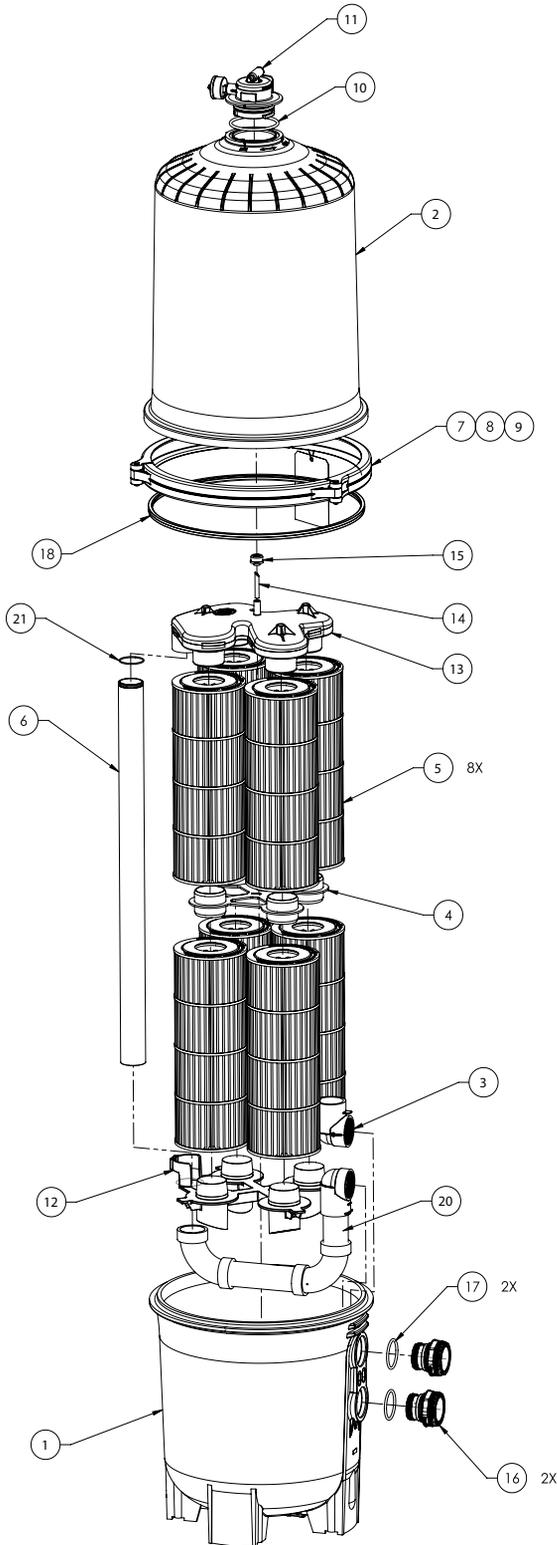
PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
<b>HCF SERIES SAND FILTER (HCF230, 234, 236)</b>		
HCXFMCH1000	Lid Hardware Kit (Contains 8 sets per kit)	1.1, 1.2, 1.3
HCXFMCL1000	Polycarbonate Manway Cover	2
HCXFKLOR2	Manway Cover O-ring	3
HCXFDIF1000	Diffuser	4
HCXFBHE1000	Bulkhead Fitting Kit	5.1, 5.2
HCXFDK1000	Drain Kit	6.1, 6.2, 6.3, 6.4
HCXFLAT0825	HCF230 - 8.25" Lateral Kit (2 Laterals per kit)	7.1
HCXFLAT1050	HCF234 - 10.5" Lateral Kit (2 Laterals per kit)	7.2
HCXFLAT1250	HCF236 - 12.5" Lateral Kit (2 Laterals per kit)	7.3
HCXFBHI1000	Internal Bulkhead Kit includes (Pipe and Coupling)	8.1, 8.2, 8.3, 8.4
HCXFAR1000	External Air Relief Assy	—
HCXFARK1000	Internal Collector Air Relieve Kit	—
<b>HCF SERIES SAND FILTER (HCV275C)</b>		
HCXMVINT275	HCV275C Valve Int Assy	1
HCXMVHNDLKIT	HCV2/25 Handle Kit	2
HCXMVORKIT	HCV275C O-Ring Kit	5
HCXMVBDY2	MPV 2" Body	10
HCXMVARPL	Air Release Vlv & O-Ring	11
HCXMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD009	2" Union Half Adapter	13
HCXFW2UNAOR009A	2" Union O-Ring (2 Pk)	13A
<b>HCF SERIES SAND FILTER (HCV2575C)</b>		
HCXMVINT2575	HCV2575C Valve Int Assy	1
HCXMVHNDLKIT	HCV2/25 Handle Kit	2
HCXMVORKIT	HCV2575C O-Ring Kit	5
HCXMVBDY25	MPV 2½" Body	10
HCXMVARPL	Air Release Vlv & O-Ring	11
HCXMVSTGKIT	Sightglass & O-Ring Kit	12
HCXFW2UNAD209	2.5" Union Half Adapter	13
HCXFW2UNAOR209A	2.5" Union O-Ring (2 Pk)	13A



PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER
HCXMVINT375	HCV375C Valve Int Assy	1
HCXMHNDLKIT3	HCV375C Handle Kit	2
HCXMVORKIT	HCV375C O-Ring Kit	5
HCXMVBDY3	MPV 3" Body	10
HCXMVARPL	Air Release Vlv & O-Ring	11
HCXMVSTGKIT	Sightglass & O-Ring Kit	12
HCFW2UNAD309	3" Union Half Adapter	13
HCFW2UNA0R309A	3" Union O-Ring (2 Pk)	13A

PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER
HCXMVINT475	HCV475C Valve Int Assy	1
HCXMHNDLKIT4	HCV475C Handle Kit	2
HCXMVORKIT4	HCV475C O-Ring Kit	5
HCXMVBDY4	MPV 4" Body	10
HCXMVARPL4	Air Release Vlv & O-Ring	11
HCXMVSTGKIT4	Sightglass & O-Ring Kit	12
HCFW2UNAD409	2.5" Union Half Adapter	13
HCFW2UNA0R409A	2.5" Union O-Ring (2 Pk)	13A

# Commercial Cartridge Filters



Drawing Number	Size/ DESCRIPTION	PART NUMBER	QTY.
1	BODY-FILTER,PLATINUM,SHASTA	DE2420A3	1
2	HEAD-FILTER,72",PLATINUM	DE7220BX3	1
3	ELBOW	C3030F	1
4	MID PLATE ELEMENT CONNECTOR	C7020M	1
5	ELEMENT, CARTRIDGE FILTER	C59L E	8
6	PIPE, OUTLET 37.25"	C303L F1 0	1
7	CLAMP-FILTER-3 SECTION	DE242L J	1
8	BOLT	DE242 L J2Z3S	1
9	CLAMP NUT	DE242U2Z4	1
10	O-RING #348	DE2420AR9	1
11	MANUAL AIR RELIEF ASSEMBLY	DE2420MAR2	1
12	CARTRIDGE MOUNTING PLATE	C3030D	1
13	MANIFOLD ASSY, TOP	C5030C	1
14	TUBE, AIR	C2030Z3	1
15	END CAP-BLEEDER TUBE	C3000J1	1
16	FITTING-BULKHEAD 2 L /2"	C3035F	2
17	O-RING, SIZE# 2-333	S220Z2	2
18	SEAL MATERIAL	DE2422Z2	1
19	UNION KIT	SP3200UNKIT	1
20	ASSY, SWIM CLEAR PIPING	C3030H	1
21	O-RING # 139 -OUTLET PIPE-	DE2400Z5	1
22	PLUG W/O-RING, THO L-1/2" (BLACK)	SP1022CBLK	1
23	CARTON-CART FILTER, SWIMCLEAR	CCN7022CF	1

EXPLODED DIAGRAM OF  
HCF SERIES CARTRIDGE FILTER

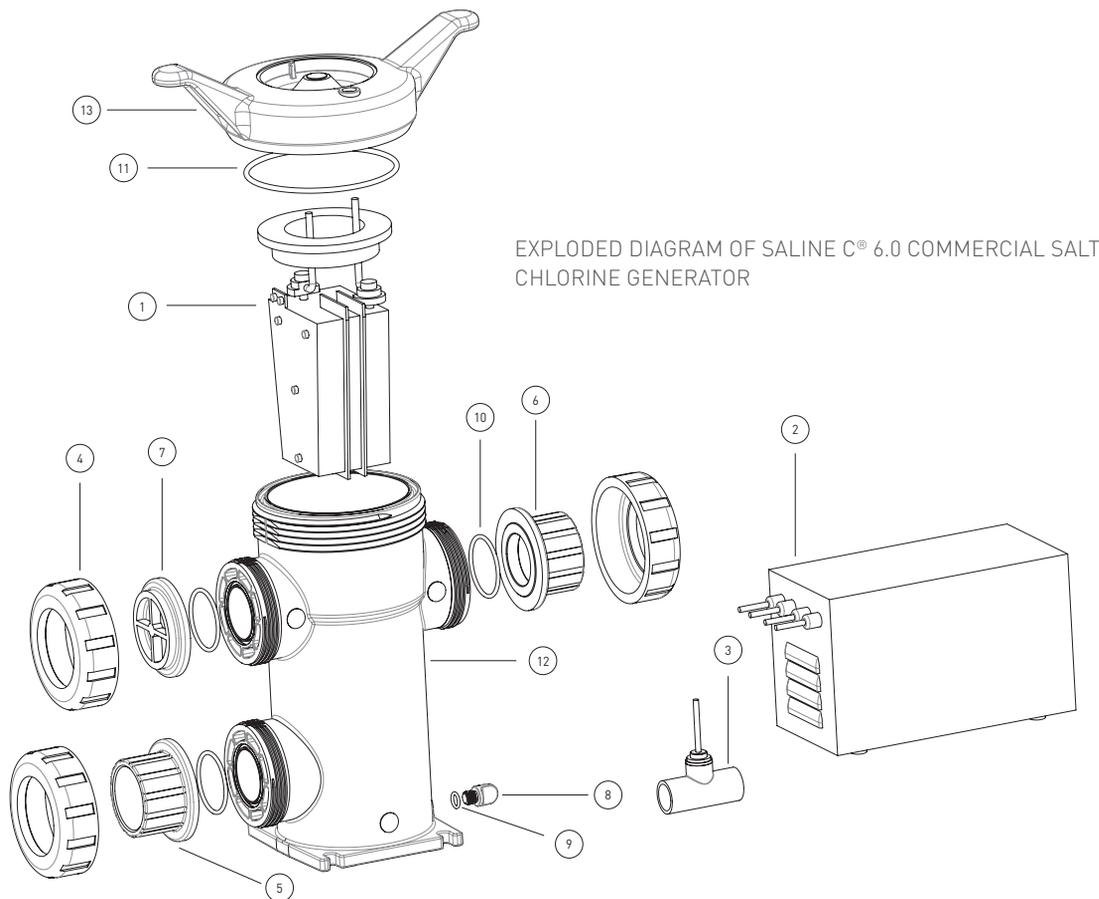
# Commercial Automation

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
CAX-20100	5 Amp Fuse	0761418012510	1
CAX-20101	1 Amp Fuse	0761418012527	1
CAX-20102	4 Amp Fuse	0761418012534	1
CAX-20275	10 Amp Fuse	0761418013135	1
CAX-20110	Thermal Printer Paper Per Roll	0761418012619	1
CAX-20150	Replacement Coil For AC015 or AC018	0761418012626	1
CAX-20151	1/8" SS Solenoid Valve	0761418012633	1
CAX-20152	Replacement CO_{2} Injector	0761418012640	1
CAX-AK4010W	Stenner Lead Tube - White 100' x 1/4"	0761418012688	1
CAX-UCCP201-1	Stenner #1 Pump Tube (Qty of 2)	0761418013340	1
CAX-UCCP201-2	Stenner #2 Pump Tube (Qty of 2)	0761418013357	1
CAX-UCCP201-3	Stenner #3 Pump Tube (Qty of 2)	0761418013364	1
CAX-UCCP201-4	Stenner #4 Pump Tube (Qty of 2)	0761418013371	1
CAX-UCCP201-5	Stenner #5 Pump Tube (Qty of 2)	0761418012695	1
CAX-MCCP201-1	Stenner #1 Pump Tube (Qty of 5)	0761418013388	1
CAX-MCCP201-2	Stenner #2 Pump Tube (Qty of 5)	0761418013395	1
CAX-MCCP201-3	Stenner #3 Pump Tube (Qty of 5)	0761418013401	1
CAX-MCCP201-4	Stenner #4 Pump Tube (Qty of 5)	0761418013418	1
CAX-MCCP201-5	Stenner #5 Pump Tube (Qty of 5)	0761418013425	1
CAX-20200	Pressure Switch Complete w/Cable	0761418012718	1
CAX-20201	Pressure Switch Only	0761418012725	1
CAX-20203	Rotary Flow Sensor	0761418012749	1
CAX-20204	Clear Lens and O-ring	0761418012756	1
CAX-20205	Blue Rotor and Ceramic Pin	0761418012763	1
CAX-20206	Float Style Flow Switch For Molded Flow Cell	0761418012770	1
CAX-20250	Probe Adaptor For Professional Series Sensors	0761418012787	1
CAX-20251	2 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	0761418012794	1
CAX-50251	3 - Sensor - Flow Cell Kit Without Rotary Flow Sensor	0610377337090	1
CAX-20252	3/8" OD Blue Flexible Tubing by the Foot	0761418012800	1
CAX-20271	3/8" OD Black UV Flexible Tubing by the Foot	0761418013432	1
CAX-20253	1/4" NPTM x 3/8" OD Speedfit Connectors	0761418012817	1
CAX-20254	1/4" Asahi Ball Valves	0761418012824	1
CAX-20255	1/4" Check Valve	0761418012831	1
CAX-20256	1/4" In-Line Strainer	0761418012848	1
CAX-20257	Flow Cell Arm Assembly	0761418012855	1
CAX-20258-1	PVC Backboard 10" x 14"	0761418012947	1
CAX-20258-2	PVC Backboard 16" x 16"	0761418012930	1
CAX-20258-3	PVC Backboard 16" x 21"	0761418012954	1
CAX-20258-4	PVC Backboard 24" x 24"	0761418012961	1
CAX-20260	1/4" Parker Straight Valve	0761418012886	1
CAX-20272	2 Sensor - Flow Cell, Molded	0761418013449	1
CAX-50272	3 Sensor - Flow Cell, Molded	0610377337106	1
CAX-20273	Cover Replacement Cover - CO_{2}	0761418013111	1
CAX-20274	Probe Storage Cap	0761418013128	1

# Commercial Sanitization

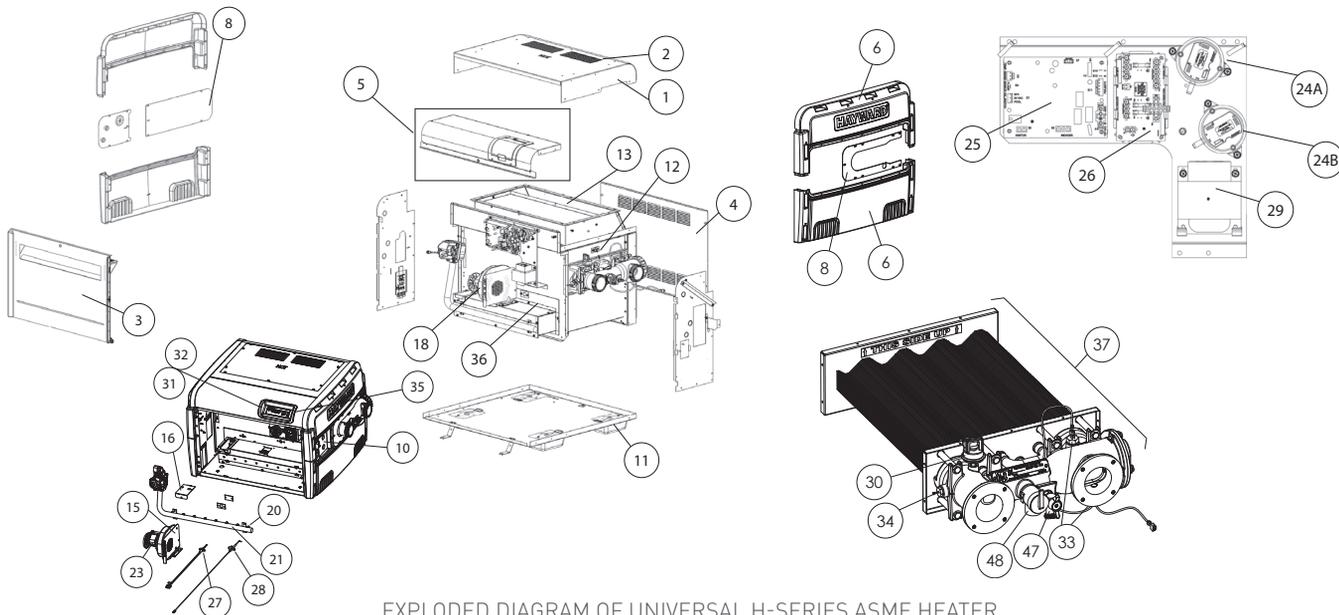
PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
CAX-20276	Screen for 1/4" In-Line Strainer	0610377143233	1
CAX-3504	AC035 - PVC Crystal Suction Tube (Soft/Clear) (13' Roll)	0610377205504	1
CAX-3505	AC035 - PVC Crystal Suction Tube (Soft/Clear) (300' Roll)	0610377285612	1
CAX-3508	AC035 - 3 x 7 Santoprene <sup>®</sup> Feed Tube 6.14GPD	0610377205528	1
CAX-3509	AC035 - Roller Assembly	0610377205535	1
CAX-3510	AC035 - Foot Filter - Weighted Suction Strainer - Polypropylene - w/Ceramic Weight	0610377233002	1
CAX-3511	AC035 - Next Generation 1/4" Injection Check Valve	0610377261692	1
CAX-3512	AC035 - 3 x 7 Santoprene Feed Tube - 31GPD	0610377261708	1
CAX-3513	AC035 - Clear Front Cover	0610377258692	1
CAX-6001	Plastic, Flow Cell, Hybrid II, Machined - Unassembled, Hayward <sup>®</sup> CAT 6000 <sup>™</sup>	TBD	1
CAX-6002	Plastic, Bracket, Mount, Wall, Hayward CAT 6000	TBD	1
CAX-6003	Plastic, Flow Cell Mount, Hayward CAT 6000	TBD	1
CAX-6004	Bracket, Flow Cell Mounting Plate, Stainless, Hayward CAT 6000	TBD	1
CAX-6005	Chlorine Sensor Battery Bias, Hayward CAT 6000	TBD	1
CAX-6006	Cable, AC Power Assembly 120 VAC, Hayward CAT 6000	TBD	1
HXC015	HCC2000 pH Sensor - w/Hayward Label	0610377142144	1
HXC025	HCC2000 ORP Sensor - w/Hayward Label	0610377142151	1
HXC025AU	HCC2000 ORP Sensor Gold - w/Hayward Label	0610377142168	1

SUPPLEMENTAL	SECONDARY (L4)	Part Number	Size / Description	Carton Qty
X		HYXUVDSPCK	Replacement UV Display	1
	X	HYXUVDSPCKL4	Replacement UV L4 Display (needs to be programmed, Instructions required)	1
X	X	HYXUVBALCK	Replacement UV Ballast	1
X	X	HYXUVQTZCK	Replacement UV Quartz Sleeve Kit - Complete	1
X	X	HYXUVLAPCK	Replacement UV Lamp	1
X		HYXUVSECK	Replacement UV Sensor Kit - Complete	1
	X	HYXUVSECKL4	Replacement UV Sensor Kit L4 Version - Complete	1
	X	HYXUVSECKL4KIT		1
X	X	HYXUVEXTCK	Replacement UV Lead Wire	1
X		HYXUVFL240CK	Replacement UV Flow Switch for Model (2 Pin) 240PVC/480PVC (2 Pin)	1
	X	HYXUVFL240CKL4	Replacement UV Flow Switch for Model 240PVC/480PVC L4 (3 Pin)	1
X	X	HYXAIRBLEEDKIT	Air Bleed Kit	1
X	X	HYXCONTACT	Contactoer	1
X	X	HYXSACZKIT	KIT SACRIFICIAL ZINC ANODE 3/8" (PVC), Check Anually, Up to 5yrs.	1
X	X	HYXUVEXTCBL12	POWER SUPPLY UV LAMP LEAD WIRE 12'	1
	X	HYXDFLOWL4	Digital Flow Meter Adapter - 5 to 24V DC	1
	X	HYXAMONL4	Lamp Current Monitor 2 - L4 - One Per A UV Bulb	1
	X	HYXPMPDSCL4	Pump Shut/OFF Box - 30Amp 240V - Single Phase	1
X	X	HYXCHAMB75	120PVC CR Chamber	1
X	X	HYXCHAMB150	240PVC CR Chamber	1
X	X	HYXCHAMB400	480PVC CR Chamber	1



PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER	CARTON QTY
<b>SALINE C® 6.0</b>			
HXSCELL6	Replacement Cell & Cover	1	1
HXSPTS6	Power Supply	2	1
HXSFLS6	Flow Sensor	3	1
HXCXXX	Replacement Cell Cables, Connector & Gray Cap	—	1
BSXC201CK	2" Clear Body	12	1
TBX122	2" PVC True Union Ball Valve Assembly Nut	4	3
ECX12S	2" PVC Pipe Connector Socket	6	2
ECX12T	2" PVC Pipe Connector Threaded	5	2
BSX1CAP2	2" PVC Port Cap	7	1
BSX1PLUG2	1" PVC Plug	8	1
ORX352V70	Piston Lid O-ring	13	1
SB2KIT	O-ring #111 Viton 70 Duro - OR111V70	9	3
	O-ring #227 Viton 70 Duro - OR227V70	10	
SB2KIT	O-ring #357 Viton 70 Duro - OR357V70	11	3
<b>SALINE C® 11.0</b>			
HXCXXX	Replace cell cables, connector, gray cap	—	1
HXCXXX11	CAP-GR cables, connect Saline 11	—	1
HXDISP611	Power supply, LCD display	—	1
HXSCELL11	Cell & cover, Saline 11	—	1
HXSFLS11	Flow sensor, Saline 11	—	1
HXSPTS11	Power supply, Saline 11	—	1
BSCX401CK	4" Clear Body	12	1
BSX142	4" PVC True Union Ball Valve Assembly Nut	4	3
ECX14SBS	4" PVC Pipe Connector Socket	6	2
ECX14TBS	4" PVC Pipe Connector Threaded	5	2
BSX1CAP3	4" PVC Port Cap	7	1
BSX1PLUG2E	2" PVC Plug	8	1
ORX365V70	Piston Lid O-ring	13	1
SB4KIT	O-ring #111 Viton 70 Duro - OR111V70	9	3
	O-ring #365 Viton 70 Duro - OR365V70	10	
SB4KIT	O-ring #352 Viton 70 Duro - OR352V70	11	3

# Commercial Heaters



EXPLODED DIAGRAM OF UNIVERSAL H-SERIES ASME HEATER

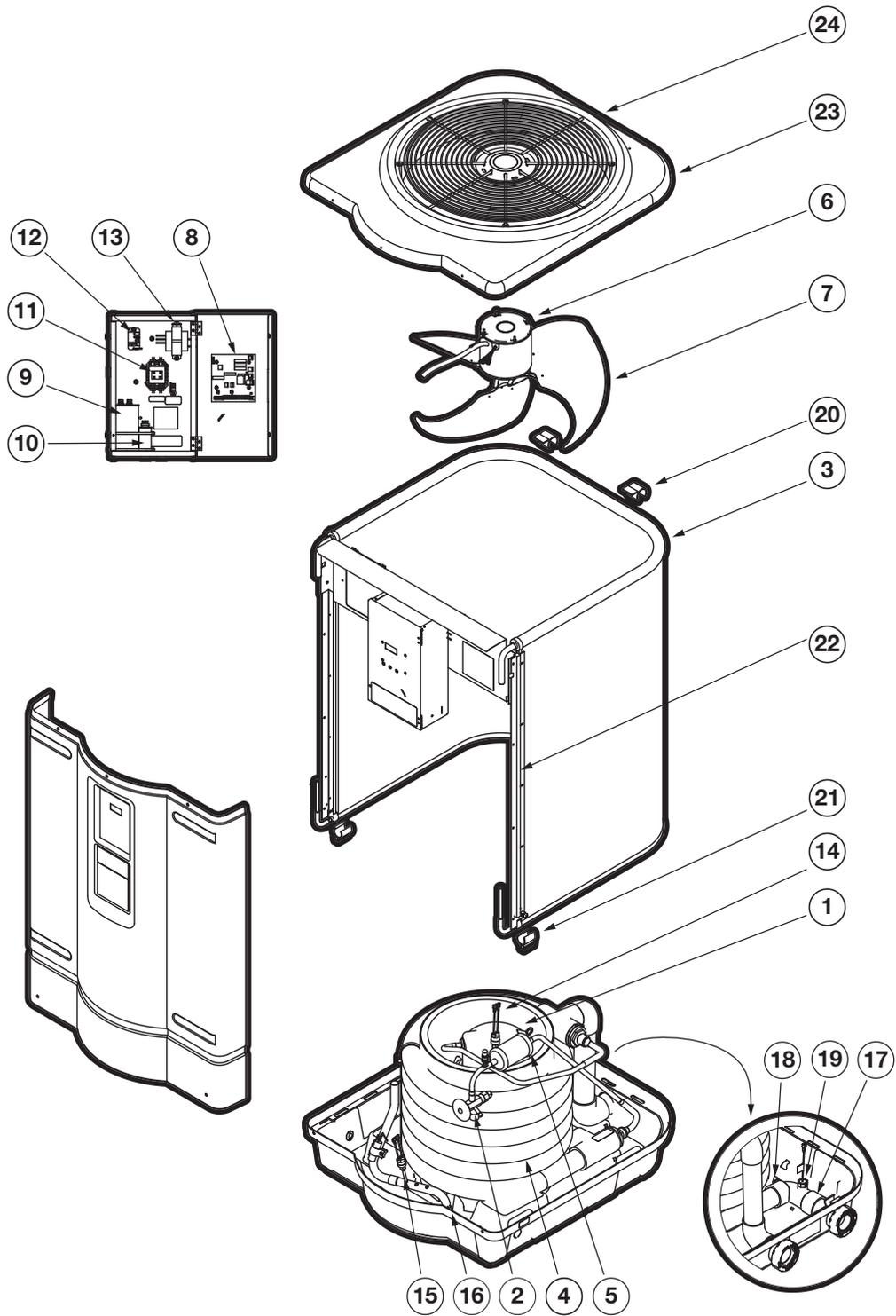
PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
<b>UNIVERSAL H-SERIES ASME HEATERS</b>			
FDXLJKT1251	Jacket Top, Taupe, ASME - H250FD	0610377396448	1
FDXLJKT1401	Jacket Top, Taupe, ASME - H400FD	0610377396400	1
FDXLFAD1250	Front Door Assembly, Taupe, ASME - H250FD	0610377072465	3
FDXLFAD1400	Front Door Assembly, Taupe, ASME - H400FD	0610377072489	3
FDXLRAD1250	Rear Door Assembly, Taupe, ASME - H250FD	0610377072496	4
FDXLRAD1400	Rear Door Assembly, Taupe, ASME - H400FD	0610377072519	4
FDXBCP1250	Kit-Bezel Control Panel, Black, With Door, H250FD	0610377330787	5
FDXBCP1400	Kit-Bezel Control Panel, Black, Without Door, H400FD	0610377330817	5
FDXLBEC1930	Upper & Lower End Cap	0610377072557	6
FDXLRTP1930	Right Side Trim Panel	0610377072588	8
FDXLLTP1930	Left Side Trim Panel	0610377072571	8
FDXLP LRC1930	Kit - Junction Box Cover, Polymer L&R	0610377297608	10
FDXLPBL1930	Base Leg	0610377072618	11
FDXLFCS1930	Flue Collector Side Panel	0610377072625	12
FDXLRGK1251	Rain Guard Assembly - H250FD	0610377132435	13
FDXLRGK1401	Rain Guard Assembly - H400FD	0610377132466	13
FDXLIAC1930	Ignitor Access Cover	0610377072724	16
FDXLBON1930	Burner Orifice Kit, Natural Gas	0610377072786	20
FDXLBOP1930	Burner Orifice Kit, Propane Gas	0610377072793	20
FDXLGCKW250NP	Conversion Kit, NA to LP, Quick-Change - H250FD	0610377430661	21
FDXLGCKW250PN	Conversion Kit, LP to NA, Quick-Change - H250FD	0610377430654	21
FDXLGCKW400NP	Conversion Kit, NA to LP, Quick-Change - H400FD	0610377430593	21
FDXLGCKW400PN	Conversion Kit, LP to NA, Quick-Change - H400FD	0610377430586	21
FDXLBWR1930	Combustion Blower	0610377072847	23
FDXLVPS1930	Vent Pressure Switch	0610377099387	24A
FDXLBVS1930	Blower Vacuum Switch	0610377099907	24B
FDXLCNSKTA	Consumer Kit, (not shown)	-	-

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
<b>UNIVERSAL H-SERIES ASME HEATERS, CONTINUED</b>			
FDXLICB1930	Integrated Control Board	0610377072854	25
FDXLFWP1930	Field Wiring Panel	0610377072861	26
FDXLIGN1930	Ignitor	0610377072878	27
IDXLFLS1930	Flame Sensor	0610377625968	28
IDXL2TRF1930	Transformer	0610377854443	29
FDXLWPS1930	Water Pressure Switch	0610377074230	30
IDXL2DB1930	Display Board Only	0610377896740	31
FDXLBKP1931	Bezel and Keypad Assembly, ASME, Without Door	0610377072908	32
UHXLOK1930	Control Bezel Lock-Out Kit	0610377187084	—
FDXLHLI1930	High Limit 135°F	0610377073783	33
FDXLTER1930	Thermistor	0610377073790	34
FDXLGSK1932	Gasket, Bezel/Top	0610377072946	35
FDXLGSK1934	Gasket, CC Front/Air Box - All Models	0610377072960	36
FDXLHXA1250A	Heat Exchanger Assembly, ASME - H250FD	0610377135610	37
FDXLHXA1400A	Heat Exchanger Assembly, ASME - H400FD	0610377135603	37
FDXLDRV1930A	Drain Valve, ASME	0610377135818	47
CHXRLV1930	Pressure Relief Valve	0610377003179	48
FDXLBRN1930	Burner Kit (Qty 8)	0610377072762	—
FDXLBRN1931	Burner (Qty 1)	0610377277594	—
FDXLFSK1930	Fuse Service Kit	0610377072915	—
FDXLFSKF30	Fuse Kit, 3.0A, for Field Wiring Panel (Qty of 10)	0610377123105	—
FDXLFSKC30	Fuse Kit, 3.0A, for Integrated Control Board (Qty of 10)	0610377123136	—
FDXLUNK1930A	ASME Union Flange Kit (Includes Flange Fittings, Bolts, Gaskets)	0610377135801	—
FDXLGSK1930	Gasket Kit - Air Side - All Models <i>Includes:</i> » Gasket, Blower Mounting » Gasket, Cover/Air Box Front » Gasket, Manifold/Air Box	0610377072922	—
FDXLGSK1931	Gasket Kit - Exhaust Side - All Models <i>Includes:</i> » Gasket, Flue Collector Side » Gasket, Rain Guard Side » Gasket, Rain Guard Bottom Side » Gasket, Flue Collector Top » Gasket, Rain Guard Front and Rear » Gasket, Rain Guard Bottom Front and Rear	0610377072939	—
FDXLGSK1933	Insulation, Return Side Tube Sheet	0610377072953	—
FDXLTDK1930	Tie-Down Kit	0610377072977	—
FDXLWHA1930	Wiring Harness Kit Complete	0610377110730	—
FDXLHAK1930	Conversion Kit, All Models, High-Altitude 2,000-10,100'	0610377104326	—
UHXNEGVT12506	6" Negative Pressure Indoor Vent Kit	0610377396318	—
UHXNEGVT14008	8" Negative Pressure Indoor Vent Kit	0610377396288	—
UHXNEGVT15008	8" Negative Pressure Indoor Vent Kit	0610377396356	—
UHXDVA004	4" DuraVent Positive Pressure Appliance Adapter	0610377396608	—
UHXDVA006	6" DuraVent Positive Pressure Appliance Adapter	0610377396615	—
UHXHFA004	4" HeatFab Positive Pressure Appliance Adapter	0610377396622	—
UHXHFA006	6" HeatFab Positive Pressure Appliance Adapter	0610377396639	—
UHXPOSHZ12504	4" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	0610377396363	—
UHXPOSHZ12506	6" Positive Pressure Indoor Vent Kit (Includes 6" HeatFab Appliance Adaptor)	0610377396240	—
UHXPOSHZ14006	6" Positive Pressure Indoor Vent Kit (No Appliance Adapter Included)	0610377396387	—
UHXPOSHZ14008	8" Positive Pressure Indoor Vent Kit (Includes 8" HeatFab Appliance Adaptor)	0610377396219	—
UHXPOSHZ15006	6" Positive Pressure Indoor Vent Kit (No Appliance Adaptor Included)	0610377396394	—
UHXTFP1930	Temp/Pressure and Flow Switch Kit	0610377234276	—
UHXFSW1930	Flow Switch Only	0610377234443	—

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
<b>H500 GAS HEATER</b>			
FDXLRGK1500	Kit - Rainguard Assembly H500FD	0610377277488	13
FDXLJKT1501	Jacket Top, Taupe, ASME - H500FD	0610377396493	1
FDXLHXA1500A	Heat Exch Assembly - H500FD ASME	0610377277587	37
FDXLGCKW500NP	Conversion Kit, NA to LP, Quick Change, H500	0610377430579	21
FDXLGCK1500PN	Conversion Kit, LP to NA, Quick Change, H500	0610377277556	21
FDXLFAD1500	Taupe Front Door	0610377274524	3
FDXLBWR1500	Combustion Blower - H500FD	0610377277563	18
FDXLBOP1500	Kit - Bezel Control Panel, 500	0610377330978	5
FDXLBON1500	Kit - Gas Orifice, NA, (Pk 10) H500FDN	0610377282512	20
FDXLBOP1500	Kit - Gas Orifice, LP, (Pk 10) H500FDP	0610377282529	20
FDXLHLI1500	High limit Kit, H500FD Heater	0610377278119	33

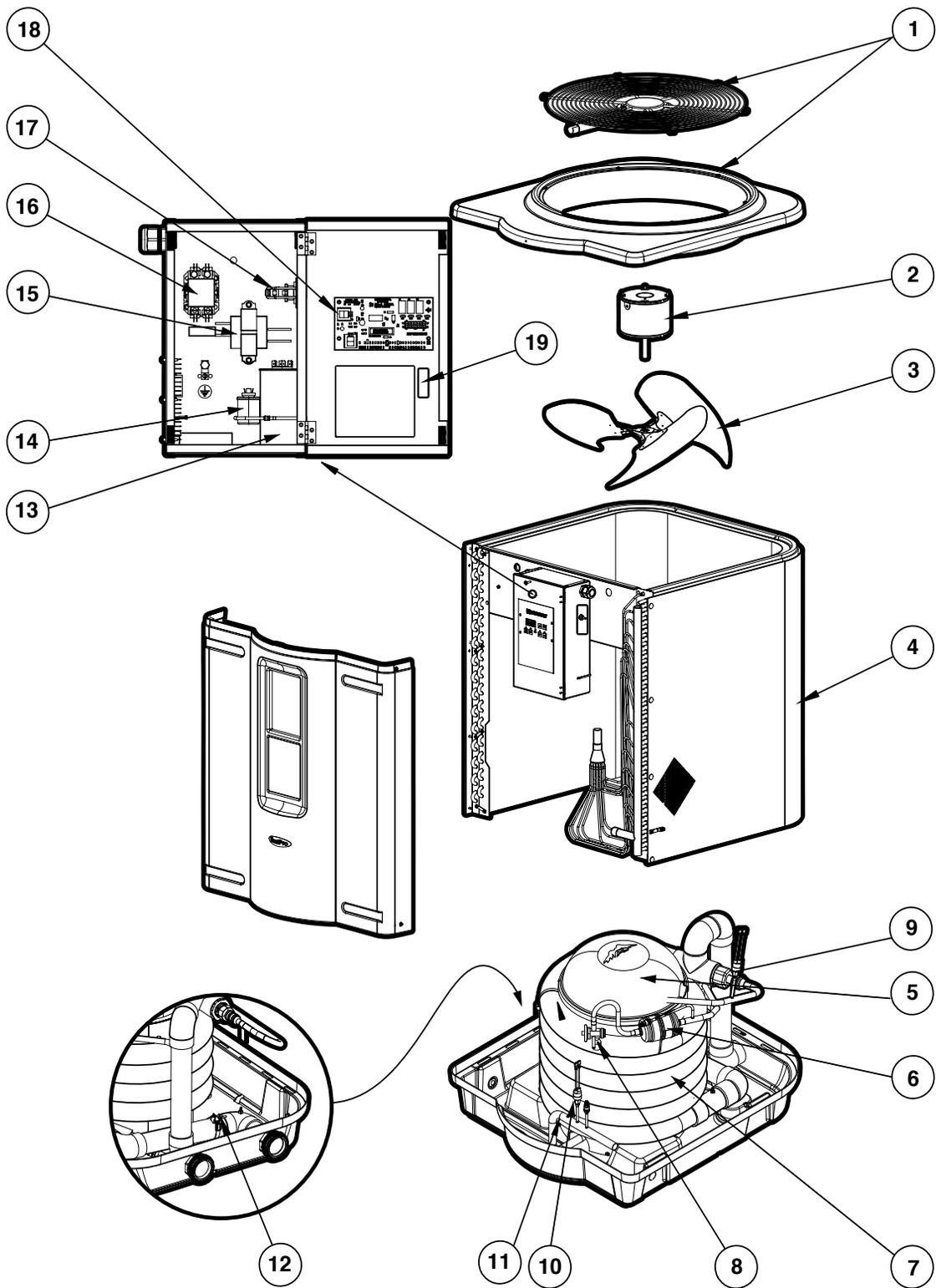


EXPLODED DIAGRAM OF  
HEATPRO MCHX SERIES



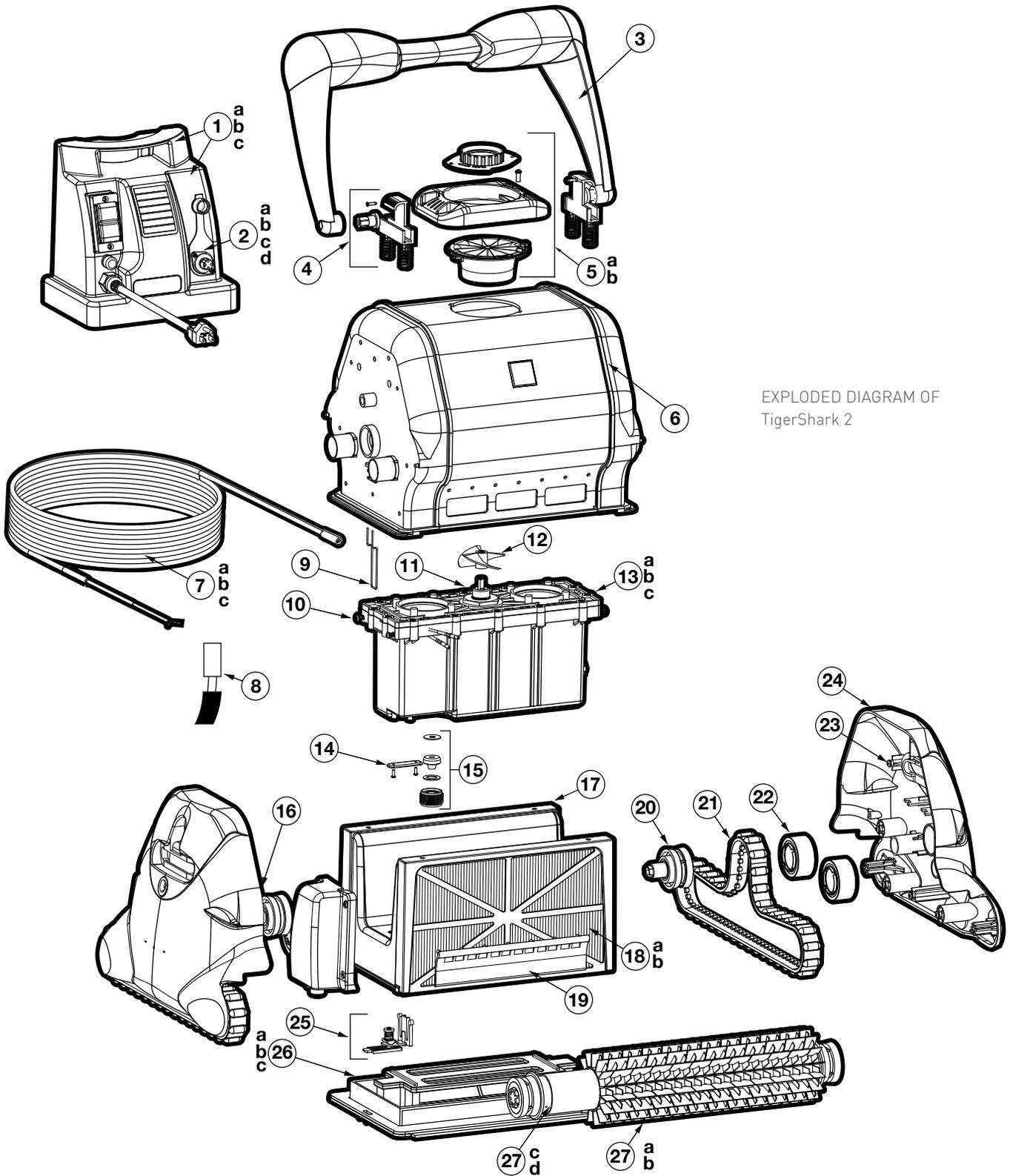
ITEM DESCRIPTION	110K	120K	140K	110K	120K H/C	140K H/C	NO.
HEATPRO® MICROCHANNEL SERIES							
COMPRESSOR	HPX51100101701	HPX51100101701	SMX11012755	HPX51100101701	HPX51100101701	SMX11012755	1
THERMAL EXPANSION VALVE (TXV)	HPX51700029001						2
EVAPORATOR	HPX52400099501	HPX52400099401	HPX52400099401	HPX52400099501	HPX52400099401	HPX52400099401	3
HEAT-EXCHANGER	HPX52400120301						4
FILTER DRIER	HPX1462			SMX15022309			5
FAN MOTOR	SMX300055036						6
FAN BLADE	SMX303140003	HPX51700116101	HPX51700116101	SMX303140003	HPX51700116101	HPX51700116101	7
CONTROL BOARD	HPX51100122201			HPX51100122301			8
CAPACITOR, COMPRESSOR, 80 UF, 440 VAC	SMX11022320						9
CAPACITOR, FAN, 7.5 UF	HPX11024151						10
CONTACTOR	HPX1985						11
FAN RELAY	HPX51000010301						12
TRANSFORMER	HPX51100009901						13
HP SWITCH, 590 PSI	HPX11024258						14
LP SWITCH, 50 PSI	HPX51100118601						15
DEFROST SENSOR	SMX306000023						16
INSTRUMENT ELBOW ASSEMBLY	HPX52500098401						17
WATER TEMPERATURE SENSOR	HPX51100053701						18
WATER FLOW SWITCH	HPXG1068005E4						19
BRACKET, TOP (QTY 2)	HPX50100099701	HPX50100099801	HPX50100099801	HPX50100099701	HPX50100099801	HPX50100099801	20
BRACKET, BOTTOM (QTY 4)	HPX50100099901						21
GASKET-35 IN, NEOPRENE (QTY 2)	HPX50500107201						22
PANEL-TOP KIT, BLACK	SMX30904754						23a
PANEL-TOP KIT, TAUPE	SMX309077011						23b
FAN GUARD	SMX0101711001						24
WATER PRESSURE SWITCH	HPX2181						
REVERSING VALVE	NOT USED			HPX51700122401			
COMPENSATOR	NOT USED			HPX51700098901			
PLUG, COMPRESSOR	SMX10022329						
EVAPORATOR GUARD	HPX50100107101						NOT SHOWN
FASTENER, TREE, 1/4 (QTY 25)	HPX50100118201						
FASTENER, U-TYPE (QTY 25)	HPX50100122501						
CONSUMER KIT	HPX51400122701						

EXPLODED DIAGRAM OF  
HEATPRO SERIES



PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
<b>HEATPRO® HEATPUMP</b>				
SMX309077011	Top Panel — Taupe with Guard	0627818000192	1	1
SMX300055036	Fan Motor	0859127001434	2	1
SMX303140003	Fan Blade	0859127001632	3	1
SMX305099004	Evaporator for HP21404T, HP21404TC	0859127001755	4	1
SMX24024408	Evaporator for HP21254T, HP21124T	0610377134903	4	1
SMX11012751	Compressor for HP21004T after serial number 21131501105230001	0610377290340	5	1
SMX11012753	Compressor for HP21124T after serial number 21131501102140001	0610377290364	5	1
SMX11012755	Compressor for HP21254T after serial number 21131405101250001	0610377290760	5	1
SMX11012755	Compressor for HP21404T after serial number 21131404105240001	0610377290760	5	1
SMX10024715	Compressor Plug (not shown) for HP21004T prior to serial number 21131501105230001	0610377133210	—	1
SMX10024715	Compressor Plug (not shown) for HP21124T prior to serial number 21131501102140001	0610377133210	—	1
SMX10024715	Compressor Plug (not shown) for HP21254T prior to serial number 21131405101250001	0610377133210	—	1
SMX10024715	Compressor Plug (not shown) for HP21404T prior to serial number 21131404 105240001	0610377133210	—	1
SMX10022329	Compressor Plug (not shown) for HP21004T after serial number 21131501105230001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21124T after serial number 21131501102140001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21254T after serial number 21131405101250001	0610377290791	—	5
SMX10022329	Compressor Plug (not shown) for HP21404T after serial number 21131404105240001	0610377290791	—	5
HPX1462	Filter – Drier for all	0610377829076	6	1
SMX24024864	Heat-Exchanger for HP21404T	0610377133128	7	1
SMX24022372	Heat Exchanger for HP21004T	0610377294836	7	1
SMX24024509	Heat Exchanger for HP21124T prior to serial number 21131708100361001	0610377133050	7	1
SMX2401347101	Heat Exchanger for HP21124T after serial number 21131708100361001	0610377391207	7	1
SMX15012865	Thermal Expansion Valve (TXV) for HP21004T after serial number 21131501105230001	0610377329699	8	10
SMX15022368	Thermal Expansion Valve (TXV) for HP21124T after serial number 21131501102140001	0610377329705	8	10
HPX51700029001	Thermal Expansion Valve (TXV) for HP21404T after serial number 21131404105240001	0610377424479	8	1
HPX11024258	High Pressure Switch	0610377127943	9	10
HPX11024259	Low Pressure Switch	0610377127950	10	10
SMX306000023	Defrost Sensor	0859127001847	11	10
SMX306000024	Water Temperature Sensor for HP21404T, HP21004T, HP21254T and HP21124T	0859127001854	12	25
SMX11022320	Compressor Run Capacitor, 80 UF, 440 VAC	0610377256124	13	6
HPX11024151	Fan Capacitor, 7.5 UF	0610377096959	14	6
HPX11023693	Transformer	0610377909464	15	1
HPX1985	Contacto	0610377807029	16	5
HPX2181	Water Pressure Switch	0610377807098	17	10
SMX306000016	Control Board for HP21404T, HP21004T, HP21124T and HP21254T	0859127001830	18	20
SMX1101191101	Master On/Off Switch	0610377339919	19	50
SMX14024927	Consumer Kit	0610377134545	—	2

# Commercial Cleaners



EXPLODED DIAGRAM OF  
TigerShark 2

PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER	CARTON QTY
<b>TIGERSHARK 2 COMMERCIAL ROBOTIC CLEANER</b>			
RCX97453	Power Supply-110 VAC, TigerShark	1a	1
RCX30000RC	Power Supply-110 VAC, TigerShark Plus	1b	1
RCX97453QC	Power Supply-110 VAC, TigerShark Quikclean	1c	1
RCX31013A	Power Supply Circiut Breaker 3A	2a	50
RCX31012	Power Supply Switch 16A	2b	50
RCX31012A	Power Supply Switch Membrane Cover	2c	50
RCX31018	Power Supply Output Connector	2d	50
RCX76008-234	Handle Assembly - TS, TS Plus, TSQC, Blue	3	5
RCX14000KIT	Handle Arm Slide Kit	4	10
RCX11208	Venturi Assembly, New Style	5a	10
RCX11208BK	Venturi Assembly, Black	5b	1
RCX13001C	Main Case, TS, TSP, TSQC	6	1
RCX50061	Floating Cord Assembly - 55 ft. [TS, TSQC]	7a	1
RCX50110	Floating Cord Assembly - 100 ft. [TS2]	7b	1
RCX50070*	Floating Cord Assembly - 55 ft. [TS Plus]	7c	1
RCX59006	Connector Socket, Molex	8	50
RCX11400	Clip, Lid [Set of 2]	9	10
RCX12001	Screw, M4X12 T-20 [Set of 5]	10	10
RCX40117	Drive Pin Assembly	11	50
RCX11000	Impeller	12	10
RCX40000DC	Motor Unit, 4 hr. for TigerShark DC	13a	1
RCX43000	Motor Unit, 4 hr. for TigerSharkQC DC	13b	1
RCX40000RC*	Motor Unit, 4 hr. for TigerShark Plus DC	13c	1
RCX59007	Plate-Cover, Strain Relief	14	10
RCX59004KIT	Motor Cord Seal Kit	15	5
RCX26001	Roller Bearing Guide	16	10
RCX70100	Filter Cartridge Assembly, Frame and Filters	17	1
RCX70101PAK2	Filter Cartridges [Set of 2]	18a	5
RCX70103PAK2	Spring Cleanup Filters [Set of 2]	18b	5
RCX17100	Flap Drain, TS [Set of 2]	19	20
RCX26002	Bearing, Drive Pulley Assembly [Includes RC260031 insert]	20	10
RCX23002	Drive Track, Soft Tread	21	5
RCX26000PAK2	Pulley Bearing Kit [Set of 2]	22	5
RCX12011	Screw M5X20 Pan TORX HD T-20	23	10
RCX97201	Side Cover, TS (Right and Left)	24	1
RCX75003KIT	Locking Plate Kit	25	10
RCX75000-236	Bottom Lid Assembly, Black	26a	7
RCX78005	Bottom Lid Filter Gasket	26b	10
RCX75005	Inlet Flap	26c	10
RCX26008	Roller Brush	27a	5
RCX26012	Foam Roller Assembly	27b	5
RCX26003	Wheel Tube Assembly without Brush	27c	9
RCX26005S	Bearing-Wheel Tube Slotted	27d	10
RCX17000	High Velocity Inlet	—	10
RCX40215*	Hand-Held Wireless Remote (2008 - present) 433 Mhz	—	10

\*While supply last

# Commercial Flow Control

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
<b>TRUE UNION BALL VALVE PARTS - TB SERIES</b>			
TUX1052	1/4," 3/8," 1/2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	0610377006224	1
TBX10752	3/4" PVC True Union Ball Valve Assembly Nut (Qty of 1)	0610377849500	1
TBX11002	1" PVC True Union Ball Valve Assembly Nut (Qty of 1)	0610377032957	1
TBX11502	1-1/4" - 1-1/2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	0610377779128	1
TBX122	2" PVC True Union Ball Valve Assembly Nut (Qty of 1)	0610377776097	1
TBX132	2-1/2" - 3" PVC True Union Ball Valve Assembly Nut (Qty of 1)	0610377193047	1
TBX142	4" PVC True Union Ball Valve Assembly Nut (Qty of 1)	0610377193061	1
ECX12T	2" PVC True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191470	1
HLX23	1/4," 3/8," 1/2," 3/4" Orange Handle Replacement for True Union Ball Valve	0610377114318	1
HLX24	1" Orange Handle Replacement for True Union Ball Valve	0610377114325	1
HLX22	1-1/4," 1-1/2," 2" Orange Handle Replacement for True Union Ball Valve	0610377114301	1
TBX138	3" Orange Handle Replacement for True Union Ball Valve	0610377193054	1
TBX148	4" Orange Handle Replacement for True Union Ball Valve	0610377193078	1
<b>TRUE UNION 3-WAY BALL VALVE PARTS</b>			
HLX23	1/2," 3/4" 3-Way True Union Ball Valve Handle Replacement	0610377114318	1
LAX1HL3	2-1/2," 3" 3-Way True Union Ball Valve Handle Replacement	0610377078641	1
LAX1HL4	4," 6" 3-Way True Union Ball Valve Handle Replacement	0610377007450	1
NTX100503B	1/2" PVC 3-Way True Union Ball Valve TN Ball	0610377192002	1
NTX100753B	3/4" PVC 3-Way True Union Ball Valve TN Ball	0610377742658	1
NTX101003B	1" PVC 3-Way True Union Ball Valve TN Ball	0610377192019	1
NTX102003B	1-1/4," 1-1/2," 2" PVC 3-Way True Union Ball Valve TN Ball	0610377192026	1
NTX103003B	2-1/2," 3" PVC 3-Way True Union Ball Valve TN Ball	0610377192033	1
NTX104003B	4," 6" PVC 3-Way True Union Ball Valve TN Ball	0610377192040	1
BSX142	4" PVC 3-Way True Union Ball Valve Assembly Nut Required for 3rd Port (Qty of 1)	0610377870733	1
ECX15T	1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191531	1
ECX17T	3/4" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191555	1
ECX11T	1" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191432	1
ECX12T	2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377191470	1
ECX125T	2-1/2" PVC 3-Way True Union Ball Valve Threaded End Connector (Qty of 1)	0610377686594	1
TUX101004F	1" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377120654	1
TUX101254F	1-1/4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377105002	1
TUX101504F	1-1/2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193795	1
TUX102004F	2" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377196147	1
TUX103004F	3" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193825	1
TUX104004F	4" PVC 3-Way True Union Ball Valve Flanged End Connector w/Assembly Nut (Qty of 1)	0610377193849	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138338	1
LAX144F	4" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138338	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
<b>TRUE UNION 3-WAY BALL VALVE PARTS, CONTINUED</b>			
LAX164F	6" PVC 3-Way True Union Ball Valve Flanged End Connector Required for 3rd Port (Qty of 1)	0610377138345	1
LAX5PAKE	1/2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870894	1
LAX7PAKE	3/4" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870900	1
LAX1PAKE	1" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870917	1
LAX2PAKE	1-1/4", 1-1/2", 2" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870924	1
LAX3PAKE	2-1/2", 3" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870931	1
LAX4PAKE	4", 6" PTFE Seat and EPDM Seal Repair Kit for 3-Way True Union Ball Valve	0610377870948	1
<b>BYV SERIES BUTTERFLY VALVE PARTS</b>			
BYXV4HLKIT	4" BYV Lever Assembly	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assembly	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assembly	0610377254717	1
<b>BYCN SERIES BUTTERFLY VALVE PARTS</b>			
LEX2B	2", 2-1/2" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209205	1
LEX4B	3", 4" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377207270	1
LEX6B	5", 6", 8" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209212	1
<b>BY SERIES BUTTERFLY VALVE PARTS</b>			
LEX3A	2", 3" Lever Handle Replacement for Butterfly Valve	0610377203494	1
LEX4A	4" Lever Handle Replacement for Butterfly Valve	0610377203500	1
LEX6A	6" Lever Handle Replacement for Butterfly Valve	0610377203517	1
LEX8A	8" Lever Handle Replacement for Butterfly Valve	0610377203524	1
<b>BYCN SERIES BUTTERFLY VALVE PARTS</b>			
LEX2B	2", 2-1/2" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209205	1
LEX4B	3", 4" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377207270	1
LEX6B	5", 6", 8" Lever Handle Replacement for Butterfly Valve (BYCN)	0610377209212	1
<b>BY SERIES BUTTERFLY VALVE PARTS</b>			
LEX3A	2", 3" Lever Handle Replacement for Butterfly Valve	0610377203494	1
LEX4A	4" Lever Handle Replacement for Butterfly Valve	0610377203500	1
LEX6A	6" Lever Handle Replacement for Butterfly Valve	0610377203517	1
LEX8A	8" Lever Handle Replacement for Butterfly Valve	0610377203524	1
<b>BULKHEAD FITTING GASKETS</b>			
BFXAGST005F	1/2" FPM BF Gasket	0610377096027	1
BFXAGST007F	3/4" FPM BF Gasket	0610377096034	1
BFXAGST010F	1" FPM BF Gasket	0610377096041	1
BFXAGST015F	1- 1/2" FPM BF Gasket	0610377096058	1
BFXAGST015F	1-1/4" FPM BF Gasket	0610377096058	1
BFXAGST020F	2" FPM BF Gasket	0610377096065	1
BFXAGST030F	3" FPM BF Gasket	0610377096072	1
BFXAGST040F	4" FPM BF Gasket	0610377096089	1
BFXAGST060F	6" FPM BF Gasket	0610377096096	1
<b>BASKET STRAINER PARTS</b>			
BSX1111ASSYE	1/2" - 1" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	0610377872522	1
BSX1211ASSYE	1-1/4" - 2" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	0610377872591	1
BSX1411ASSYE	2-1/2" - 4" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	0610377872614	1
BSX1611ASSYE	6" - 8" PVC Simplex or Duplex Cover Assembly w/EPDM O-ring	0610377872652	1
SB1KITE	1/2" - 1" CPVC Simplex or Duplex O-ring Replacement	0610377872690	1
SB2KITE	1-1/4" - 2" CPVC Simplex or Duplex O-ring Replacement	0610377872713	1
SB4KITE	2-1/2" - 4" CPVC Simplex or Duplex O-ring Replacement	0610377872737	1
SB6KITE	6" - 8" CPVC Simplex or Duplex O-ring Replacement	0610377872751	1
BSX1PLUG2	1/2" - 2" PVC Simplex or Duplex Plug Replacement w/FPM O-ring	0610377872751	1
BSX1PLUG2E	2-1/2" - 8" PVC Simplex or Duplex Plug Replacement w/EPDM O-ring	0610377872775	1
<b>BASKET STRAINERS: SIMPLEX &amp; DUPLEX EXTRA/REPLACEMENT BASKETS</b>			
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2", 3/4" and 1" Strainers	0610377659635	1
<b>BASKET STRAINERS: SIMPLEX &amp; DUPLEX EXTRA/REPLACEMENT BASKETS</b>			
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2", 3/4" and 1" Strainers	0610377659635	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
<b>BASKET STRAINERS: SIMPLEX &amp; DUPLEX EXTRA/REPLACEMENT BASKETS, CONTINUED</b>			
BS11001/16	1/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797665	1
BS11001/8	1/8" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797917	1
BS11003/16	3/16" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377797924	1
BS71020	20 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111584	1
BS71040	40 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111614	1
BS71060	60 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111621	1
BS71080	80 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111638	1
BS710100	100 MESH 316 SS Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377111577	1
BS7101/32	1/32" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017398	1
BS7101/16	1/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017411	1
BS7101/8	1/8" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017466	1
BS7103/16	3/16" 316 SS Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377017596	1
BS12001/32	1/32" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793063	1
BS12001/16	1/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111355	1
BS12001/8	1/8" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793070	1
BS12003/16	3/16" PVC Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377793087	1
BS72020	20 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111829	1
BS72040	40 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111850	1
BS72060	60 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111867	1
BS72080	80 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111874	1
BS720100	100 MESH 316 SS Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377111812	1
BS7201/32	1/32" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018654	1
BS7201/16	1/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018685	1
BS7201/8	1/8" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018777	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377693257	1
BS14003/16	3/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852586	1
BS7203/16	3/16" 316 SS Perf Basket Replacement for 1-1/4," 1-1/2" and 2" Strainers	0610377018791	1
BS14001/32	1/32" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377857505	1
BS14001/16	1/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852579	1
BS14001/8	1/8" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377693257	1
BS14003/16	3/16" PVC Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377852586	1
BS74020	20 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377060691	1
BS74040	40 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377081870	1
BS74060	60 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377112086	1
BS74080	80 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377072052	1
BS740100	100 MESH 316 SS Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377057233	1
BS7401/16	1/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377018524	1
BS7401/8	1/8" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377018555	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
BS7403/16	3/16" 316 SS Perf Basket Replacement for 2-1/2," 3" and 4" Strainers	0610377018579	1
BS16001/32	1/32" PVC Perf Basket Replacement for 6" Strainers	0610377298087	1
BS16001/16	1/16" PVC Perf Basket Replacement for 6" Strainers	061037726443	1
BS16001/8	1/8" PVC Perf Basket Replacement for 6" Strainers	0610377149860	1
BS16001/8	1/8" PVC Perf Basket Replacement for 6" Strainers	0610377149860	1

PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
<b>BASKET STRAINERS: SIMPLEX &amp; DUPLEX EXTRA/REPLACEMENT BASKETS, CONTINUED</b>			
BS16003/16	3/16" PVC Perf Basket Replacement for 6" Strainers	0610377149877	1
BS76001420	20 MESH 316 SS Basket Replacement for 6" Strainers	0610377151221	1
BS76001440	40 MESH 316 SS Basket Replacement for 6" Strainers	0610377151252	1
BS76001480	60 MESH 316 SS Basket Replacement for 6" Strainers	0610377151276	1
BS76001460	80 MESH 316 SS Basket Replacement for 6" Strainers	0610377151269	1
BS760014100	100 MESH 316 SS Basket Replacement for 6" Strainers	0610377151214	1
BS76001/32	1/32" 316 SS Perf Basket Replacement for 6" Strainers	0610377151184	1
BS76001/16	1/16" 316 SS Perf Basket Replacement for 6" Strainers	0610377151160	1
BS76001/8	1/8" 316 SS Perf Basket Replacement for 6" Strainers	0610377151207	1
BS76003/16	3/16" 316 SS Perf Basket Replacement for 6" Strainers	0610377151283	1
BS18001/32	1/32" PVC Perf Basket Replacement for 8" Strainers	0610377790604	1
BS18001/16	1/16" PVC Perf Basket Replacement for 8" Strainers	0610377104777	1
BS18001/8	1/8" PVC Perf Basket Replacement for 8" Strainers	0610377149914	1
BS18003/16	3/16" PVC Perf Basket Replacement for 8" Strainers	0610377149921	1
BS78001420	20 MESH 316 SS Basket Replacement for 8" Strainers	0610377151405	1
BS78001440	40 MESH 316 SS Basket Replacement for 8" Strainers	0610377151436	1
BS78001460	60 MESH 316 SS Basket Replacement for 8" Strainers	0610377151443	1
BS78001480	80 MESH 316 SS Basket Replacement for 8" Strainers	0610377151450	1
BS780014100	100 MESH 316 SS Basket Replacement for 8" Strainers	0610377151399	1
BS78001/32	1/32" 316 SS Perf Basket Replacement for 8" Strainers	0610377151368	1
BS78001/16	1/16" 316 SS Perf Basket Replacement for 8" Strainers	0610377151344	1
BS78001/8	1/8" 316 SS Perf Basket Replacement for 8" Strainers	0610377151382	1
BS78003/16	3/16" 316 SS Perf Basket Replacement for 8" Strainers	0610377151467	1

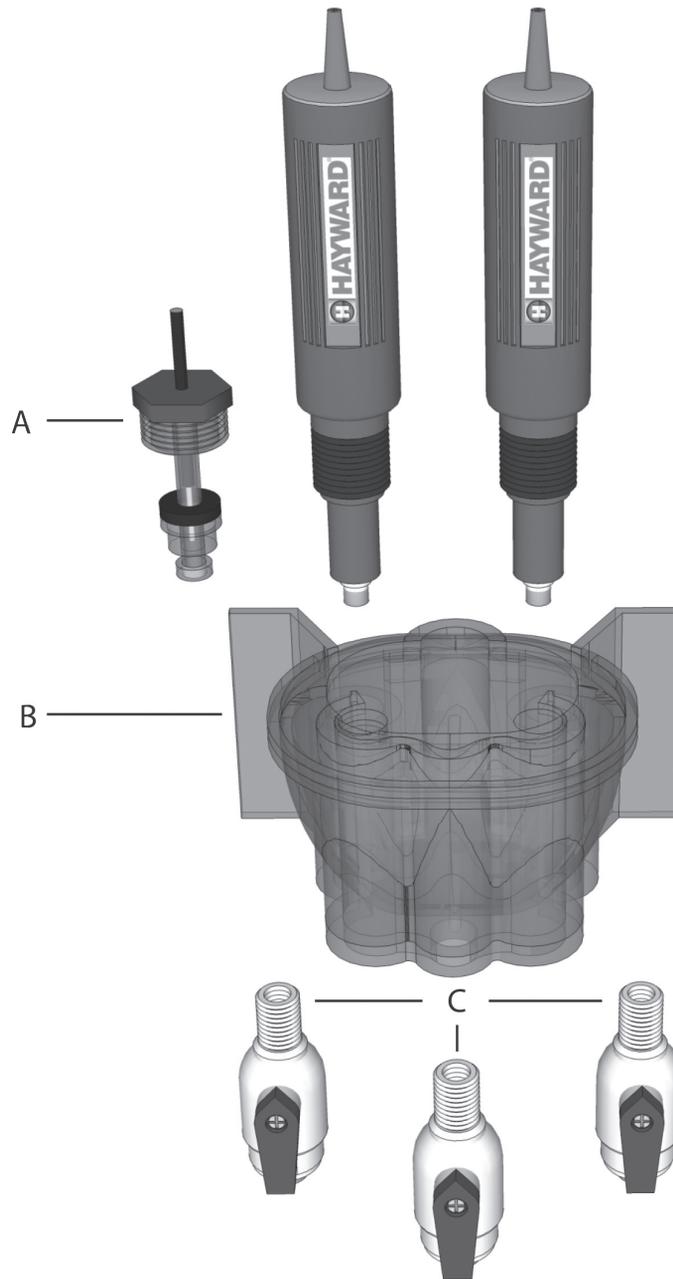


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# CAT Controllers

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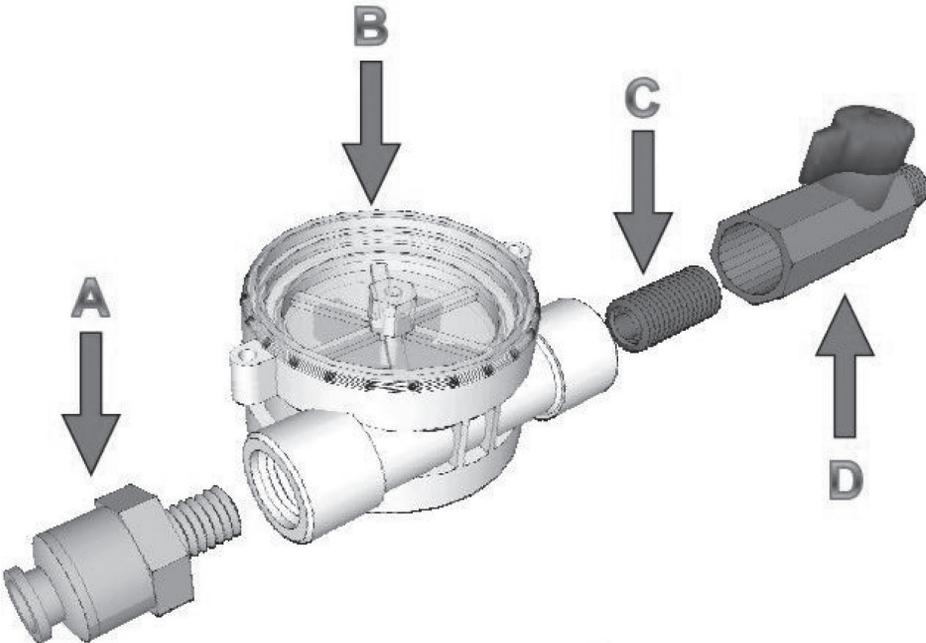
MOLDED FLOWCELL EXPLODED VIEW



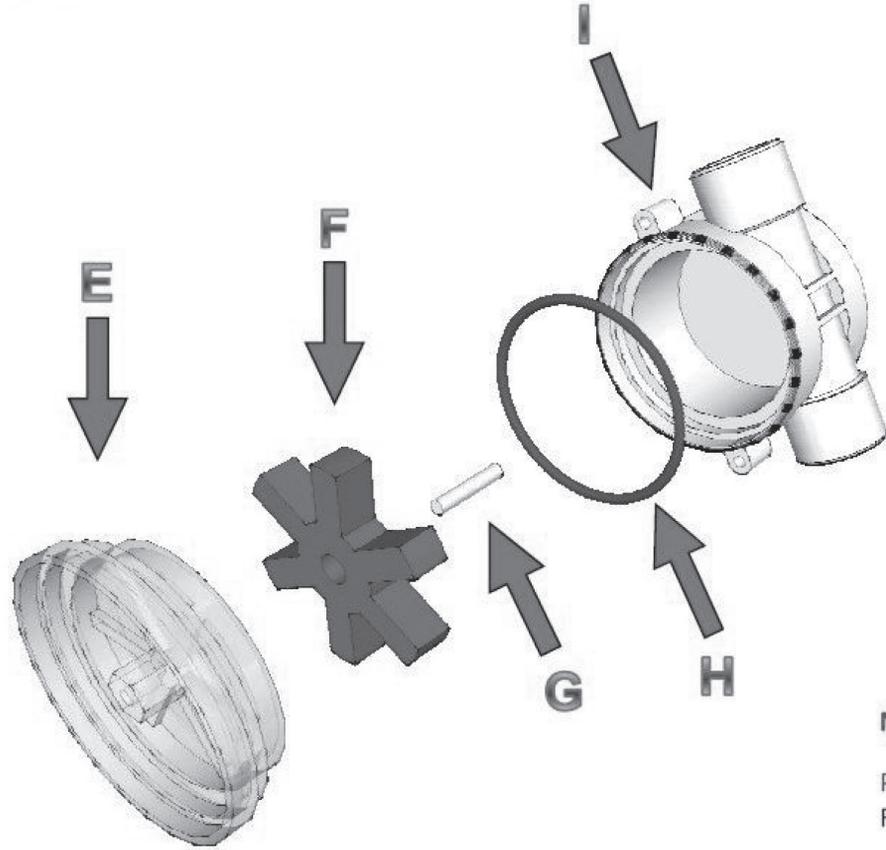
- A = Float Style Flow Sensor      CAX-20206
- B = Molded Flowcell              CAX-20272
- C = 1/4" Parker Straight Valve    CAX-20260

Complete = AC063

ROTARY FLOW SENSOR EXPLODED VIEW



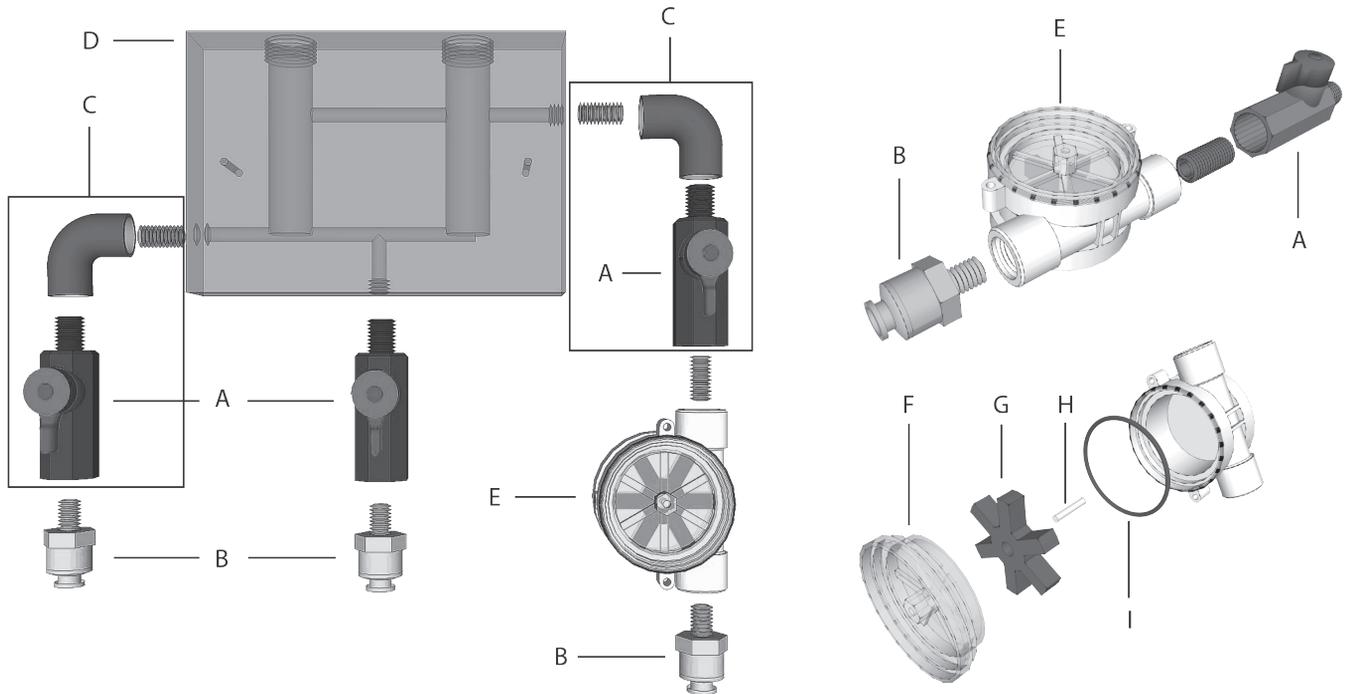
- A** = 1/4" NPTM x 3/8" OD Speedfit Connector  
*Part #: CAX - 20253*
- B** = Rotary Flow Sensor  
*Part #: CAX - 20203*
- C** = 1/4" Threaded Nipple  
*Part #: Misc Part*
- D** = 1/4" Asahi Ball Valve  
*Part #: CAX - 20254*



- E** = Clear Lens  
*Part #: CAX - 20204*
- F** = Blue Rotor  
*Part #: CAX - 20205*
- G** = Ceramic Pin  
*Part #: CAX - 20205*
- H** = O - Ring  
*Part #: CAX - 20204*
- I** = Chamber  
*Part #: Not sold Separately.*

**Note:**  
 Part # CAX - 20205 is both The Blue Rotor and Ceramic Pin  
 Part # CAX - 20204 is both the Clear Lens

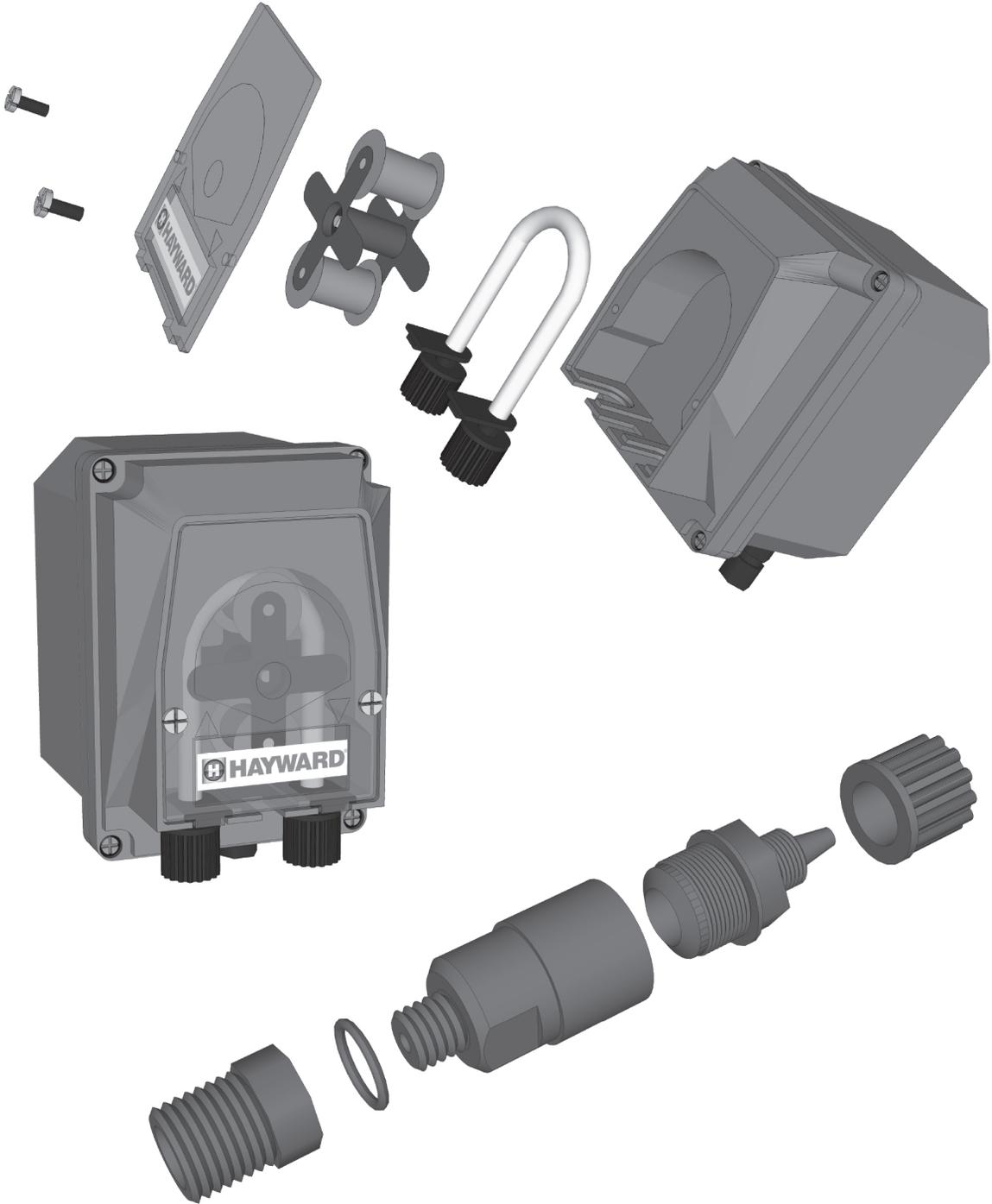
ACRYLIC FLOWCELL - EXPLODED VIEW



- A = 1/4" Asahi Ball Valve - CAX-20254
- B = 1/4" NPTM x 3/8" OD Speedfit Connector - CAX-20253
- C = Flowcell Arm Assembly - CAX-20257
  - 90° PVC Elbow
  - 1/4" Threaded Nipple
  - 1/4" Asahi Ball Valve

- D = Machined Flowcell (Complete) - AC075
- E = Rotary Flow Sensor - CAX-20203
  - F = Clear Lens - CAX-20204
  - G = Blue Rotor - CAX-20205
  - H = Ceramic Pin - CAX-20205
  - I = O-Ring - CAX-20204

PART #CAX-3508 - AC035 - SANTOPRENE FEED TUBE  
AND PART #CAX-3506 AND CAX3507 - AC035 - PP INJECTION CHECK VALVE



## AC006 - AUTO-SWITCHOVER

The Hayward Commercial CO<sub>2</sub> Auto-Switchover System detects a low supply of CO<sub>2</sub> gas and automatically switches to the reserve cylinder. Entirely mechanical in design the unit provides a visual "cylinder in use" indicator and twin pressure gauges.

The Auto Switchover works with the CAT CO<sub>2</sub> pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO<sub>2</sub> forms carbonic acid (H<sub>2</sub>CO<sub>2</sub>), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the Auto-Switchover with the CO<sub>2</sub> pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.

- » **Doubles the tank changeover interval**
- » **Twin tank pressure gauges**
- » **Visual "tank in use" indicator**
- » **Compatible with all Hayward Commercial® CO<sub>2</sub> pH control systems CO<sub>2</sub>**



## AC004 - STANDARD SIZED REGULATOR

The CAT CO<sub>2</sub> pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO<sub>2</sub> forms carbonic acid (H<sub>2</sub>CO<sub>2</sub>), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the CO<sub>2</sub> pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.

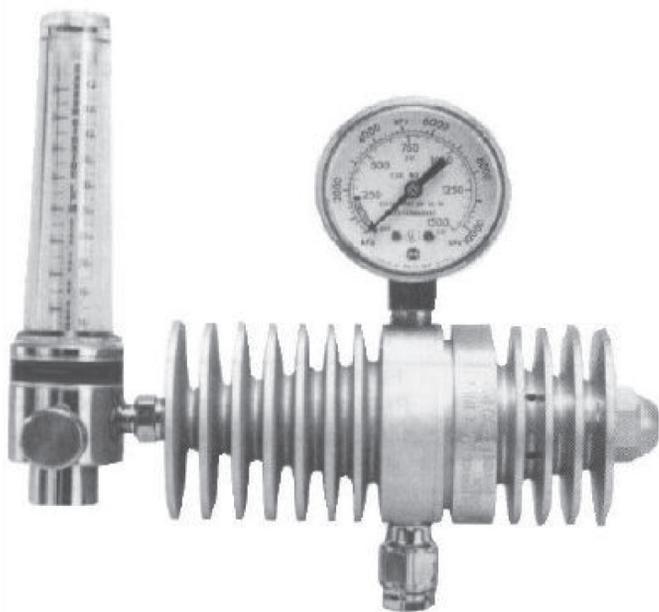
- » **Integrated pressure regulator and flow meter**
- » **Adjustable flow control, 0-38 SCFH**
- » **Pre-wired stainless steel solenoid valve**
- » **High pressure flexible tubing, speedfit connectors and PVC check valve included**
- » **Compatible with all CAT Controllers**
- » **Manufactured in the USA**



### AC005 - HIGH CAPACITY REGULATOR

The CAT CO<sub>2</sub> pH control system regulates the injection of Carbon Dioxide, a natural non-corrosive gas to replace hazardous liquid acid in chemical treatment of swimming pools, spas and water features. When dissolved in water, CO<sub>2</sub> forms carbonic acid (H<sub>2</sub>CO<sub>2</sub>), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the CO<sub>2</sub> pH control system is a safe, cost effective way to maintain precise pH balance while eliminating the hazards associated with storing and dispensing liquid acid.



- » **Integrated pressure regulator and flow meter**
- » **Adjustable flow control, 0 -100 SCFH**
- » **Pre-wired stainless steel solenoid valve**
- » **High pressure flexible tubing, speedfit connectors and PVC check valve included**
- » **Compatible with all CAT Controllers**
- » **Manufactured in the USA**

	AC004 - STANDARD SIZED REGULATOR	AC005 - HIGH CAPACITY REGULATOR
REGULATOR	Single Stage - Max Inlet 1500 psi Factory preset 80 psi outlet	Single Stage - Max Inlet 1500 psi. Factory preset 80 psi outlet
FLOWMETER	Adjustable 0-38 SCFH Without freeze-up	Adjustable 0 - 100 SCFH Without freeze-up
SOLENOID VALVE	Stainless steel, 1/8 1" FPT 750 psi rating	Stainless steel, 1/8" FPT 750 psi rating
TUBING AND CONNECTORS	Polyethylene 3/8" OD, 1/4" ID Working pressure 125 psi	Polyethylene 3/8" OD, 1/4" ID Working pressure 125 psi
INJECTOR	PVC Check Valve Buna-N seals 1 psi cracking pressure	PVC Check Valve Buna-N sea ls 1 psi cracking pressure









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