HAYWARD®
COMMERCIAL AQUATICS

2025 Commercial
Product Portfolio

HAYWARD® | 100

SINCE 1925

HCF SERIES
SAND FILTERS
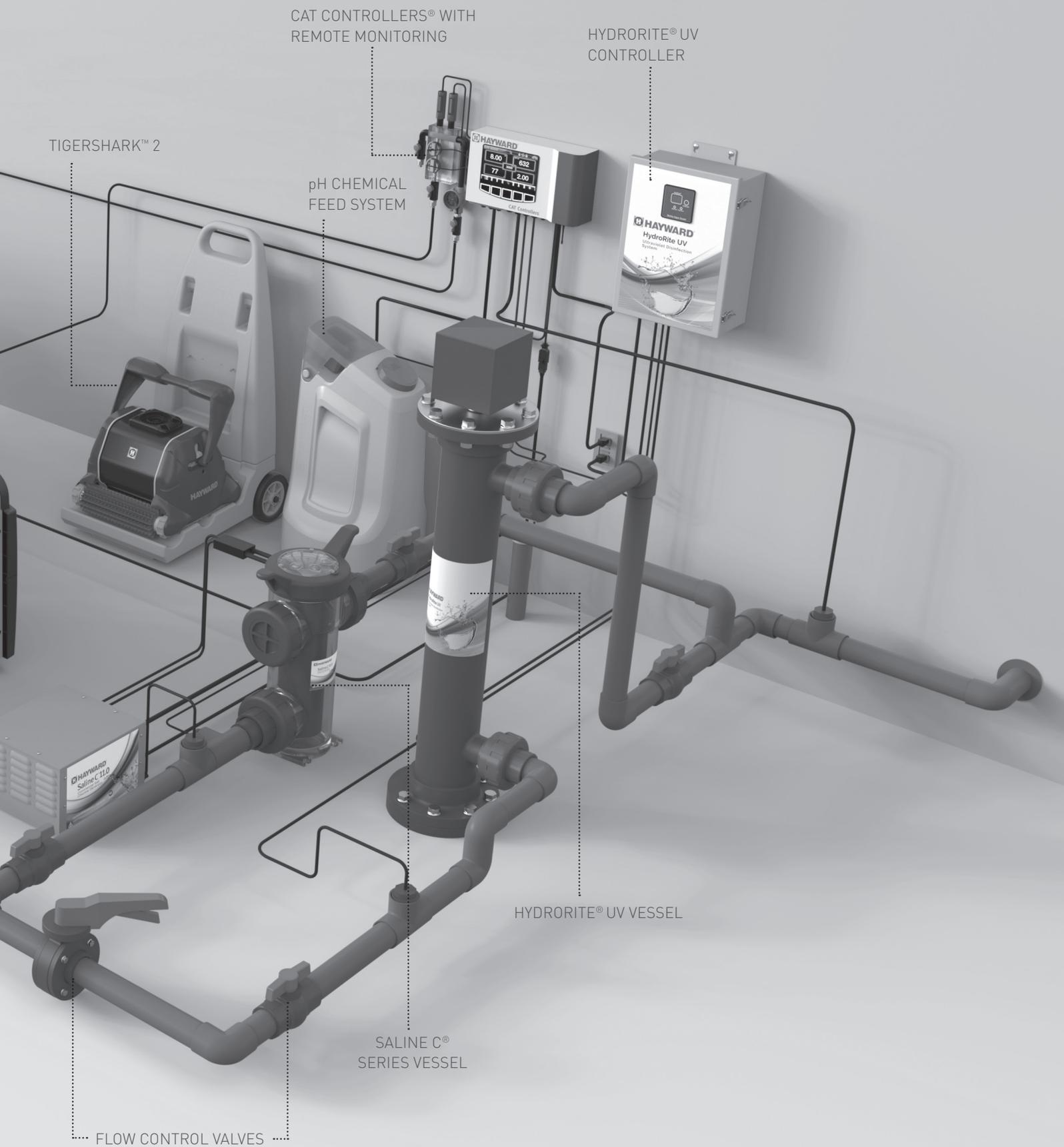
UNIVERSAL H-SERIES
ASME HEATER

HCP 3000
SERIES PUMP

MULTIPORT VALVE

SALINE C® SERIES
POWER SUPPLY

Experience the Innovation.

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.

JUST LOOK WHERE LOYALTY CAN TAKE YOU.

START EARNING REWARD POINTS TODAY.

Your business is going places, and loyalty is the force driving your success. The Totally Hayward Program is built on the power of loyalty, offering you exclusive, industryleading Expert Line® products, helpful marketing tools and our newly re-imagined rewards site with perks both you and your team will love.

The possibilities are endless with Totally Hayward, and we can't wait to see where our partnership takes us.

Standard Status
Purchase a minimum of 30 select products in a calendar year (must include pumps and filters) to automatically qualify for program benefits.

Earn Points
Purchases on Expert Line® products qualify for Totally Hayward Program points and benefits

Advantage Status
Purchase a minimum of 100 select products in a calendar year (must include pumps and filters) to automatically qualify for advantage status program benefits.

LEARN MORE

GET PAID
TO UPGRADE

SWAP OUT THEIRS. DROP IN OURS.
GET REWARDED.

Our program pays you to install a Hayward
Commercial replacement for any competitor's
pump, heater, filter and other select items!

Restrictions apply.

COMBINE
REWARDS FOR
**LARGER
PAYOUTS**

SCAN TO LEARN
(AND MAKE) MORE.

www.Promotions.Hayward.com

HAYWARD®
COMMERCIAL AQUATICS

INNOVATION
MADE EASY.

Pool Equipment and Accessories

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.

HCP SERIES
VARIABLE FREQUENCY DRIVE

HYDRORITE® UV DISINFECTION SYSTEM
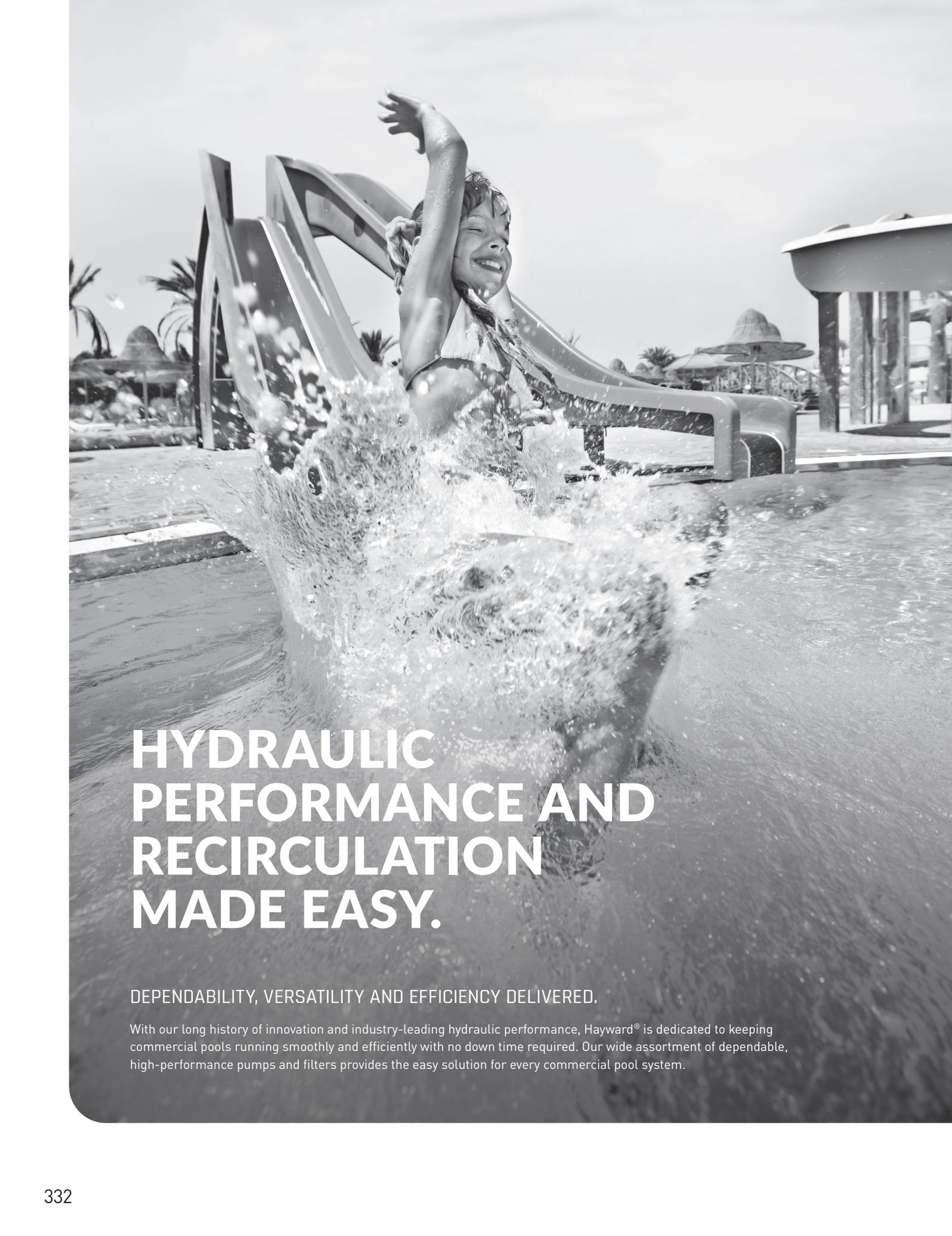
HYDRAULIC PERFORMANCE AND RECIRCULATION MADE EASY.

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 2½" 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 2½" 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

CE | UL | | 1 YEAR WARRANTY

HAYWARD HCP SERIES COMPATIBLE PUMPS*

HCP 2000 SERIES   HCP 2500 SERIES   HCP 3000 SERIES

SPECIFICATIONS

	PART NUMBER	DRIVE ENCLOSURE RATING	PUMP	VOLTAGE	INPUT Φ	OUTPUT Φ	PUMP AMPS	DRIVE AMPS	BREAKER SIZE	WIRE SIZE 75˚ COPPER
208/230V 1 Φ TO 3 Φ	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 Φ to 3 Φ	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 3Φ to 460V 3Φ	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
[1]Not Compatible with Class A GFCI circuit breakers. Check your local electrical code requirements.
[2]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.

3 YEAR WARRANTY

cULus

NSF Certified to NSF/ANSI/CAN 50

ENERGY STAR

UP TO **10.0 WEF**

» **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®

3 YEAR WARRANTY

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

|	SINGLE PHASE INPUT	THREE PHASE INPUT	
PUMP SKU	208-230V	208/230V	460V
HCP30203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP30303	HCPVFD2201051P	HCPVFD2201053P	HCPVFD2400583P
HCP30503	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P
HCP30703	HCPVFD421501P	HCPVFD3202403P	HCPVFD3401403P
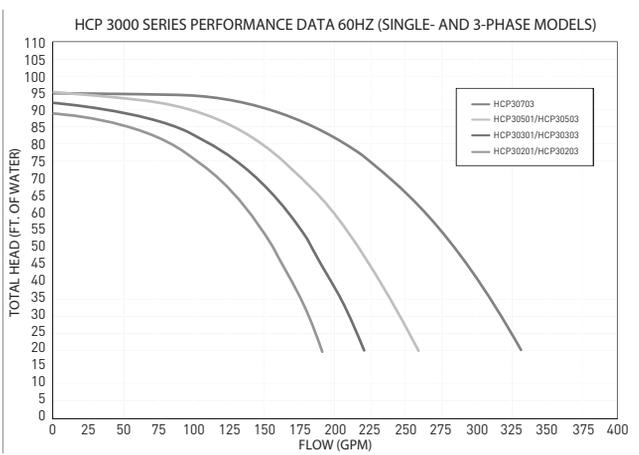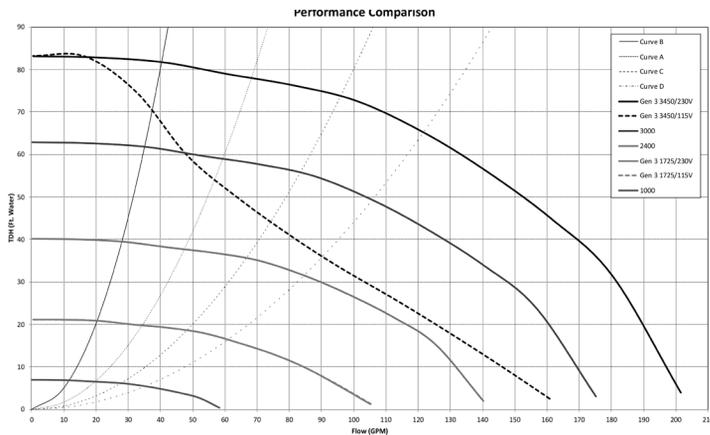
Pump Curves are available for every 100 RPM interval. Please contact your local commercial sales representative for more information.

SPECIFICATIONS

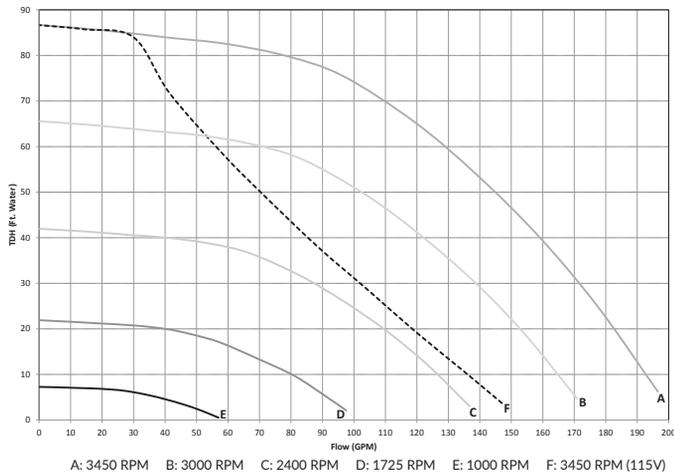| PART NUMBER				PUMP OUTPUT (GPM) VS. TOTAL RESISTANCE TO FLOW (PER FT OF HEAD)							
MODEL		HP	PH	40	45	50	55	60	65	70	75
HCP30203 / HCP30203C		2	3	170	163	156	145	140	130	120	102
HCP30303 / HCP30303C		3	3	198	285	185	180	166	155	145	130
HCP30501 / HCP30503 / HCP30503C		5	1&3	232	225	217	210	200	185	179	163
HCP30703 / HCP30703C		7	3	303	290	285	275	265	250	240	225
	RPM	HP	PH	40	45	50	55	60	65	70	75
	3450 RPM			168	162	152	145	134	125	110	90
	3200 RPM			148	140	130	120	108	90	46	n/a
HCP3020VSP	3000 RPM	2.7	1	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	n/a	n/a	n/a	n/a	n/a	n/a

DIMENSIONS (INCHES)
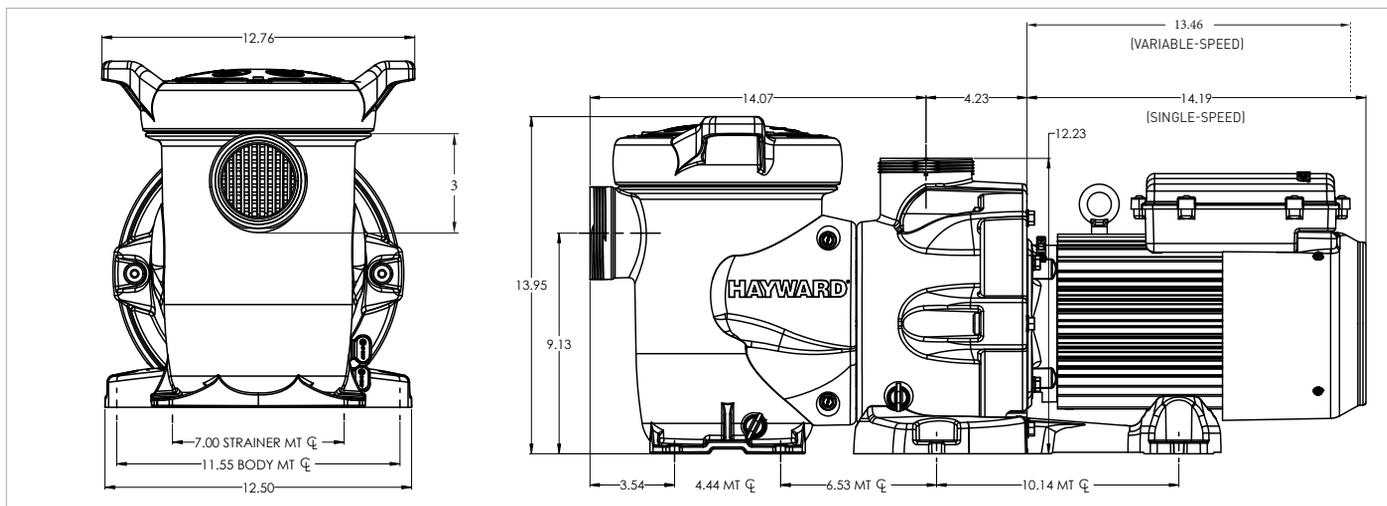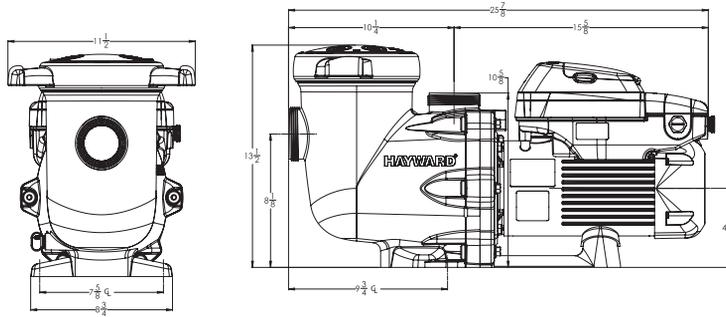
HCP 2500 SERIES PUMPS

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.

3 YEAR WARRANTY COMMERCIAL

4 YEAR WARRANTY RESIDENTIAL

UP TO **10.1 WEF**

PERFORMANCE DATA

A: 3450 RPM   B: 3000 RPM   C: 2400 RPM   D: 1725 RPM   E: 1000 RPM   F: 3450 RPM (115V)

» **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 2½" 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.

DIMENSIONS (INCHES)

OPTION 1:
Control interface can be rotated on the pump for convenient access and viewing.

OPTION 2:
For ultimate flexibility, detach the control interface and attach to wall.

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
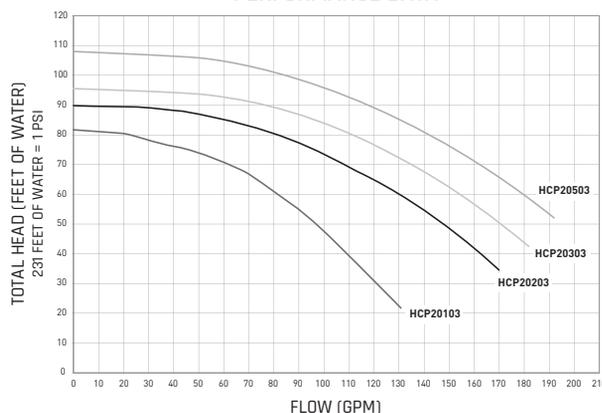
» **3-year warranty** on all single-speed models

UP TO **4.2** WEF

3 YEAR WARRANTY | c(UL)us | NSF. Certified to NSF/ANSI/CAN 50

TECHNICAL SPECIFICATIONS

PART NUMBER	RATED H.P.	VOLTAGE 3-PHASE	AMPS	HZ	WEIGHTED ENERGY FACTOR (WEF)	CARTON 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

	SINGLE PHASE INPUT	THREE PHASE INPUT	
PUMP SKU	208-230V	208/230V	460V
HCP20103	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20203	HCPVFD2201051P	HCPVFD2201053P	HCPVFD1400413P
HCP20503	HCPVFD3201531P	HCPVFD3201803P	HCPVFD2400953P

PERFORMANCE DATA

HCP20503
HCP20303
HCP20203
HCP20103

TOTAL HEAD (FEET OF WATER) 231 FEET OF WATER = 1 PSI

FLOW (GPM)

DIMENSIONS (INCHES)

11.54
2
7.63
8.74

10.20
16.22
10.63
13.53
8.12
4.84
9.80
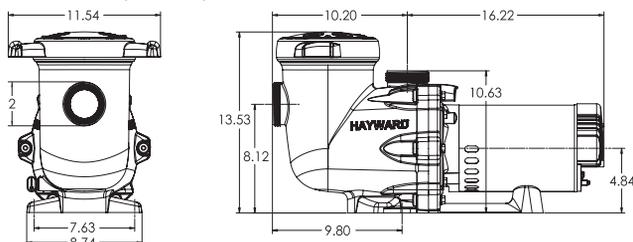
Commercial Filters

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.

» **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 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" 76.4"
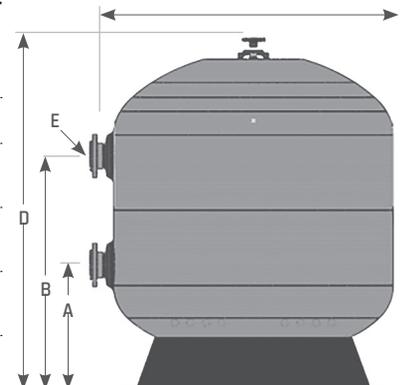
TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

PART NUMBER	HCF342C		HCF348C		HCF455C		HCF663C	
Size of Fiberglass Sand Filter	42"		48"		55"		63"	
Filtration Area/ft²/M²	9.83	0.91	13.40	1.24	16.49	1.53	21.64	2.01
Filtration Rate GPM/ft²	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft² (GPM) (LPM)	147	559	201	762	247	937	324	1230
Filtration Flow Rate at 20 GPM/ft² (GPM) (LPM)	196	745	268	1014	329	1249	432	1639
Backwash Flow Rate GPM/ft²	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
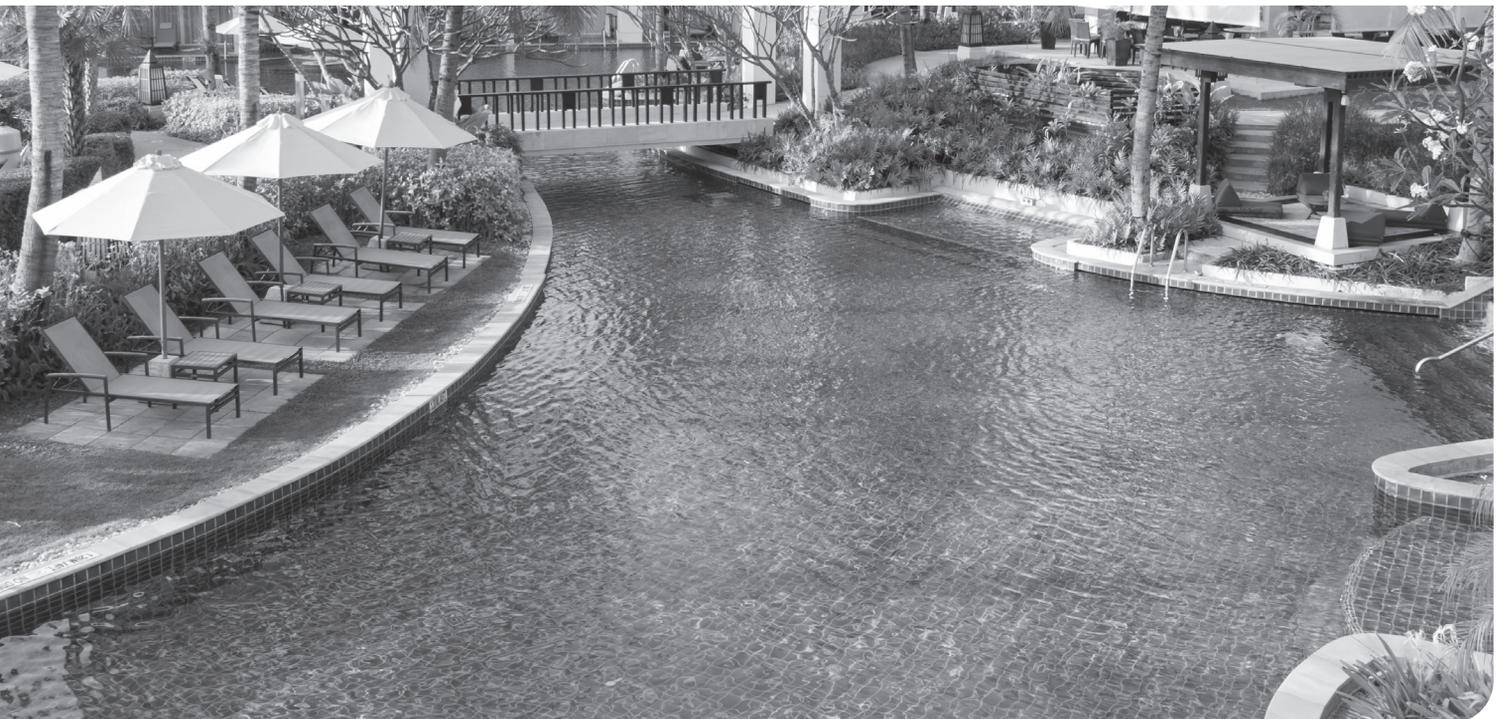
HCF SERIES SAND FILTERS (30" - 36")

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.	INSTALLATION CLEARANCE (INCHES)		CARTON WEIGHT	CARTON DIMENSIONS
	A	B	C	D	E	LBS.	VERT.	HOR.	LBS.	(LxWxH)
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"
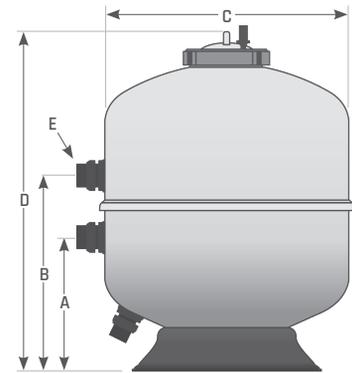
TECHNICAL SPECIFICATIONS & PERFORMANCE DATA

PART NUMBER	HCF230C		HCF234C		HCF236C		HCF336C	
Size of Fiberglass Sand Filter	30"		34"		36"		36"	
Filtration Area/ft^2/M^2	4.9	0.45	6.31	0.59	7.05	0.65	7.05	0.65
Filtration Rate GPM/ft^2	5-20		5-20		5-20		5-20	
Filtration Flow Rate at 15 GPM/ft^2 (GPM) (LPM)	73	278	94	358	105	400	105	400
Filtration Flow Rate at 20 GPM/ft^2 (GPM) (LPM)	98	370	126	476	141	533	141	533
Backwash Flow Rate GPM/ft^2	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.
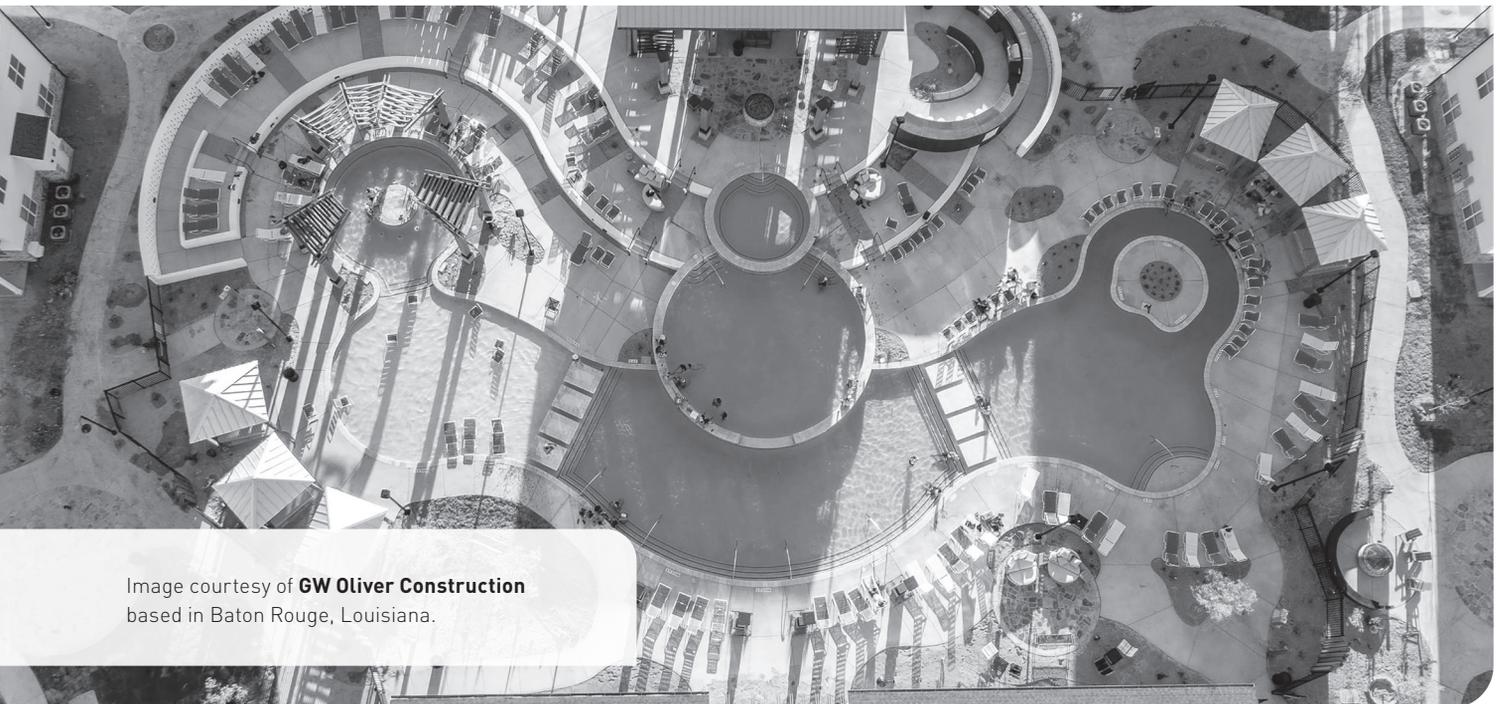Filter accessories can be found on page 451

Image courtesy of **GW Oliver Construction** based in Baton Rouge, Louisiana.

COMMERCIAL MULTIPORT 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

MULTIPORT VALVE APPLICATION CHART

HCF SERIES FILTER MODEL	PORT SIZE	MULTIPORT 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 ft² 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 ft² 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**

HEAD LOSS TOP MANIFOLD
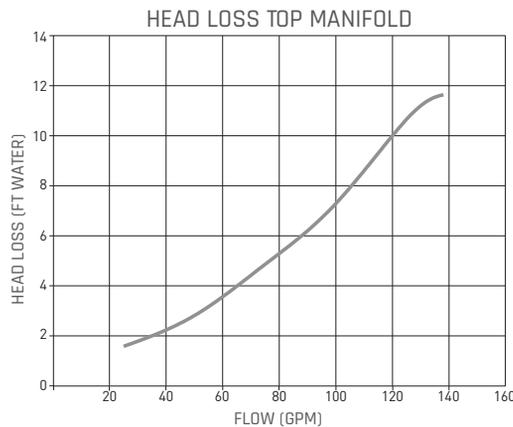
GPM	HLF
0	-0.5
25	1.58
50	2.81
75	4.86
100	7.29
125	10.66
138	11.64
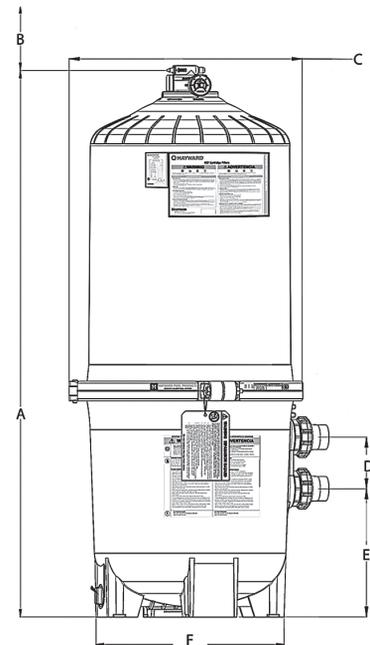
TECHNICAL SPECIFICATIONS AND PERFORMANCE DATA

PART NUMBER	HCF7030C
Product Dimensions	52.5" Tall, 26" Diameter
Effective Filtration Area	700 ft²
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

» For more details and ordering information call 1-888-238-7665

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 Level¹	•		•	
	Tank Level¹	•		•	
	Digital Flow¹	•	•	•	
	Total Dissolved Solids	•			
	NaCl (Salt)	•			
	Backup Sanitization (Secondary ORP Set Point)	•		•	
	Free Chlorine				
	LSI Calculation				
	Total Dynamic Sanitizer Control				
FEATURES AND CAPABILITIES	Auxiliary Relays	2	2	1	
	Powered Auxilary Relay				
	PVC Backboard	•	•	•	•
	Mounting Bracket				
	Installation Kit²	•	•		•
	Touch Screen Display				
	Bluetooth Enabled³				
	4-20ma Inputs³				
	Circulation Pump Inter-lock				
	Wireless, Web-based Communications⁴	✓	✓	✓	

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 ¼" Speedfit Connectors, 30' of installation tubing, Professional Series pH and ORP Sensors and are pre-mounted on PVC backboard.
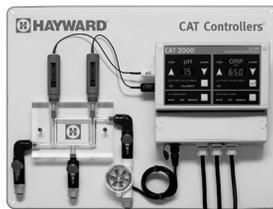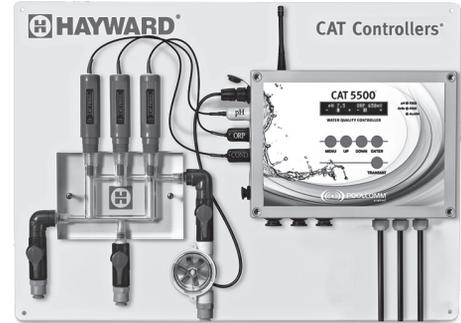
Professional Package

Standard Package

[1] Additional sensor required.

[2] Installation Kit includes two quick connect fittings and 30' of ⅜" OD poly tubing.

[3] Coming soon.

[4] Specify transceiver type when ordering.

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® 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® 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® 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® or Android™
» **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.

» **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

NOW MONITORS
CL, SALT & TDS
READINGS

HAYWARD.COM/POOLCOMMAPPTUTORIAL
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
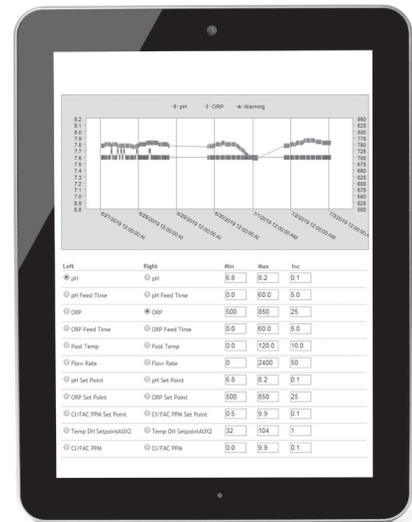
REMOTE WATER QUALITY MANAGEMENT AT YOUR FINGERTIPS.

PoolComm®

Download FREE PoolComm App for iPhone or Android.

Available on the App Store

GET IT ON Google play

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.
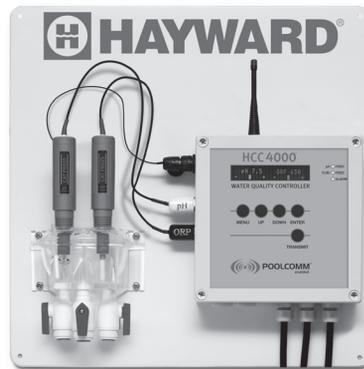
» **Wireless design** can transmit an infinite amount of chemical reading data to the Hayward PoolComm app

» **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.
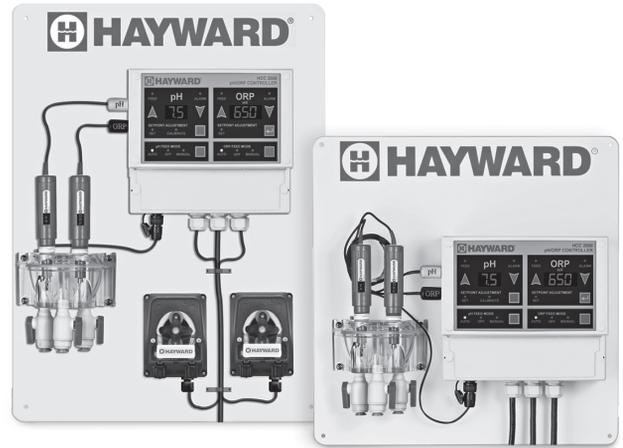
» **Advanced microprocessor-based design** technology

» **Comes with chemical feed equipment** compatible with all existing chemical feed systems: chlorine, bromine, electronic chlorine (salt) generators, acid and CO_2

» **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
PRO15-10	SENSOR-PH, 10' CABLE
PRO15-2	SENSOR-PH, 2' CABLE
PRO25-10	SENSOR-ORP, 10' CABLE
PRO25-2	SENSOR-ORP, 2' CABLE
PRO25-AU-10	SENSOR-GOLD, ORP, 10' CABLE - SALT WATER APPLICATIONS
PRO25-AU-2	SENSOR-GOLD, ORP, 2' CABLE - SALT WATER APPLICATIONS
PRO55-2	CONDUCTIVITY PROBE TDS/NACL- 2' CABLE - CAT 3500 & 5500
PRO65	SENSOR ASSEMBLY, TDS, CAT 6000
PRO75	SENSOR ASSEMBLY, CI, CAT 6000
PS001	PROBE-KIT, SAVER
AC0317	ADAPTOR, BNC SENSOR CONNECTOR

CO2 CONTROL ACCESSORIES:

AC003	SYSTEM-RESIDENTIAL, CO_2, PH
AC004	SYSTEM-STANDARD OUTPUT, CO_2
AC005	SYSTEM-HIGH OUTPUT, CO_2
AC006	SWITCHOVER-AUTO, CO_2

SOLENOID VALVES (EROSION FEEDERS & AUTO-FILLS)

AC015	VALVE-BRASS, 110 VAC, 3/4 IN
AC018	VALVE-STAINLESS, 110 VAC, 3/8IN

CHEMICAL FEED PUMPS (NO CHEM STORAGE VAT)

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

CHEMICAL FEED PUMP & CHEMICAL TANK COMBO

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

COMPLETE CONTROLLER SAMPLE VESSEL KITS

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 CONDUCTVITY SENSOR (PROFFESSIONAL PACK, 3500 & 5500)
AC090	FLOW CELL-ASSEMBLD LESS SENSOR - CAT 6000

TEMPERATURE SENSOR

AC316	TEMPERATURE SENSOR, CAT 5000
AC320	CBL, 15FT TEMP. SENSOR EXTENSION
AC325	CBL, 30FT TEMP.SENSOR EXTENSION

PART NUMBER	PROBES AND PROBE ACCESSORIES
FLOW SENSOR	
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
DIGITAL LEVEL SENSOR (WATER & CHEMICAL LEVELS)	
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
COMMUNICATION ACCESSORIES	
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

*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.

HyrdoRite 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.

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 SUPLIMENTAL 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 *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *E. faecium* and *P. aeruginosa* 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 *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* bacteria	>3-log removal of *Cryptosporidium Protozoa*, *E. faecium* and *P. aeruginosa* 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 m² or mW/cm² UV intensity	Touch menu driven with m² or mW/cm² UV intensity	Touch menu driven with m² or mW/cm² 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

» For more details and ordering information call 1-888-238-7665

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.

MVP
2018
MOST VALUABLE PRODUCTS

SALINE C 11.0

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**

NSF Certified to NSF/ANSI Standard 50 | C ETL US LISTED | CSA CERTIFIED ® | 2 YEAR WARRANTY
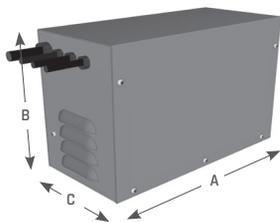
SALINE C 6.0

POWER SUPPLY DIMENSIONS

	SALINE C 6.0	SALINE C 11.0
A	12"	12.75"
B	8"	8"
C	5.625"	11.125"
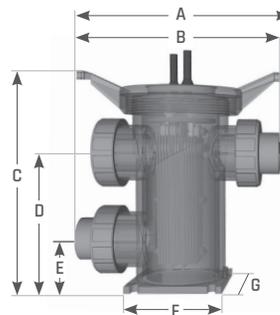
VESSEL DIMENSIONS

	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
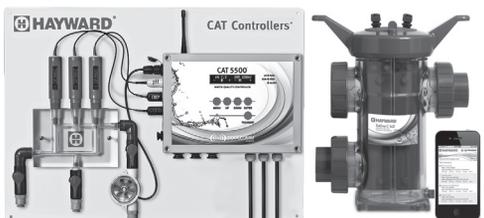
For total efficiency and maximum control, **HydroRite® UV** is the perfect complement to **Saline C Series** salt chlorine generators and our pH/ORP CAT Controllers,® like the new **CAT 5500.®** When these products are installed together, this complete sanitization system becomes an advanced automated 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
HCSCECFS15	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
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.

2 YEAR WARRANTY

CADDY CART

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.^{2}		Caddy Cart	Included
Motor System	Non-oil filled, microprocessor		Carton Quantity	1
Cleaning Speed	55 ft.^{2}/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.

SAVE UP TO
86%
ON ENERGY COSTS

## 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 breakthough 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.

c(UL)us | ②YEAR WARRANTY

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

3.7in
2.6in
10.6in
0.5in
1.4in 2.3in

5.0in
0.8in
4.1in
5.8in
0.1in
0.3in
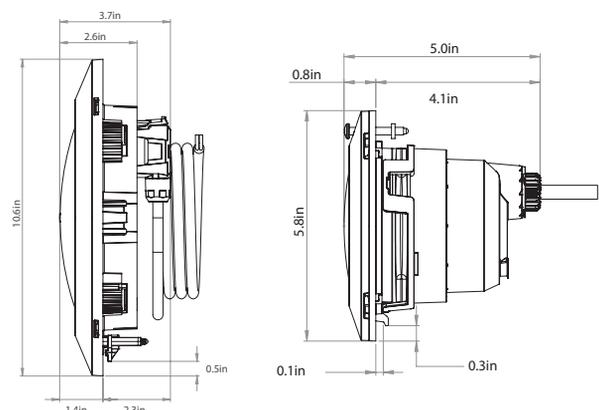
CRYSTALOGIC® 320 AND 160 WHITE LED LIGHTS

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
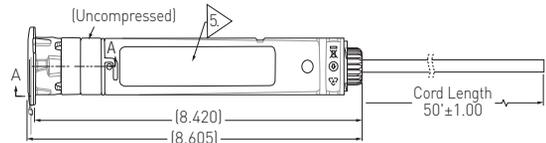
SPECIFICATIONS

STANDARD SWITCHED LIGHTS		EQUIVALENT BRIGHTNESS	LUMENS	CORD LENGTH (FT.)
LAWUS11030				30
LAWUS11050	High Lumen CrystaLogic 320 12V Lights	100W	1100	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

HAYWARD   PENTAIR   THERMOCRAFT   INTERMATIC

UCL CONCRETE NICHES

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
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

BEAM ANGLE

BEAM   DISTANCE
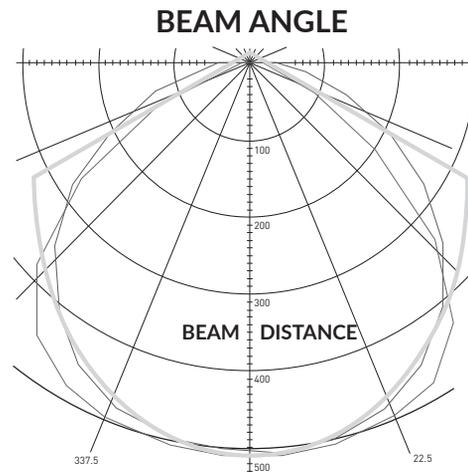
CALCULATE NUMBER OF LIGHTS NEEDED

$$\text{Number of Lights} = \frac{\text{Pool Surface Area} \times 8 \text{ Lumens}}{\text{Lumen Output of Light}}$$

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) / 6.5 (40s)	2 Drivers (10 Lights)	4 (2 +2 Drivers) (20 Lights)	13 Drivers (65 Lights)	1 (80s) / 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
12V PureWhite LED						
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.
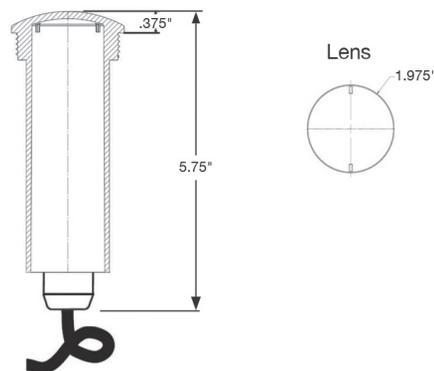
Features

» Easy installation; fits in most manufacturers 1 1/2" wall fittings
» 4" minimum water depth

PureWhite VU

OVERALL DIMENSIONS (INCHES)

.375"

5.75"

Lens

1.975"

PUREWHITE LED POOL LIGHTS BUYING GUIDE

MODEL NUMBER	DESCRIPTION	PEAK LUMENS	VOLTAGE	CCT	CORD LENGTH	CTN. QTY.	CTN. WEIGHT
PureWhite® LED Pool Fixture "500W Equivalent"							
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.
PureWhite LED Pool Fixture "400W Equivalent"							
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.
Watt PureWhite LED Pool Fixture "300W Equivalent"							
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
39-Watt PureWhite LED Pool Fixture (cont.) "100W Equivalent"							
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
87-Watt PureWhite® LED Pool Fixture for SwimQuip Niches 500W Equivalent							
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.
58-Watt PureWhite® LED Pool Fixture for SwimQuip Niches 300W Equivalent							
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.
39-Watt PureWhite® LED Pool Fixture for SwimQuip Niches 100W Equivalent							
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.
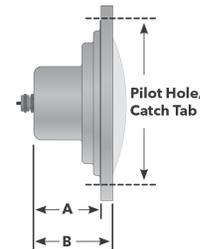
Features

» 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)

Pilot Hole/Catch Tab

	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
13-Watt PureWhite LED Spa Fixture 100W Equivalent							
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.
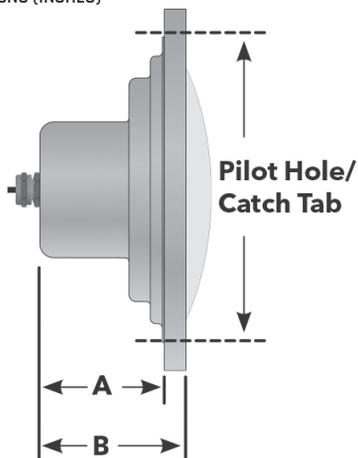
Features

» 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

PureWhite LED Pool Light

OVERALL DIMENSIONS (INCHES)

Pilot Hole/ Catch Tab

	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 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 LIGHTS FOR SWIMQUIP NICHES

MODEL NUMBER	DESCRIPTION	TYPE	PEAK LUMENS	VOLTAGE	CCT	CTN. QTY.	CTN. WEIGHT
PureWhite-Pro LED Pool and Spa Lamps							
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.
PureWhite-Pro LED Pool and Spa Lamps with Guardian Gasket							
26029	LPL-PR-WHT-12	Pool	1500	12	6500	1	1 lb.

MODEL NUMBER	DESCRIPTION	TYPE	CTN. QTY.	CTN. WEIGHT
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

5.25"

5.35"

2.94"

3.30"

GUARDIAN™
Silicone Lens Gasket

J&J ELECTRONICS LOW VOLTAGE TRANSFORMERS

MODEL NUMBER	DESCRIPTION	FINISH	WATTAGE	CTN. QTY.	CTN. WEIGHT
12-14V Pool and Spa Light Transformer					
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)

4.25"
(107.95 mm)

5.25"
(133.35 mm)

.75"
(222.25 mm)
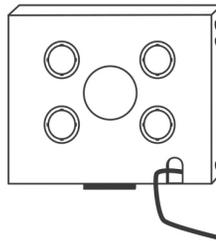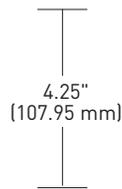
Bottom
TR-100-PP
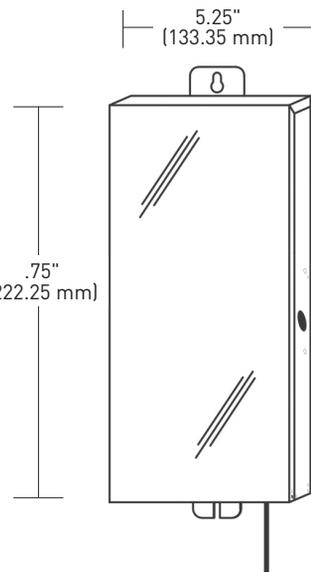
Front
TR-300-PP

Commercial Water Features

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

24"

13 ⅞"

29 ½"

13 ⅝"   9 ¾"

28" = 250,000 BTU   36 ½" = 400,000 BTU
40 ½" = 500,00 BTU
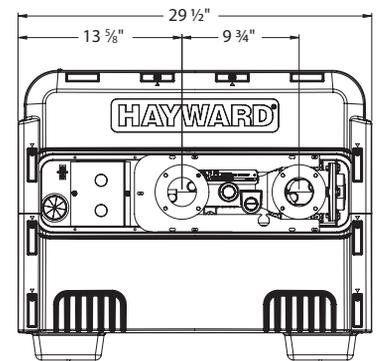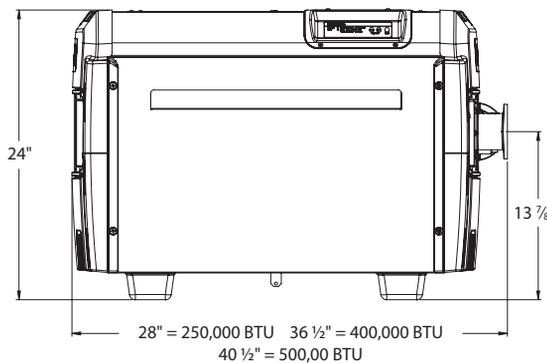
COMMERCIAL HEATER ACCESSORIES

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 Adapter 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 Adapters 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 Diamter	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"
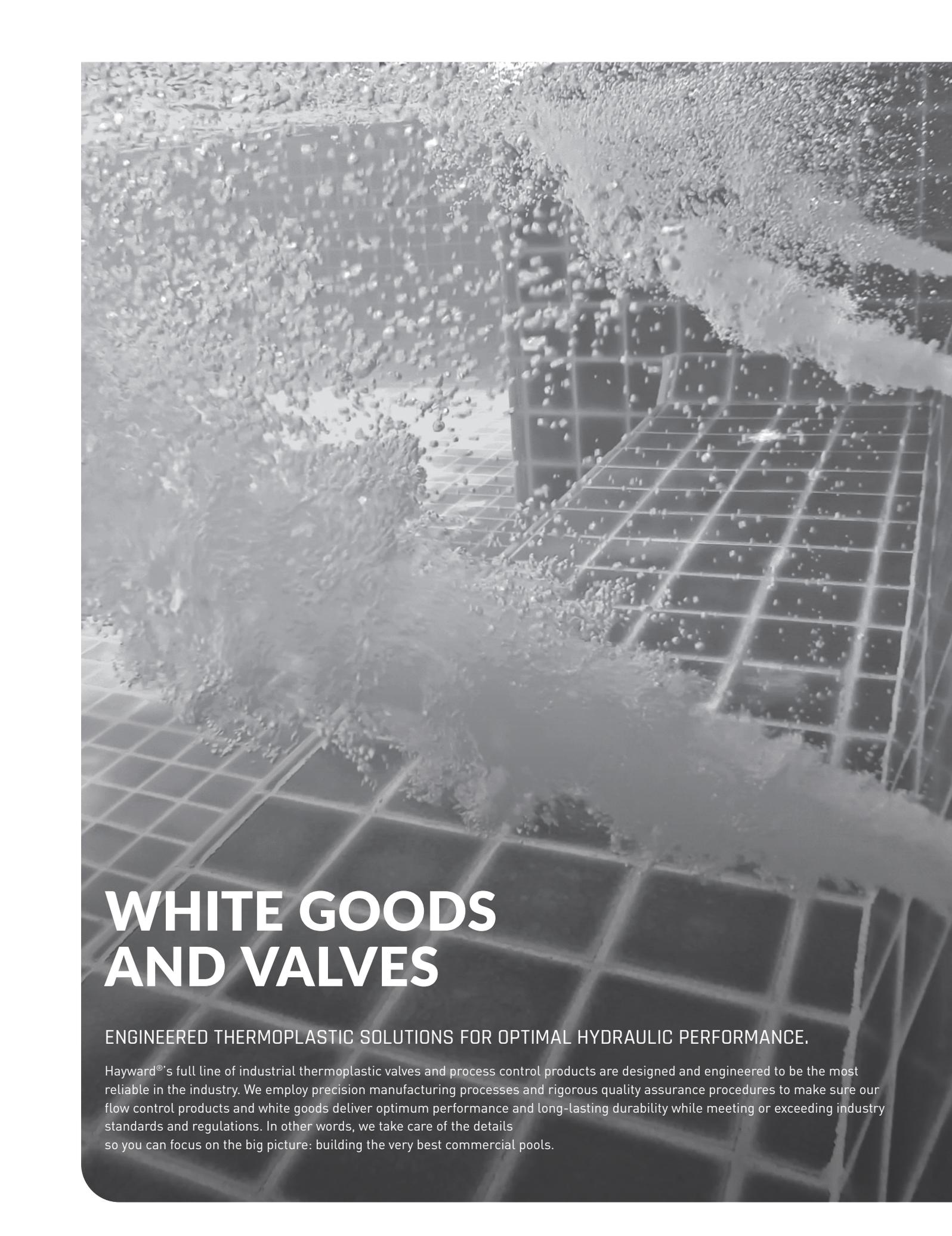
WHITE GOODS AND VALVES

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

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

TRUE UNION COMPACT BALL VALVES – QTA SERIES (GRAY AND WHITE)

» Pressure rating 150 psi
» EPDM seals
» Santoprene seats

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

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

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

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

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
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	

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	Discription	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
» ½"–1" Standard $^1/_{32}$" Perforation
» 1½"–8" Standard ⅛" Perforation
» NSF/ANSI Standard 61 Certified

NSF.
Certified to
NSF/ANSI/CAN 61

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
» ½" 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.

LLOYD'S REGISTER QUALITY ASSURANCE
ISO9001

1 YEAR WARRANTY

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

Review expiration dates of current VGB-compliant installed drain covers

MODEL NUMBER	PIPE SIZE	MOUNTING POSITION	SUMP PORT LOCATION	APPROVED FLOW GPM
WGX1031BHF2 & 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
WGX1032BHF2 & WG1032HF2PAK2 (12" x 12")	3"	Floor	Side	416
	3"	Wall	Bottom	308
	4"	Floor	Side	484
	4"	Wall	Bottom	308
WGX1033BHF2 & 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
REPLACEMENT COVER & INNER FRAME					
WGX1031BHF2	9" x 9"	23.96	112	10	12 lbs.
WGX1032BHF2	12" x 12"	41.07	192	10	18 lbs.
WGX1033BHF2	18" x 18"	124.1	580	10	39 lbs.
COVER, INNER FRAME & OUTER FRAME (2 per pack)					
WGX1031HF2PAK2	9" x 9"	23.96	112	4	18 lbs.
WGX1032HF22PAK2	12" x 12"	41.07	192	4	30 lbs.
WGX1033HF2PAK2	18" x 18"	124.1	580	2	31 lbs.
3" SUCTION OUTLET SUMP WITH COVER (2 per pack)					
WGX1036HF2PAK2	9" x 9"	23.96	112	1	6 lbs.

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. Iapmo 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	XXXXXXXXXXXXX	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.
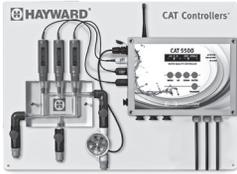****With Float and Equalizer Valves. NSF-Approved Lids.

Discover the Hayward Commercial Aquatics
Try it, Spec it, Love it Program

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 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.
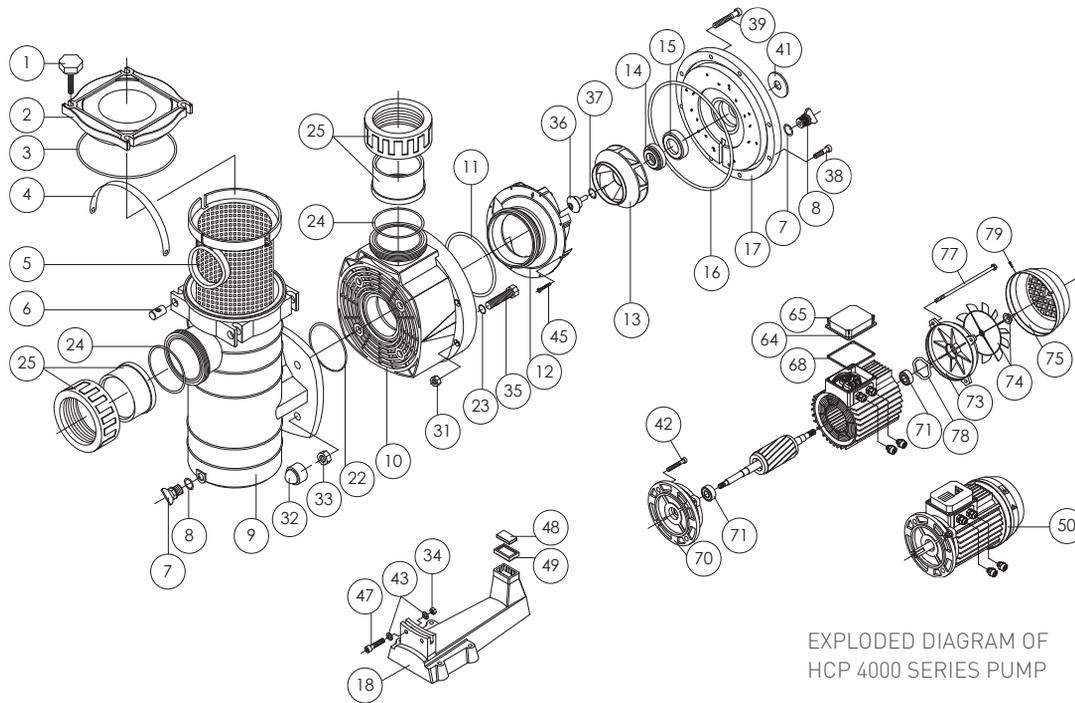
Replacement Parts

Commercial Pumps

EXPLODED DIAGRAM OF
HCP 4000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES					
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

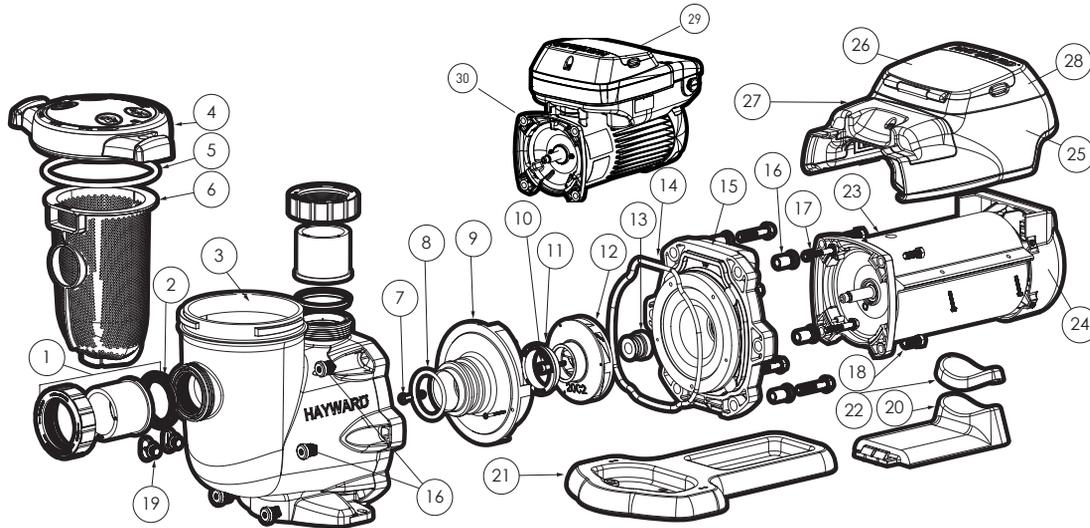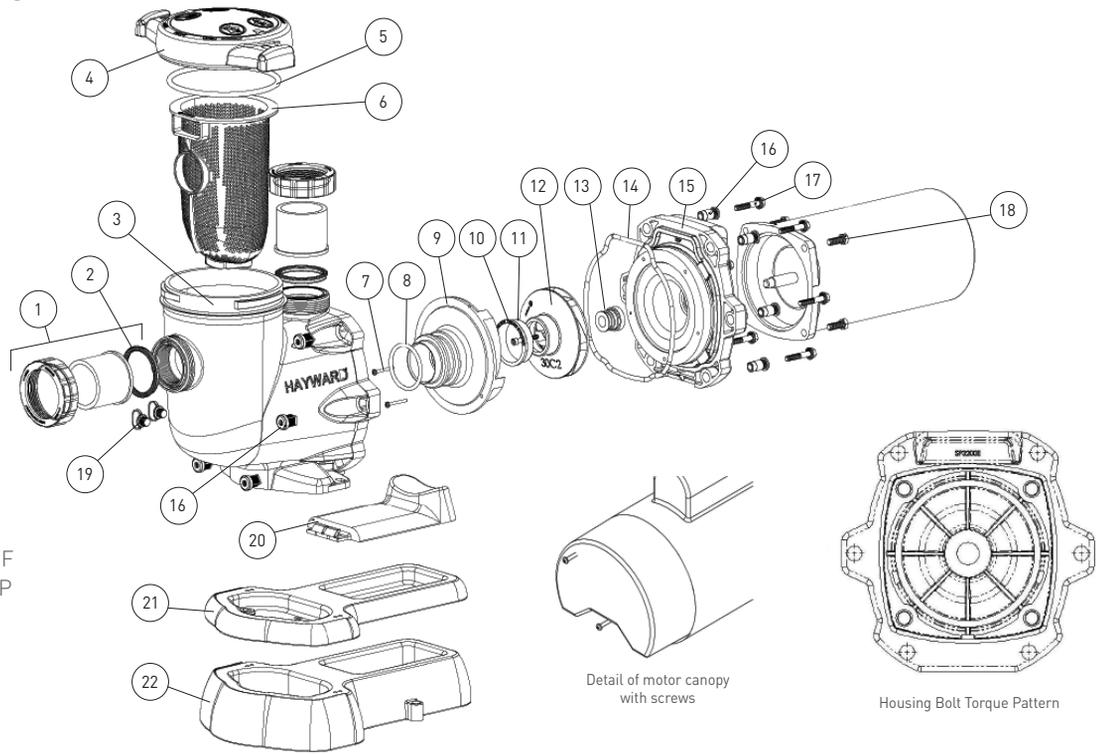| PART NUMBER	SIZE / DESCRIPTION	GTIN	COMPONENTS	DRAWING NUMBER	CARTON QTY
HCP 4000 SERIES, CONTINUED					
HCXP6014A	Pump Lid O-ring	0610377136280	Pump Lid O-Ring	3	1
HCXP6017A	Seal Plate	0610377136310	Plastic Flange	17	1
HCXP6018A	Seal Plate Screw Set	0610377136327	Nut DIN 934 M10 Screw DIN 912 M10 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
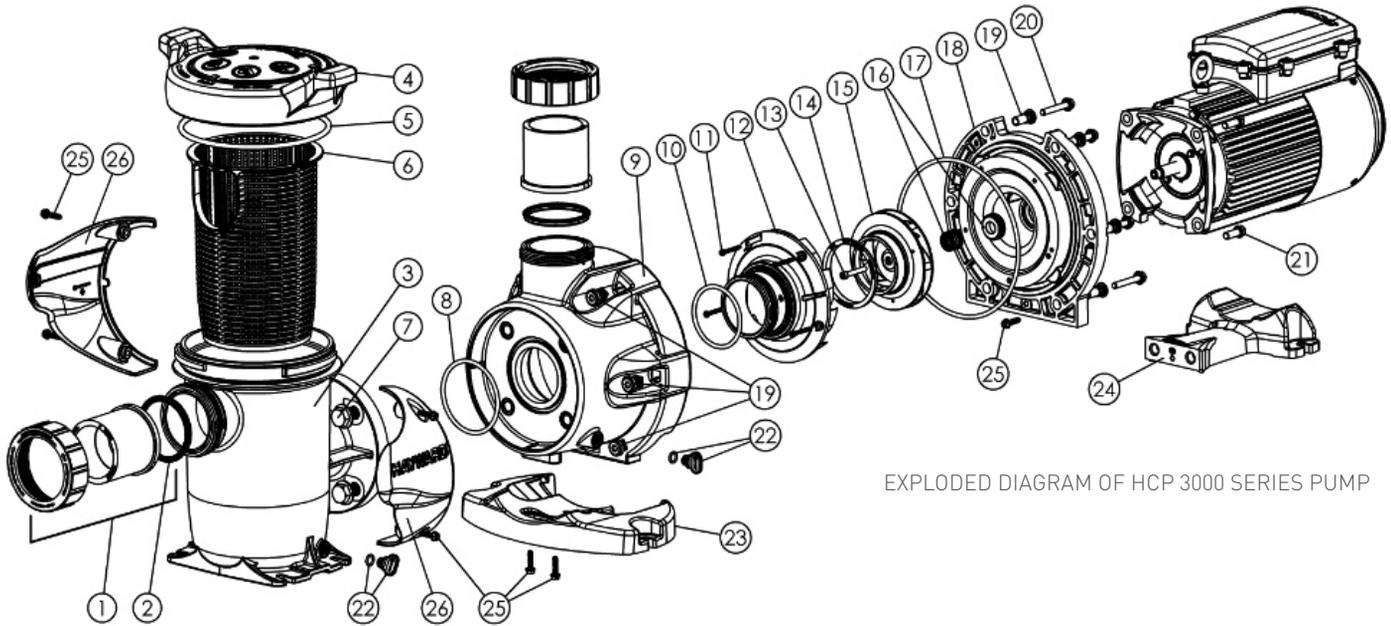
EXPLODED DIAGRAM OF HCP 3000 SERIES PUMP

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 3000 SERIES				
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

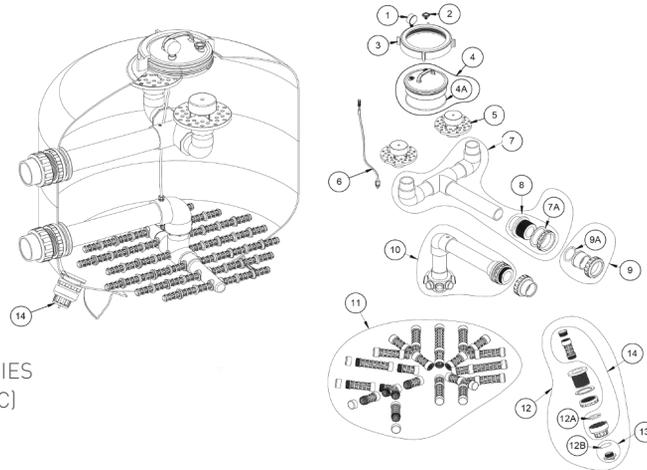| PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2500 SERIES (TRISTAR® VS C) AND HCP3400VSP				
SPX3200UNKIT	Union Connector Kit (Includes Union Nut, Union Connector, Union Gasket) (Qty of 2)	0610377912068	1	1
SPX3200UG	Union Gasket, 50D EPDM (Qty of 2)	0610377912075	2	1
SPX3200A	Pump 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 Assenbly 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
HCXP3400LCD	Digital Control Interface Assembly	0610377141079	28	1
SPX3200LCD	Digital Control Interface Assembly (HCP2500VSP)	0610377240741	29	1
SPX3400DRKIT	Wall Mount Kit	0610377135474	—	5
SPX3206Z1VSPE	Power End Assembly For HCP2500VSP (Includes Items #7-17, 20, 22, 29, 30)	0610377383332	—	1

EXPLODED DIAGRAM OF
HCP 2000 SERIES PUMP

Detail of motor canopy
with screws

Housing Bolt Torque Pattern

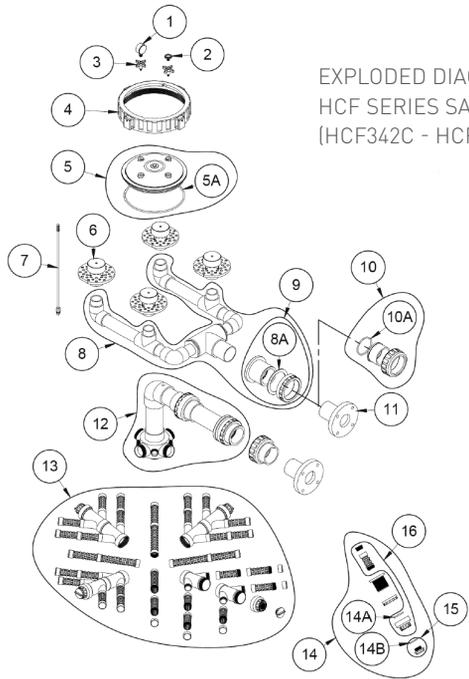| PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER	CARTON QTY
HCP 2000 SERIES (TRISTAR®) PUMP				
SPX3200UNKIT	Union Connector Kit	0610377912068	1	10
SPX3200UG	Union Gasket	0610377912075	2	100
SPX3200A	Pump Strainer Housing	0610377911900	3	1
SPX3200DLS	Strainer Cover Kit	0610377911948	4	10
SPX3200S	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	IImpeller for 3/4 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

*STA-RITE is a registered trademark of Sta-Rite Industries, Inc. and WHISPERFLO is a registered trademark of Pentair Water Pool & Spa, Inc., which are used herein for identification purposes only. These are retrofit bases for existing STA-RITE and WHISPERFLO pump installations. Sta-Rite Industries, Inc. and Pentair Water Pool & Spa, Inc. are not affiliated with Hayward Pool Products.®
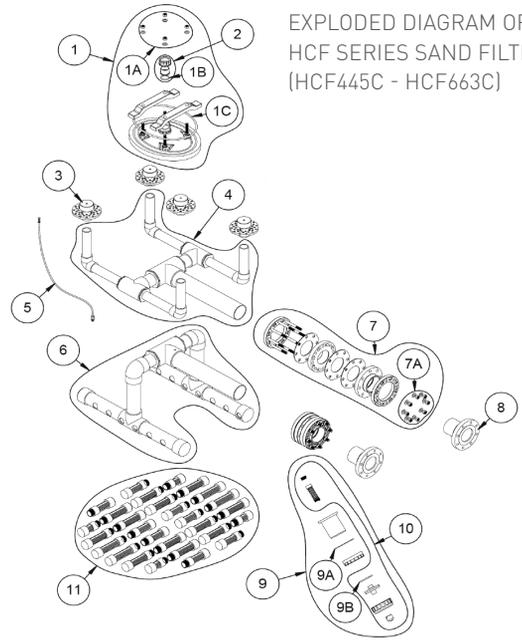
Commercial Sand Filters

EXPLODED DIAGRAM OF HCF SERIES
SAND FILTER (HCF230C - HCF336C)

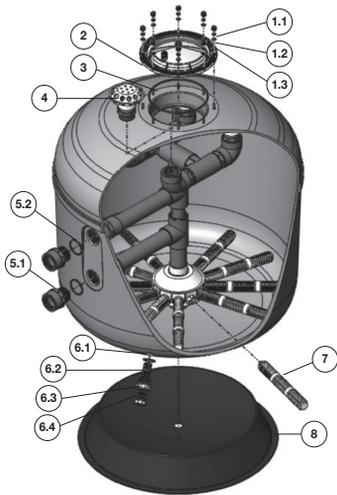| PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF230C - HCF336C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWLR003	Top Lid Locking Ring	3
HCXFWLIDKIT004	8" Clear Lid & O-Ring Kit	4
HCXFWLOR004A	8" Clear Lid O-Ring	4A
HCXFWDIF005	2" Diffusor Hydrodome	5
HCXFWVTKIT006	Vent Tube Kit	6
HCXFW2DIS007	HCF230C - 2" Distributor Assy	7
HCXFW2DIS107	HCF234C - 2" Distributor Assy	7
HCXFW2DIS207	HCF236C - 2" Distributor Assy	7
HCXFW2DIS307	HCF336C - 3" Distributor Assy	7
HCXFW2BHG007A	2" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG207A	2.5" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHG307A	3" Bulkhead Gasket (2 per pack)	7A
HCXFW2BHK008	2" Bulkhead Kit	8
HCXFW2BHK208	2.5" Bulkhead Kit	8
HCXFW2BHK308	3" Bulkhead Kit	8
HCXFW2UNAD009	2" Union Half Adapter	9
HCXFW2UNAD209	2.5" Union Half Adapter	9
HCXFW2UNAD309	3" Union Half Adapter	9
HCXFW2UNAOR009A	2" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR209A	2.5" Union O-Ring (2 per pack)	9A
HCXFW2UNAOR309A	3" Union O-Ring (2 per pack)	9A
HCXFW2COL010	HCF230C - 2" Collector Assy	10
HCXFW2COL110	HCF234C - 2" Collector Assy	10
HCXFW2COL210	HCF236C - 2.5" Collector Assy	10
HCXFW2COL310	HCF336C - 3" Collector Assy	10
HCXFWLATKIT011	HCF230C - Lateral Kit	11
HCXFWLATKIT111	HCF234C - Lateral Kit	11
HCXFWLATKIT211	HCF236C - Lateral Kit	11
HCXFWLATKIT311	HCF336C - Lateral Kit	11
HCXFWDPA012	1.5" Drain Port Assy	12
HCXFWDPOR012A	Media Drain Cap O-Ring	12A
HCXFWDPOR012B	Water Drain Plug O-Ring	12B
HCXFWDPCKIT013	Water Drain Plug & O-Ring Kit	13
HCXFWDPCKIT014	Water Drain Cap & O-Ring Kit	14

EXPLODED DIAGRAM OF
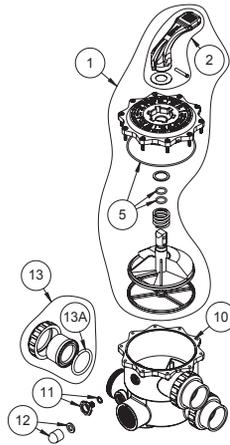HCF SERIES SAND FILTER
(HCF342C - HCF348C)

EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER
(HCF445C - HCF663C)

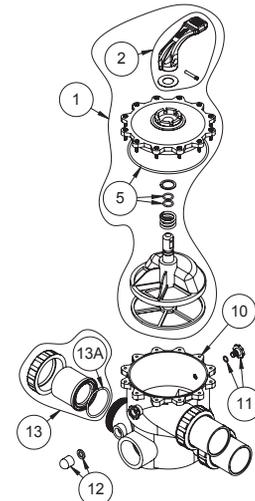| PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF342C - HCF348C)		
HCXFWPG001	Pressure Gauge 0-60 PSI	1
HCXFWARV002	Air Relief Valve & O-Ring Kit	2
HCXFWKNOB3	Knob for Clear 12" Lid	3
HCXFWLR004	12" Filter Lock Ring	4
HCXFWLIDKIT005	12" Lid Kit	5
HCXFWLOR005A	12" Lid O-Ring	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
HCF SERIES SAND FILTER (HCF445C - HCF663C)		
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	HCF455C - 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
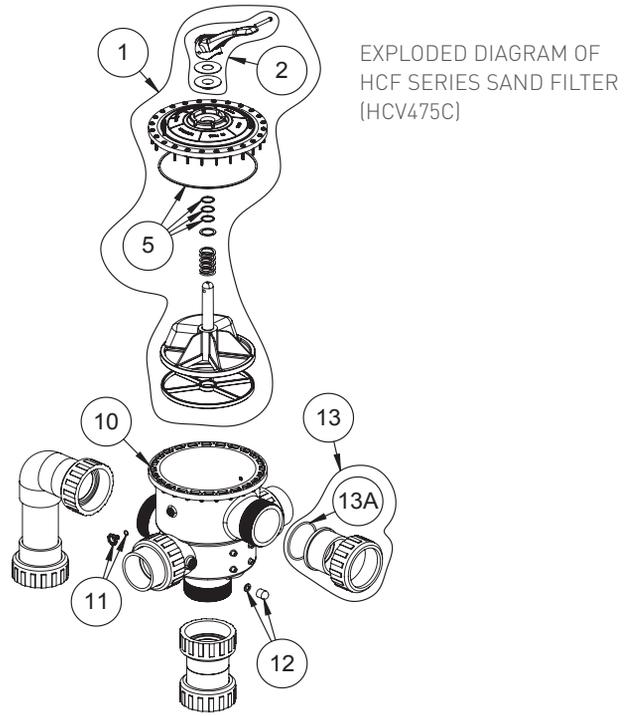HCF SERIES SAND
FILTER (HCF230, HCF234, HCF236)

EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER
(HCV275C)

EXPLODED DIAGRAM OF
HCF SERIES SAND FILTER
(HCV2575C)

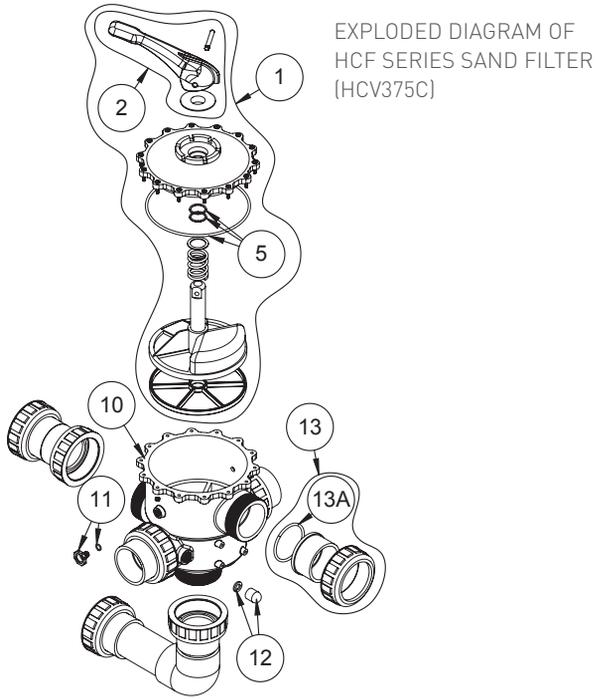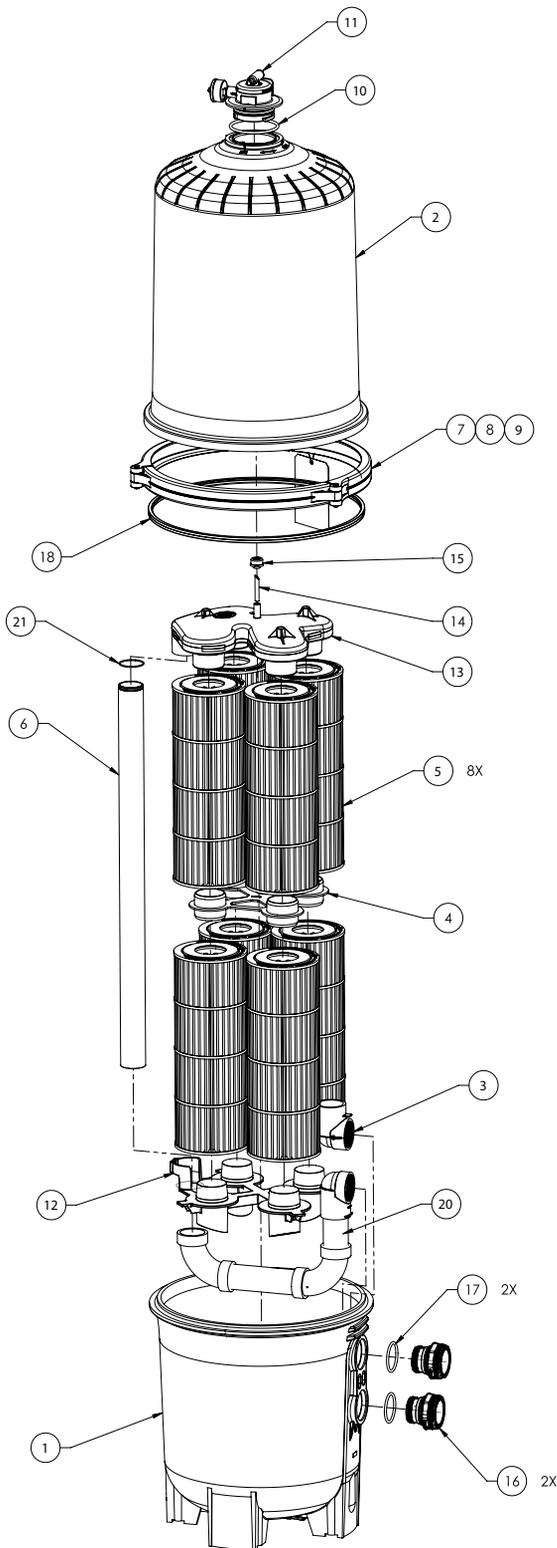| PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER
HCF SERIES SAND FILTER (HCF230, 234, 236)		
HCXFMCH1000	Lid Hardware Kit (Contains 8 sets per kit)	1.1, 1.2, 1.3
HCXFMCL1000	Polycarbonate Manway Cover	2
HCXFKLOR2	Manway Cover O-ring	3
HCXFDIF1000	Diffuser	4
HCXFBHE1000	Bulkhead Fitting Kit	5.1, 5.2
HCXFDK1000	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	—
HCF SERIES SAND FILTER (HCV275C)		
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
HCF SERIES SAND FILTER (HCV2575C)		
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

EXPLODED DIAGRAM OF HCF SERIES SAND FILTER (HCV375C)

EXPLODED DIAGRAM OF HCF SERIES SAND FILTER (HCV475C)

PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER
HCXMVINT375	HCV375C Valve Int Assy	1
HCXMVHNDLKIT3	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
HCXFW2UNAD309	3" Union Half Adapter	13
HCXFW2UNAOR309A	3" Union O-Ring (2 Pk)	13A

PART NUMBER	SIZE/ DESCRIPTION	DRAWING NUMBER
HCXMVINT475	HCV475C Valve Int Assy	1
HCXMVHNDLKIT4	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
HCXFW2UNAD409	2.5" Union Half Adapter	13
HCXFW2UNAOR409A	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 Fl 0	1
7	CLAMP-FILTER-3 SECTION	DE242l J	1
8	BOLT	DE242 l J2Z3S	1
9	CLAMP NUT	DE242LJ2Z4	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	C3000Jl	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-l/2" (BLACK)	SP1022CBLK	1
23	CARTON-CART FILTER, SWIMCLEAR	CCN7022CF	1

EXPLODED DIAGRAM OF
HCF SERIES CARTRIDGE FILTER

Commercial Automation

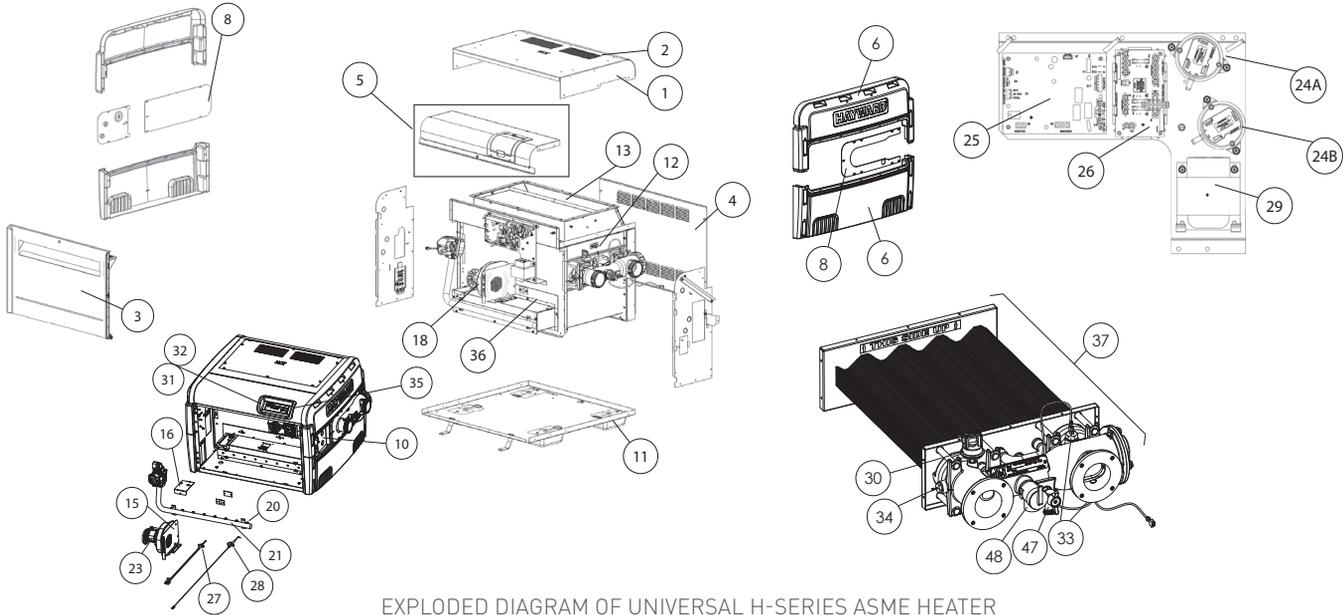| PART NUMBER	SIZE / DESCRIPTION	GTIN	CARTON QTY
CAX-20100	5 Amp Fuse	0761418012510	1
CAX-20101	1 Amp Fuse	0761418012527	1
CAX-20102	4 Amp Fuse	0761418012534	1
CAX-20275	10 Amp Fuse	0761418013135	1
CAX-20110	Thermal Printer Paper Per Roll	0761418012619	1
CAX-20150	Replacement Coil For AC015 or AC018	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^{®*} 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	ACO35 - Next Generation 1/4" Injection Check Valve	0610377261692	1
CAX-3512	ACO35 - 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^{®} CAT 6000^{™}	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
HCX015	HCC2000 pH Sensor - w/Hayward Label	0610377142144	1
HCX025	HCC2000 ORP Sensor - w/Hayward Label	0610377142151	1
HCX025AU	HCC2000 ORP Sensor Gold - w/Hayward Label	0610377142168	1

SUPPLEMANTAL	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		HYXUVSENCK	Replacement UV Sensor Kit - Complete	1
	X	HYXUVSENCKL4	Replacement UV Sensor Kit L4 Version - Complete	1
	X	HYXUVSENCKL4KIT	`	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	Contactor	1
X	X	HYXSACZNKIT	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

EXPLODED DIAGRAM OF SALINE C® 6.0 COMMERCIAL SALT CHLORINE GENERATOR
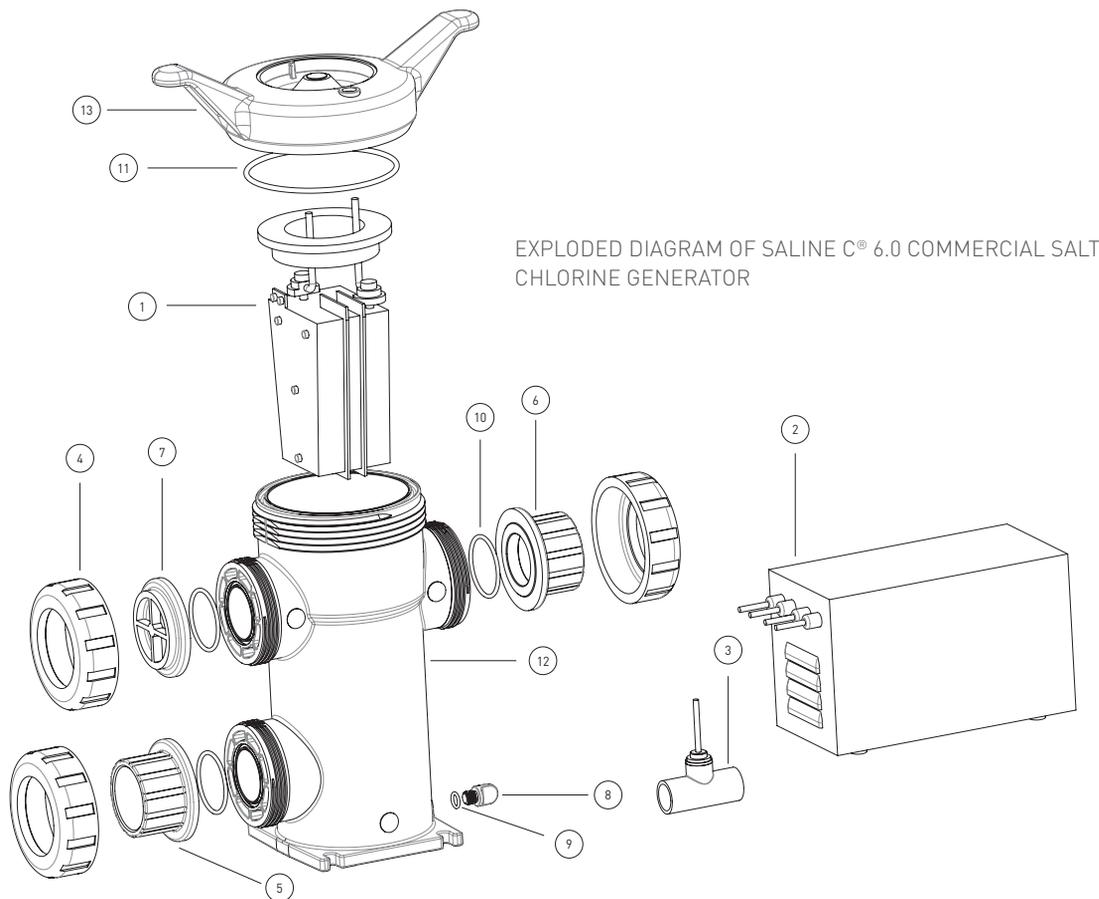
PART NUMBER	SIZE / DESCRIPTION	DRAWING NUMBER	CARTON QTY
SALINE C® 6.0			
HCXSCELL6	Replacement Cell & Cover	1	1
HCXSPS6	Power Supply	2	1
HCXSFLOS6	Flow Sensor	3	1
HCXCCCC	Replacement Cell Cables, Connector & Gray Cap	—	1
BSXC201CK	2" Clear Body	12	1
TBX122	2" PVC True Union Ball Valve Assembly Nut	4	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	
	O-ring #357 Viton 70 Duro - OR357V70	11	
SALINE C® 11.0			
HCXCCCC	Replace cell cables, connector, gray cap	—	1
HCXCCCC11	CAP-GR cables, connect Saline 11	—	1
HCXDISP611	Power supply, LCD display	—	1
HCXSCELL11	Cell &cover, Saline 11	—	1
HCXSFLOS11	Flow sensor, Saline 11	—	1
HCXSPS11	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	
	O-ring #352 Viton 70 Duro - OR352V70	11	

Commercial Heaters


EXPLODED DIAGRAM OF UNIVERSAL H-SERIES ASME HEATER

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS			
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
FDXLPLRC1930	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	0610377079907	24B
FDXLCONSKTA	Consumer Kit, (not shown)	–	–

PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
UNIVERSAL H-SERIES ASME HEATERS, CONTINUED			
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 *Includes:* » Gasket, Blower Mounting » Gasket, Cover/Air Box Front » Gasket, Manifold/Air Box	0610377072922	—
FDXLGSK1931	Gasket Kit - Exhaust Side - All Models *Includes:* » 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	—

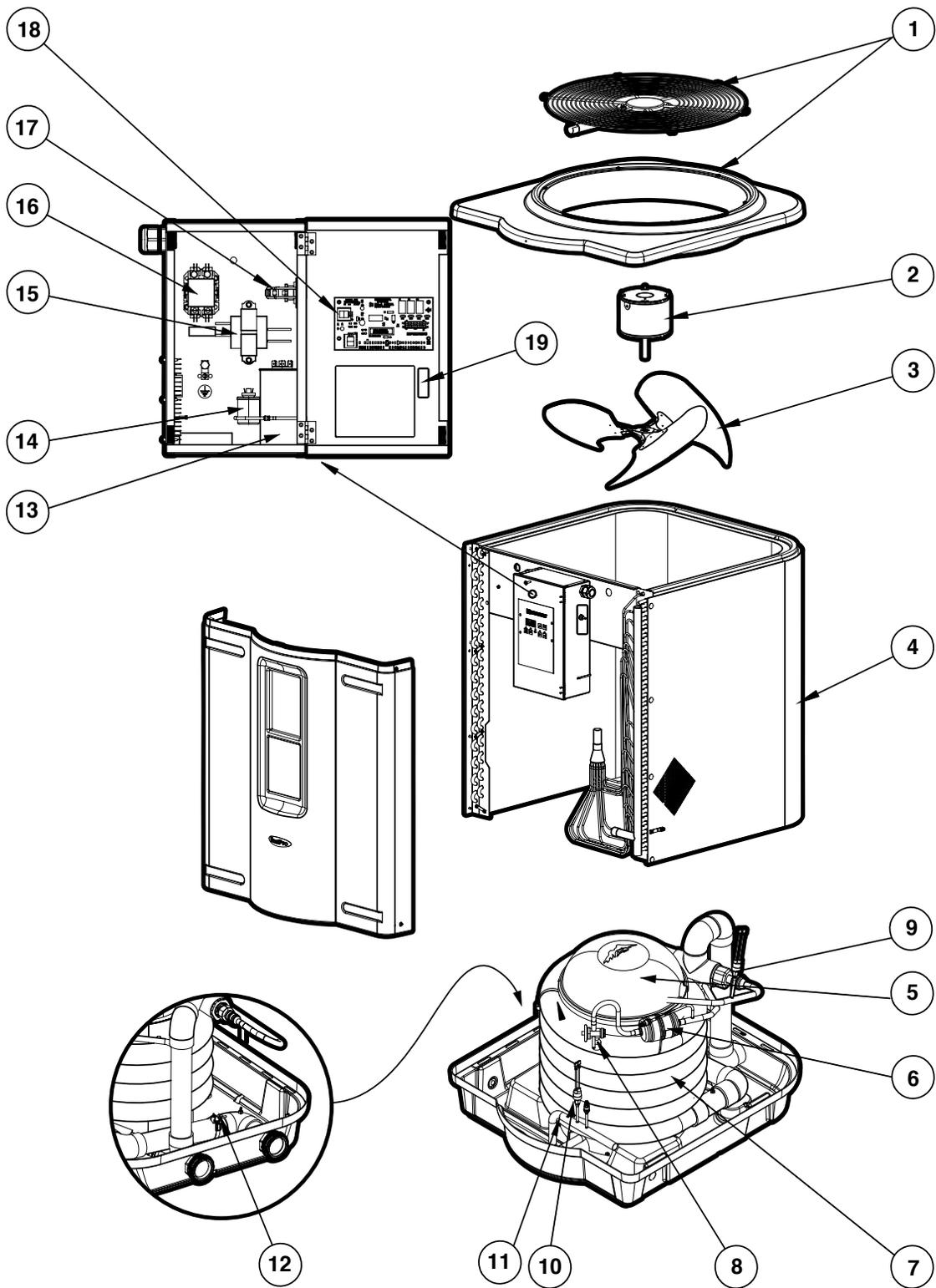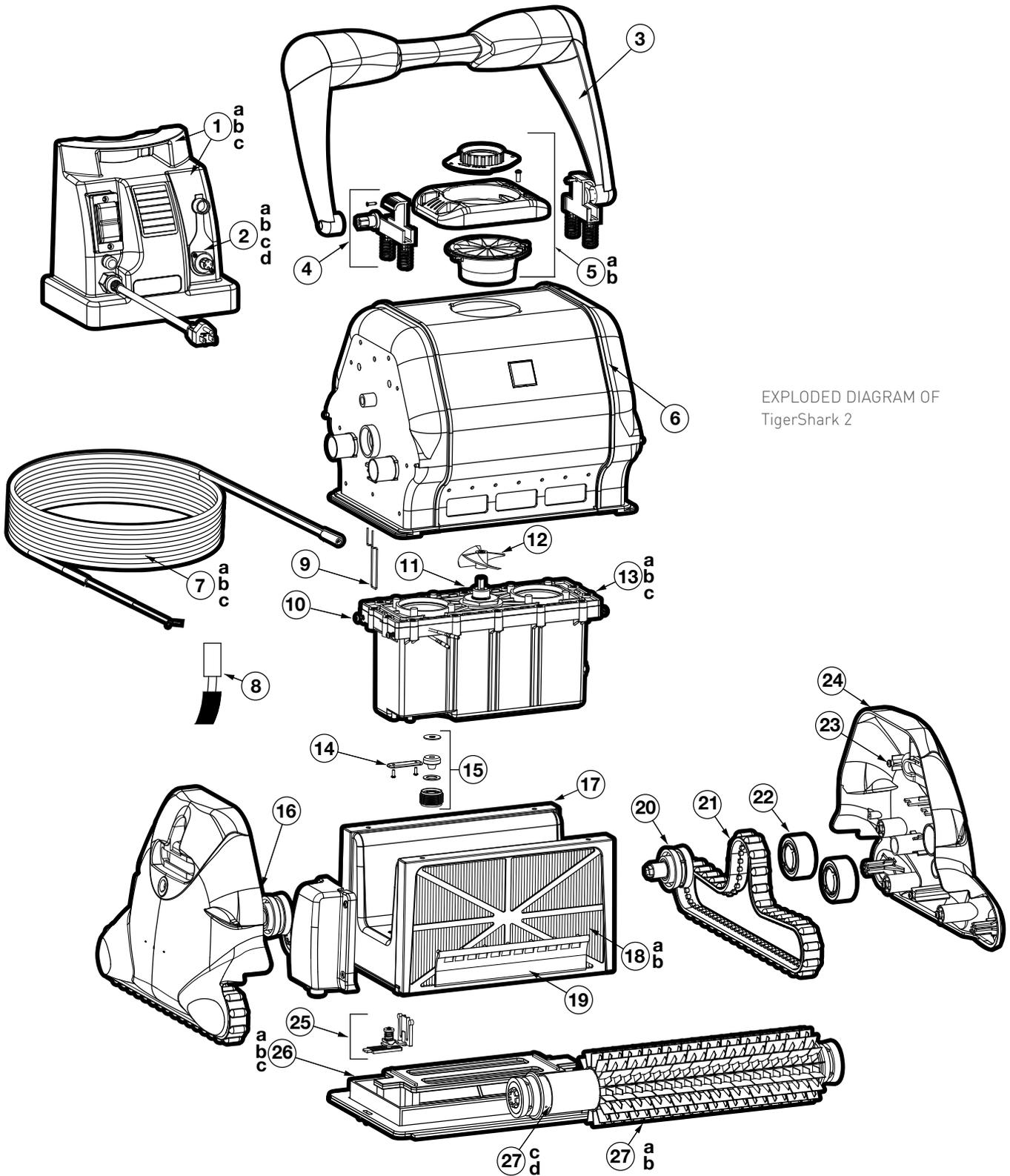| PART NUMBER	SIZE / DESCRIPTION	GTIN	DRAWING NUMBER
H500 GAS HEATER			
FDXLRGK1500	Kit - Rainguard Assembly H500FD	0610377277488	13
FDXLJKT1501	Jacket Top, Taupe, ASME - H500FD	0610377396493	1
FDXLHXA1500A	Heat Exch Assembly - H500FD ASME	0610377277587	37
FDXLGCKW500NP	Conversion Kit, NA to LP, Quick 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
FDXLBCP1500	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
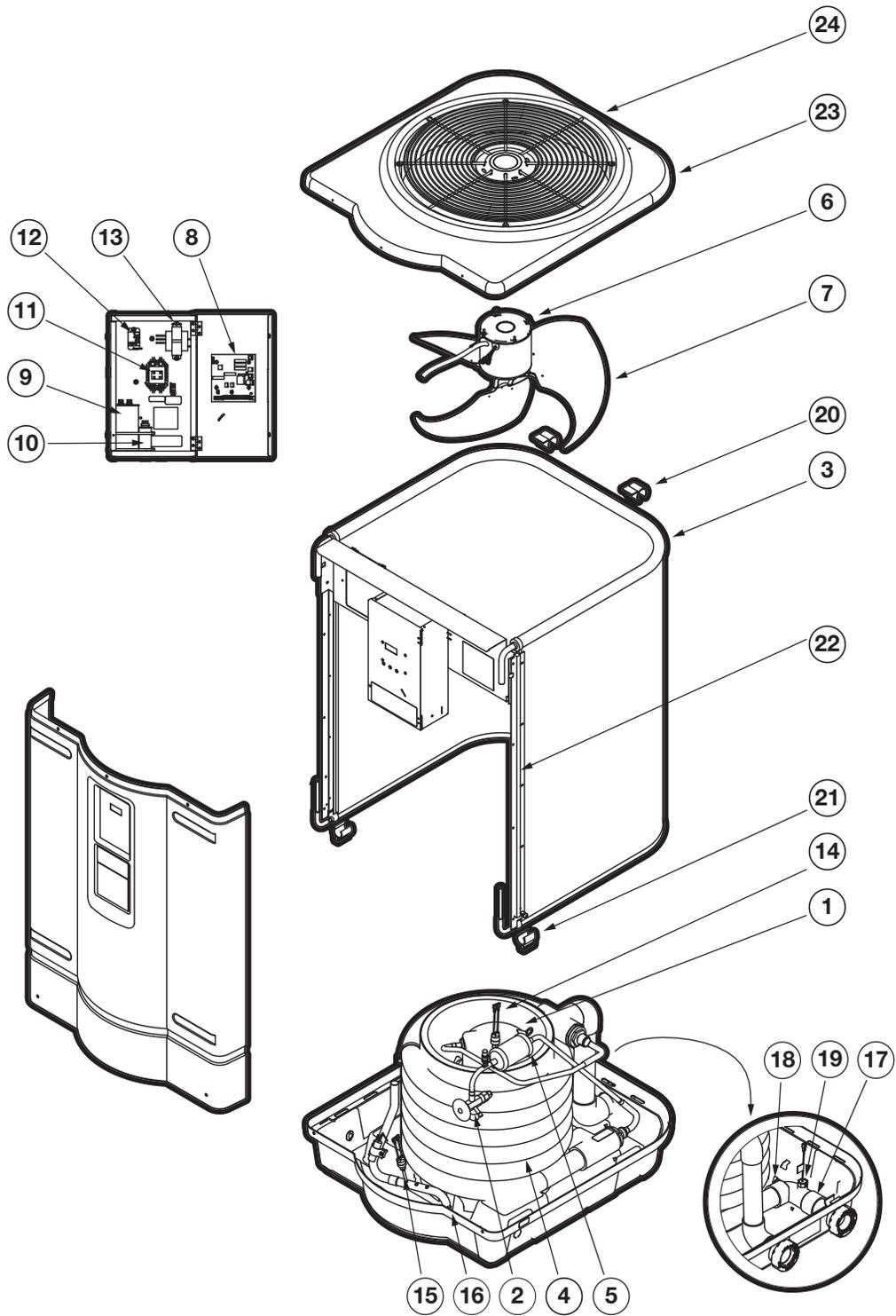
ITEM DESCRIPTION	110K	120K	140K	110K	120K H/C	140K H/C	NO.
HEATPRO® MICROCHANNEL SERIES							
COMPRESSOR	HPX51100101701	HPX51100101701	SMX11012755	HPX51100101701	HPX51100101701	SMX11012755	1
THERMAL EXPANSION VALVE (TXV)			HPX51700029001				2
EVAPORATOR	HPX52400099501	HPX52400099401	HPX52400099401	HPX52400099501	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				NOT SHOWN
REVERSING VALVE		NOT USED			HPX51700122401		
COMPENSATOR		NOT USED			HPX51700098901		
PLUG, COMPRESSOR			SMX10022329				
EVAPORATOR GUARD			HPX50100107101				
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
HEATPRO® HEATPUMP				
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 senal 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 senal 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	Contactor	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
TIGERSHARK 2 COMMERCIAL ROBOTIC CLEANER			
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
TRUE UNION BALL VALVE PARTS - TB SERIES			
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
TRUE UNION 3-WAY BALL VALVE PARTS			
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
TRUE UNION 3-WAY BALL VALVE PARTS, CONTINUED			
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
BYV SERIES BUTTERFLY VALVE PARTS			
BYXV4HLKIT	4" BYV Lever Assembly	0610377254656	1
BYXV6HLKIT	6" BYV Lever Assembly	0610377254663	1
BYXV8HLKIT	8" BYV Lever Assembly	0610377254717	1
BYCN SERIES BUTTERFLY VALVE PARTS			
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
BY SERIES BUTTERFLY VALVE PARTS			
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
BYCN SERIES BUTTERFLY VALVE PARTS			
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
BY SERIES BUTTERFLY VALVE PARTS			
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
BULKHEAD FITTING GASKETS			
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
BASKET STRAINER PARTS			
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
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS			
BS11001/32	1/32" PVC Perf Basket Replacement for 1/2," 3/4" and 1" Strainers	0610377659635	1
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS			
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
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS, CONTINUED			
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	0610377726443	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
BASKET STRAINERS: SIMPLEX & DUPLEX EXTRA/REPLACEMENT BASKETS, CONTINUED			
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

CAT Controllers
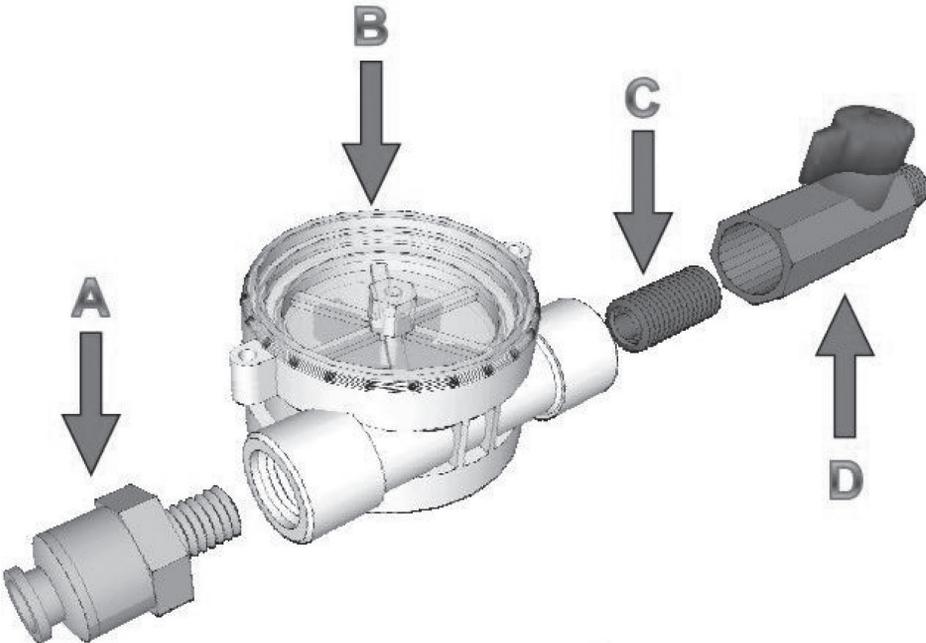
MOLDED FLOWCELL EXPLODED VIEW
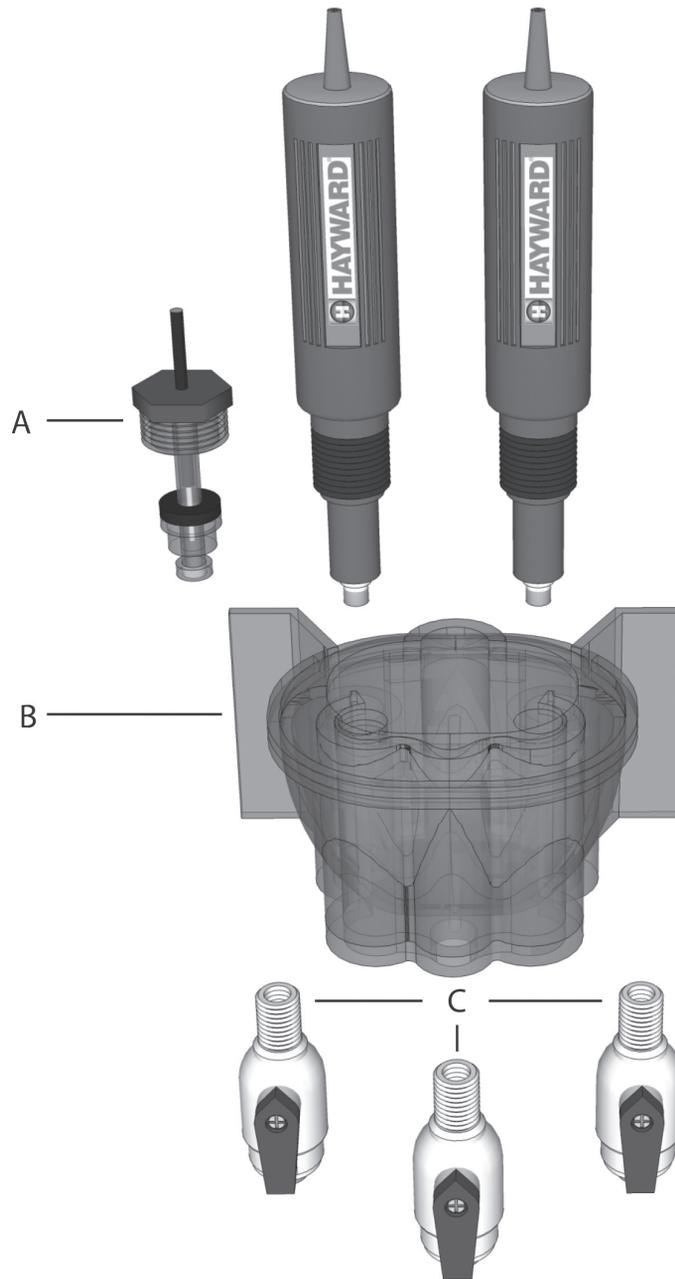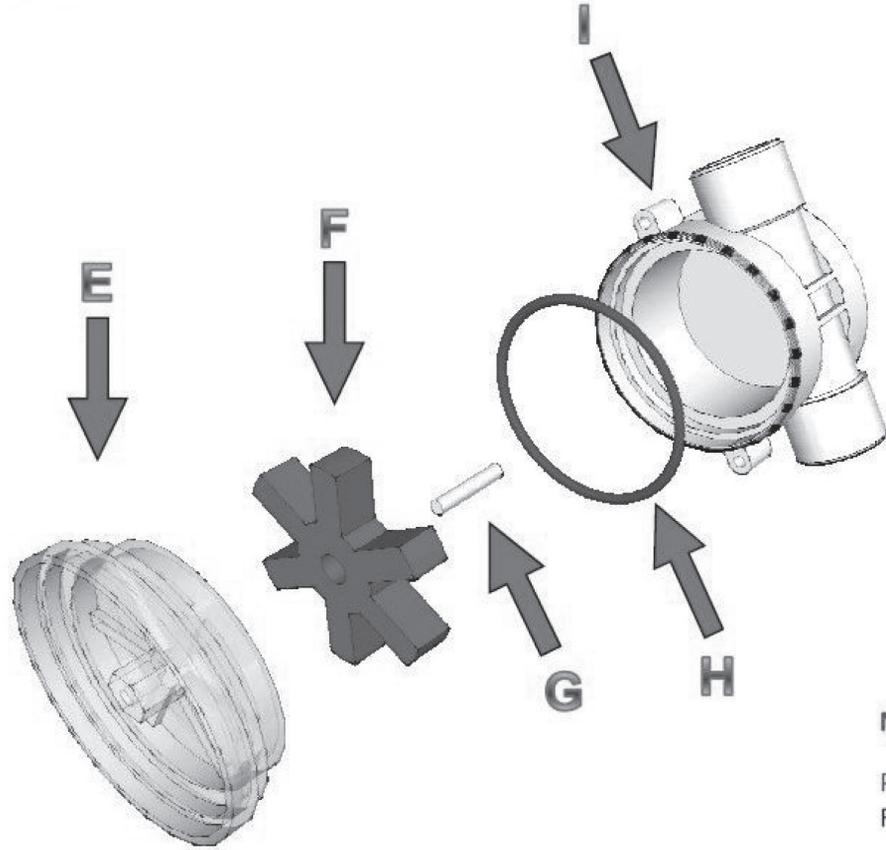

A = Float Style Flow Sensor   CAX-20206
B = Molded Flowcell   CAX-20272
C = 1/4" Parker Straight Valve   CAX-20260
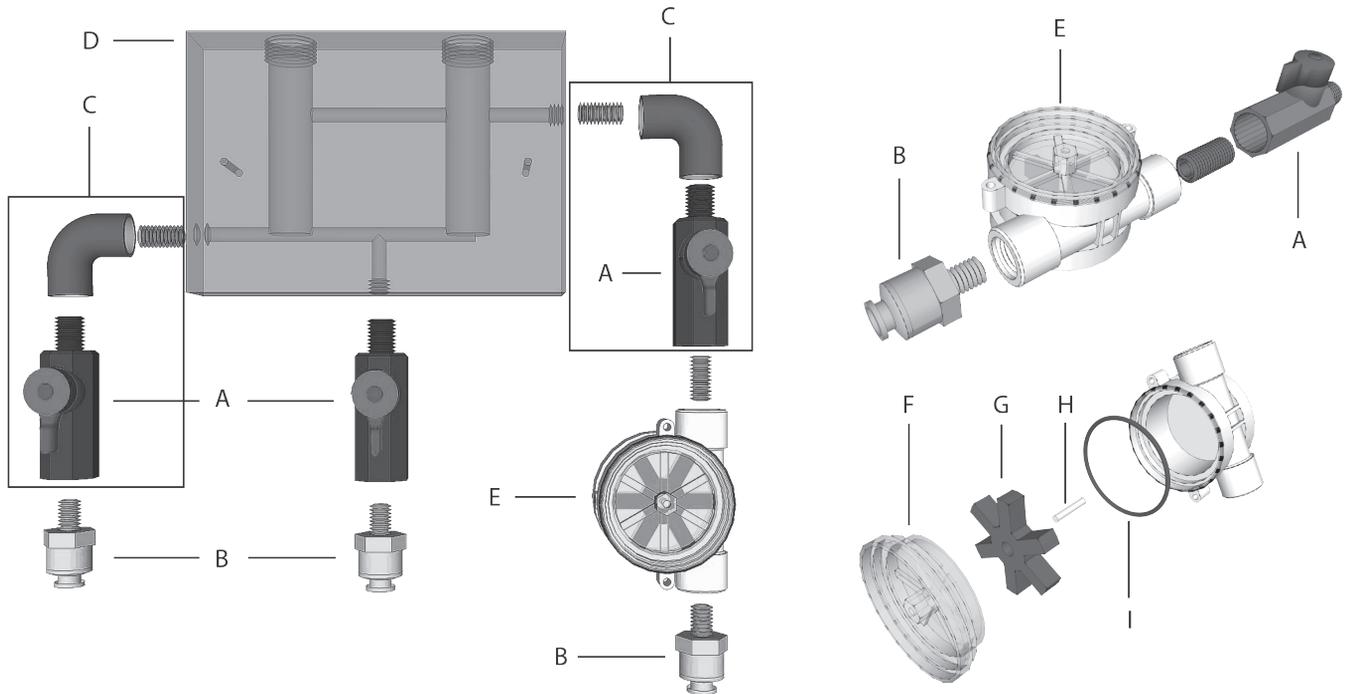
Complete = AC063

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
 - 90^0 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
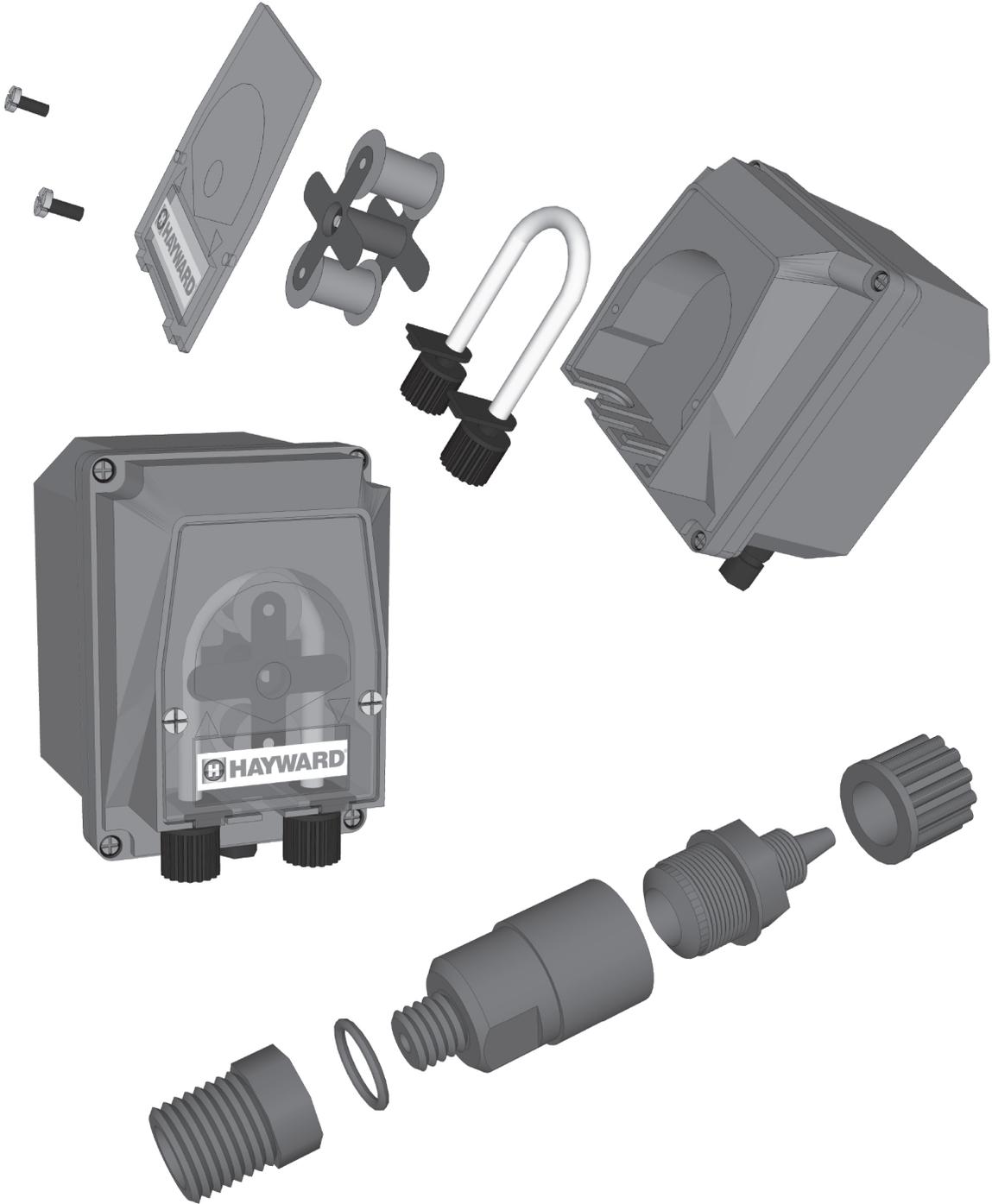
AC006 - AUTO-SWITCHOVER

The Hayward Commercial CO_2 Auto-Switchover System detects a low supply of CO_2 gas and automatically switches to the reserve cylinder. Entirely mechanical in design the unit provides a visual "cylinder in use" indicator and twing pressure guages.

The Auto Switchover works with the CAT CO_2 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_2 forms carbonic acid (H_2CO_2), 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_2 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_2 pH control systems CO_2**

AC004 - STANDARD SIZED REGULATOR

The CAT CO_2 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_2 forms carbonic acid (H_2CO_2), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the CO_2 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.
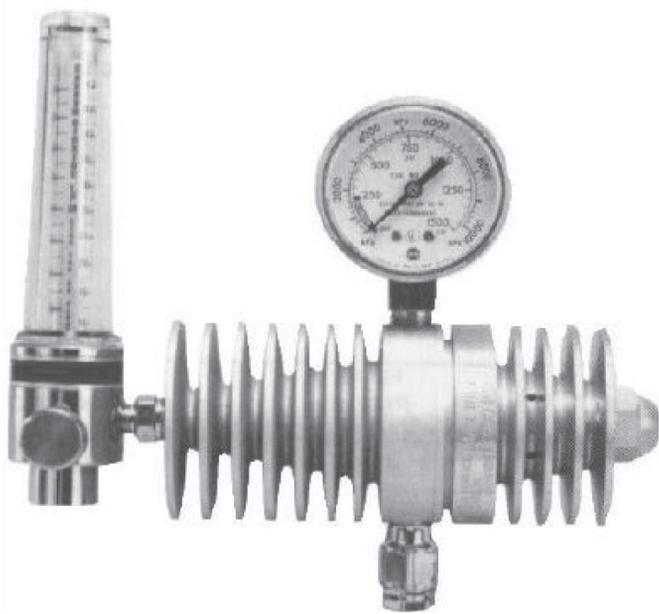
» **Integrated pressure regulator and flow meter**
» **Adjustable flow control,0-38 SCFH**
» **Pre-wired stainless steel solenoid valve**
» **High pressure flexible tubing, speedfit connectors**
   and PVC check valve included
» **Compatible with all CAT Controllers**
» **Manufactured in the USA**

AC005 - HIGH CAPACITY REGULATOR

The CAT CO_2 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_2 forms carbonic acid (H_2CO_2), a relatively weak acid which lowers the pH of the water while increasing total alkalinity.

Simple to install and operate, the CO_2 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, l/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 Is 1 psi cracking pressure

SINCE 1925

⊞ HAYWARD®

100

CELEBRATING A CENTURY

Pumps » Filters » Heaters » Sanitization » Automation » Lighting » Water Features » Cleaners » White Goods

⊞ HAYWARD®
COMMERCIAL AQUATICS