



HAYWARD®

HydroRite PVCUV Low Pressure UV Light System

Owner's Manual



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HYR75
HYR150
HYR400

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IMPORTANT SAFETY INSTRUCTIONS

When using this electrical equipment, basic safety precautions should always be followed, including the following:

READ AND FOLLOW ALL INSTRUCTIONS

- ⚠ WARNING** - Risk of Electric Shock. Connect HydroRite PVCUV only to a grounding type receptacle protected by a ground-fault circuit interrupter (GFI). Hayward recommends installation to a dedicated GFI circuit breaker performed by a licensed electrician.
- ⚠ WARNING** - Disconnect power before servicing.
- ⚠ WARNING** - All power cords should be inspected frequently. Any damaged power cords must be replaced immediately to reduce the risk of electric shock. Never operate the HydroRite PVCUV without a functional flow sensor or functional flow.
- ⚠ WARNING** - Installation requires a properly located GFI protected receptacle. Never use an extension cord for electrical connections to the HydroRite PVCUV.
- ⚠ WARNING** - Always mount the HydroRite PVCUV in a safe area not subject to damage by moving objects. Never bury power cords.
- ⚠ WARNING** - Any person using, adjusting, or monitoring the PVCUV must be at least 18 years of age and be familiar with these instructions and the contents of this manual.
- ⚠ CAUTION** - The HydroRite PVCUV should not be installed where it is accessible to the public.

SAVE THESE INSTRUCTIONS



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Foreword

Congratulations on your wise investment. The product you have selected from the Hayward® line should provide you with substantially reduced chemical maintenance, improved compliance with Health Department operating standards, chemical cost savings, and many years of reliable operation.

The HydroRite PVCUV is relatively simple to install, please take the time to read this entire manual, compare package contents with the parts list, and gather all tools required before beginning installation. Improper installation may void the warranty and create unnecessary hazards. Properly preparing for installation will also reduce facility down time.

For the purposes of this manual, it is presupposed that the installer is familiar with the physical characteristics of the pool or spa. As is the case when installing any filtration system component, all recirculating pumps, heaters, etc. need to be turned off prior to installation. If the filtration system is located below water level, additionally adjust all valves required to eliminate pressure from the system.

Physically, installation of the HydroRite PVCUV is no more challenging than installation of a chemical feeder. Any swimming pool contractor or maintenance engineer should have the tools and knowledge to perform the installation. Our technical support line can also be used to answer any questions pertaining to installation.

Congratulations on your purchase. Please complete and return your warranty registration card today.



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Introduction

Description

The HydroRite PVCUV system is a low pressure, high output amalgam, ultraviolet light sterilizer designed for commercial swimming pool applications. The system operates at light wavelengths of 254nm for sterilizing and 185nm for oxidizing. The HydroRite PVCUV is designed for commercial service and can be run 24 hours a day. The HydroRite PVCUV components are outlined below.

UV Light Chamber

The UV Light Chamber is made from highly polished 316L stainless steel lined PVC. Quartz sleeves separate the low pressure, high output amalgam germicidal lamps from the water. The water to be treated flows into the bottom of the chamber. Once in the chamber, the germicidal bulbs produce a minimum 3-log reduction in pathogens. The water is then returned to the source.

Power Supply

The power supply provides the current to start and maintain the germicidal lamps. A visual indication of bulb output is displayed on the face of the power supply and a counter is located in the power supply to display hours of operation.



General Specifications And Sizing Guidelines

This unit has demonstrated an ability to provide three log inactivation of *Enterococcus faecium* and *Pseudomonas aeruginosa*. This unit has not demonstrated an ability to provide three log kill or inactivation of *Cryptosporidium parvum*. This product is designed for supplementary disinfection and is intended for use with appropriate residual levels of EPA registered disinfecting chemicals. Specific residual levels of EPA registered disinfecting chemicals may be required by the regulatory agency having authority.



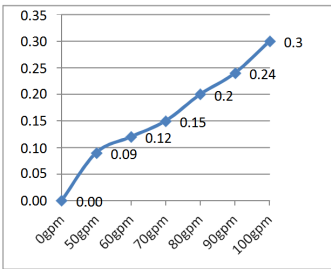
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Models

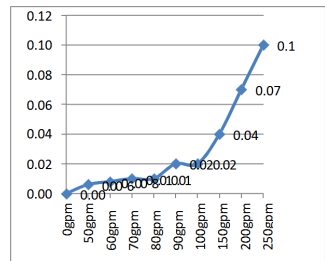
| Model # | Rated Pressure (psi) | Max Rated Flow (gpm) | Rated Power (KW) | Number of Bulbs | Volume of Chamber (Gallons) | Length and Diameter of Chamber | Weight |
|---------|----------------------|----------------------|------------------|-----------------|-----------------------------|--------------------------------|----------|
| HYR75 | 50 | up to 61 | 120 | 1 | 4.85 | 45.625"L x 6"D | 26.4 lbs |
| HYR150 | 50 | up to 150 | 240 | 2 | 8.6 | 47.375"L x 8"D | 26.4 lbs |
| HYR400 | 50 | up to 350 | 480 | 4 | 12.9 | 47.4"L x 10.75"D | 40.8 lbs |

Head Loss Data in ft of H₂O

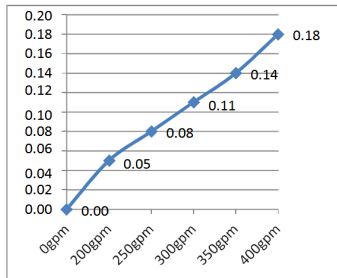
HYR75



HYR150



HYR400



Lamp Life

Lamp life is rated at 13,000 hours of operation.

Electrical Specifications

| Model # | Rated Voltage (AC) | Rated Amps |
|---------|--------------------|------------|
| HYR75 | 120 | 1.5 |
| HYR150 | 120 | 3 |
| HYR400 | 120 | 6 |



Sizing Guidelines

HydroRite PVCUV Sterilizers will effectively treat water up to the maximum rated flow for each size unit (END of lamp life). See flow calculator below. UV sizing must comply with local codes. Please contact your local health department for specific requirements or contact your local Hayward representative for assistance.

The chart and temperature compensation formula below are used to determine the maximum system flow rate for satisfactory system performance. Select the chart for your UV model and a flow rate from the chart based on the % Transmittance (%T) of the pool. If you are unsure of the %T, use 95%. The flow rate must then be compensated for temperatures less than 88°F. Determine the average pool temperature and use the formula below to determine the maximum flow rate.

avT = average pool temperature
 $((100 - (88^\circ - avT)) / 100) \times \text{GPM}$

Example for model HYR75, 95%T, and average pool temperature of 84°:
 $((100 - (88^\circ - 84^\circ)) / 100) \times 61 \text{ GPM}$
 $((100 - 4) / 100) \times 61$
 $(96 / 100) \times 61$
.96 x 61
58.56 GPM

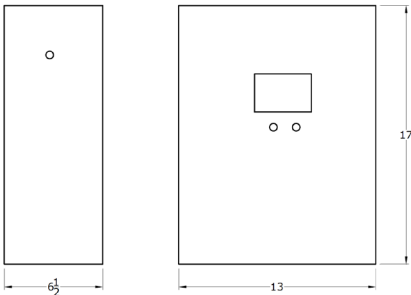
| HYR75 | |
|-------|-----|
| %T | GPM |
| 100 | 75 |
| 99 | 73 |
| 97 | 67 |
| 96 | 64 |
| 95 | 61 |
| 94 | 60 |
| 93 | 58 |
| 92 | 56 |
| 91 | 54 |
| 90 | 53 |
| 85 | 44 |
| 80 | 37 |
| 75 | 31 |

| HYR150 | |
|--------|-----|
| %T | GPM |
| 100 | 154 |
| 99 | 150 |
| 97 | 141 |
| 96 | 137 |
| 95 | 133 |
| 94 | 129 |
| 93 | 125 |
| 92 | 121 |
| 91 | 117 |
| 90 | 109 |
| 85 | 92 |
| 80 | 79 |
| 75 | 67 |

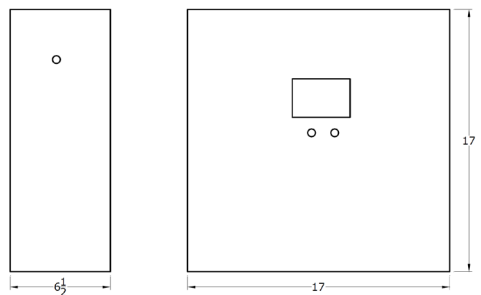
| HYR400 | |
|--------|-----|
| %T | GPM |
| 100 | 426 |
| 99 | 411 |
| 97 | 381 |
| 96 | 367 |
| 95 | 352 |
| 94 | 337 |
| 93 | 322 |
| 92 | 307 |
| 91 | 293 |
| 90 | 278 |
| 85 | 204 |
| 80 | 164 |
| 75 | 131 |

Dimensions

HYR75 & HYR150



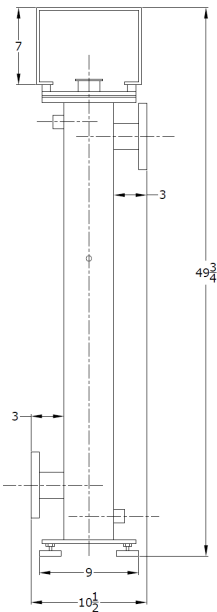
HYR400



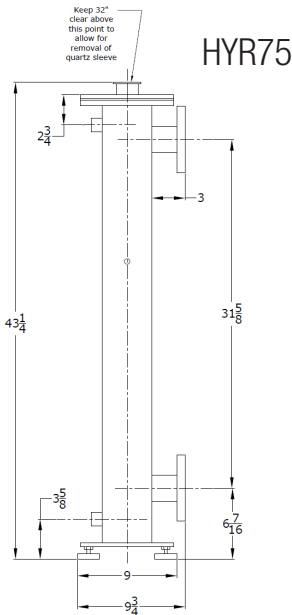


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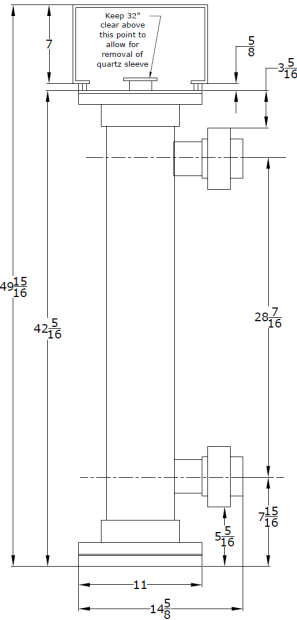
Flanges Opposed



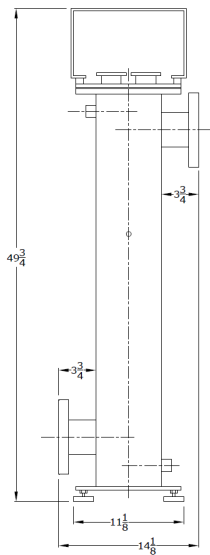
Flanges Same Side



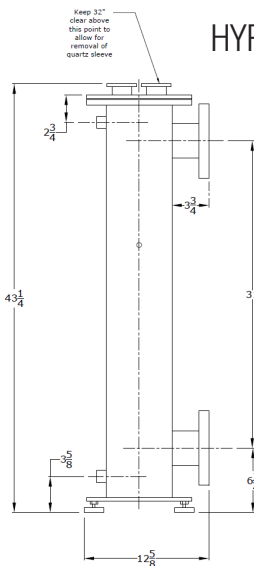
HYR75



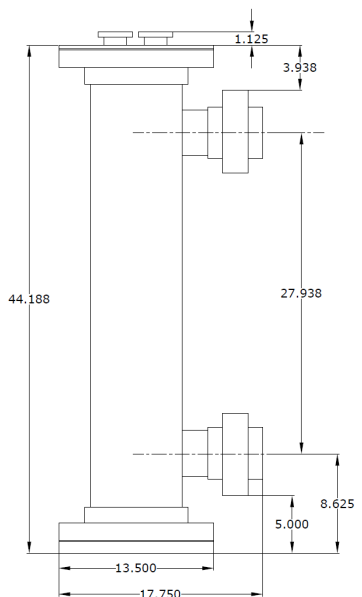
Flanges Opposed



Flanges Same Side

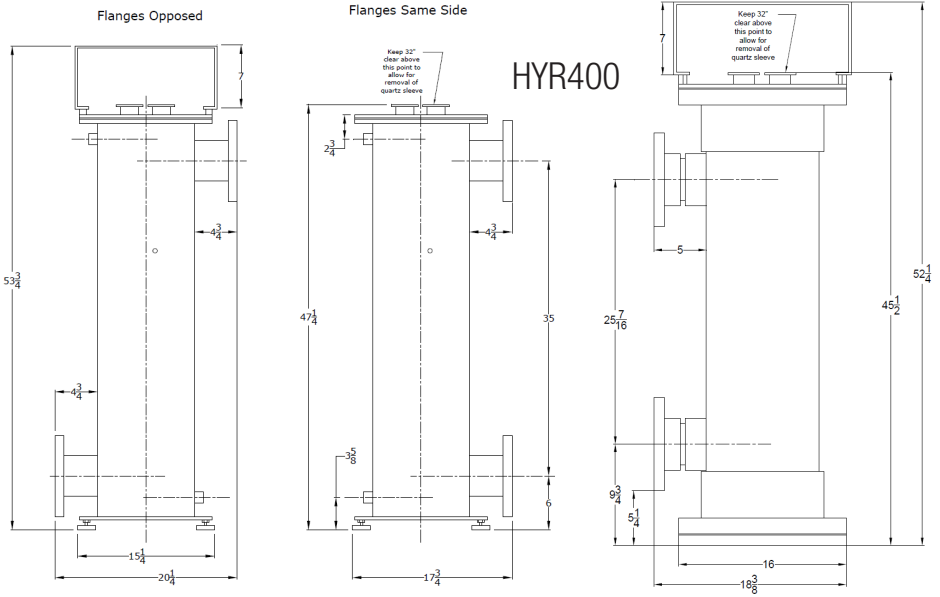


HYR150



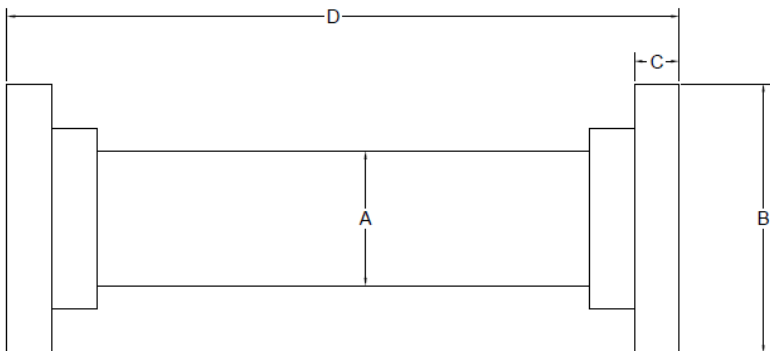


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Strainer Spool Dimensions (Flanged)

| Nominal Pipe Size | Pipe OD (A) | Flange OD (B) | Flange Thickness (C) | Overall length (D) |
|-------------------|-------------|---------------|----------------------|--------------------|
| 2 | 2 1/2 | 6 | 3/4 | 15 1/2 |
| 3 | 3 1/2 | 7 1/2 | 1 | 16 1/4 |
| 4 | 4 1/2 | 9 | 1 | 17 1/4 |
| 6 | 6 1/2 | 11 | 1 1/4 | 17 1/4 |
| 8 | 8 1/2 | 13 1/2 | 1 3/8 | 18 1/2 |
| 10 | 10 3/4 | 15 3/4 | 1 3/4 | 18 3/4 |

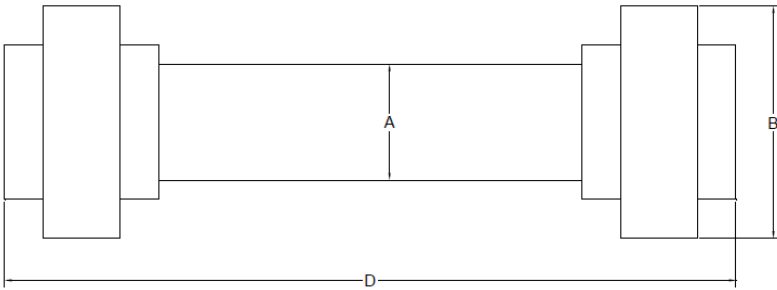




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Strainer Spool Dimensions (Union)

| Nominal Pipe Size | Pipe OD (A) | Union OD (B) | Overall length (D) |
|-------------------|-------------|--------------|--------------------|
| 2 | 2 1/2 | 5 1/4 | 20 1/2 |
| 3 | 3 1/2 | 7 1/8 | 21 3/4 |



Installation

When installing, operating, and maintaining this equipment, keep safety considerations foremost. Use proper tools, protective clothing, and eye protection when working on or installing the equipment. Follow the instructions in this manual and take any additional safety measures appropriate. Be extremely careful in the presence of hazardous substances. The personnel responsible for installation, operation, and maintenance of this equipment must be fully familiar with the contents of this manual. Any servicing of this equipment must be done with the unit fully off and disconnected from the power source and all pressure bled from the liquid lines.

Almost every pump room encountered is different. It is imperative to have prior knowledge of the facility in which the unit is to be installed and to evaluate what type of tools, wall anchors, etc. will be needed to make the installation as problem free as possible.

Power Supply Installation

⚠ WARNING - Never try to support the weight of the power supply using only drywall anchors. The power supply must have a stud for support!

⚠ CAUTION - The power supply may cause interference with sensitive electronics. Avoid installing the power supply and lamp lead wire near sensitive electronics.

Locate a space on the wall, in the pump room, that will accommodate the dimensions of the power supply. The power supply must mount within 5 feet of the UV chamber to ensure that the cables can easily reach the chamber and within 3 feet of a 120 volt, 15- amp wall outlet protected by a ground fault circuit interrupter. On a drywall installation, locate studs to hold the weight of the power supply. Use concrete anchors for installations into concrete walls. Install in an easy to access location. Some installations may require a mounting stand be fabricated based on chamber access.



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UV Chamber Installation

Place the UV Chamber on a level surface within 5 feet of the power supply. The chamber may be installed in a vertical or horizontal position. Ensure that the unit is accessible for service by allowing access to the chamber and three feet clearance above the safety cover to access lamps and sleeves. U shaped horizontal installations require that the water is plumbed going down into the inlet of the chamber and coming out in the up direction from the outlet of the chamber. Vertical installations require that the water is plumbed going into the inlet of the chamber (bottom) and out of the outlet of the chamber (top). Secure the chamber with suitable hardware.



Quartz Sleeve Installation

⚠ CAUTION - Lamps and quartz sleeves are made of glass and are extremely delicate. Take care when handling or replacing these components. Wear cotton gloves when handling lamps. Hold lamps by the ends only. Never touch the glass with bare hands. Wipe any fingerprints from lamps with alcohol.

⚠ WARNING - Quartz sleeves are shipped with small rubber stops inside the bottom of the sleeve. This rubber stop must remain in place to prevent damage from lamp installation.

Place a gasket on the quartz sleeve quick disconnect flange. Carefully lower the quartz sleeve assembly into the chamber. Quartz sleeves must be carefully lined up with the spring or damage to the sleeve may occur. When the quartz sleeve is properly located in the spring assembly the quick disconnect quartz sleeve assembly will rest about $\frac{1}{4}$ " to $\frac{1}{2}$ " above the 2" gasket. Gently press the quick disconnect quartz sleeve assembly into place and install the quick disconnect clamp to secure the sleeve in place.

Lamp Installation

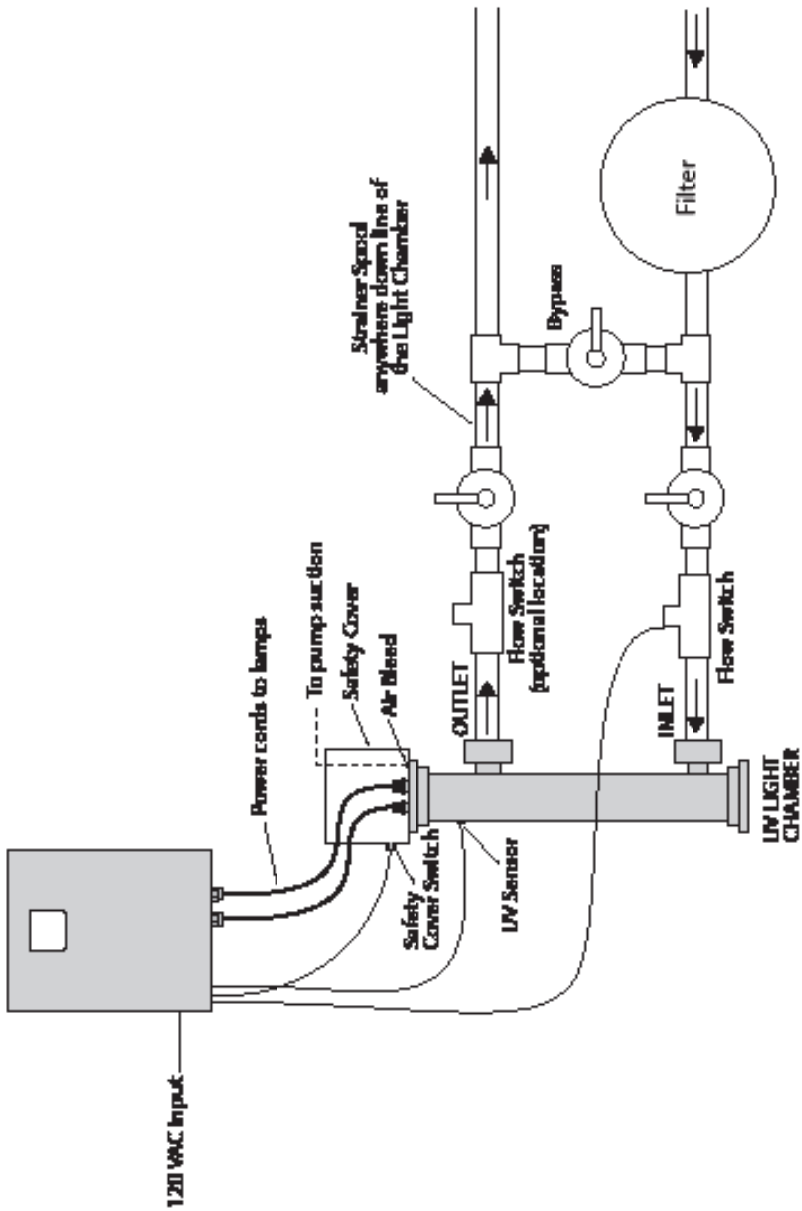
⚠ CAUTION - The wiring connector for the lamp must be installed on the lamp before the lamp is lowered into the quartz sleeve or damage to the lamp or quartz sleeve may occur.

Place the connector onto the lamp and lower the lamp all the way to the bottom of the quartz sleeve. Screw the viewing cap onto the quick disconnect quartz sleeve assembly. Push the lamp lead wire through the viewing cap until the lamp is against the rubber cushion at the bottom of the quartz sleeve and tighten the liquid tight gland.

The entire water volume of the circulation system should pass through the UV chamber. Plumb the inlet of the UV chamber as close to the outlet of the pool filter as possible. Plumb a bypass around the UV chamber to facilitate service. Use valves to isolate the chamber from the circulation system. Refer to the diagram on the following page.



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Plumbing The Strainer

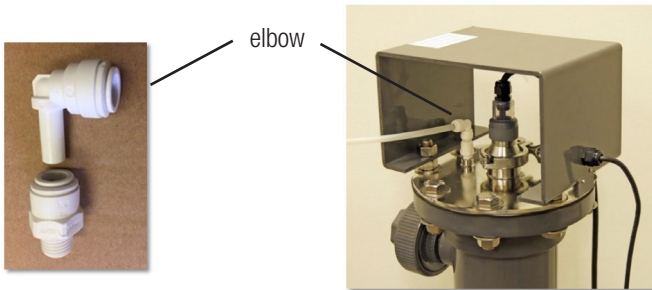
The strainer is installed on outlet side of the UV chamber plumbing. The strainer can be installed anywhere in the return line plumbing that is downstream of the UV chamber outlet.

Plumbing The Flow Switch

Tap the ½ inch NPT flow switch into the Chamber inlet or outlet. The flow switch must be installed within the isolation valves. Connect the flow switch wire to the connection on the side of the power supply marked Flow.

Plumbing The Air Bleed On Vertical Mount Chambers

1. Insert 3/8" elbow into the 3/8" female adapter (shown below) on top of the UV chamber.



2. Tap 3/8" NPT valve into the pump suction plumbing.
3. Connect the two points with 3/8" tubing.
4. Turn on the pool pump then open the 3/8" valve.

3/8" NPT
Valve



System Wiring

All systems must be wired so that when the pool circulation pump is off, the power to the HydroRite PVCUV is off with the exception of spray pads that may have bypass flow through the chamber when the main pumps are off.

120-VOLT SYSTEMS: These units are cord connected at the factory with two standard plugs for a 15-amp wall outlet. Connect both power cords to a 120V electrical outlet protected by a ground fault circuit interrupter.

Bonding

Bonding is required and is accomplished by connecting a minimum 8 AWG bonding wire from the bonding grid in the equipment room to the UV system power supply and the UV system chamber. The bonding lugs on the power supply and chamber are clearly marked with a decal that reads "Bonding Lugs".

Safety Cover Wiring

Place the safety cover on top of the UV chamber and attach with the supplied nuts. Be sure the micro-switch is depressed when the cover is installed. Route the safety cover wire through the open liquid tight gland at the bottom of the power supply.



UV Sensor Installation

Install the UV sensor o-ring, quartz window, and UV sensor into the sensor boss. Hand tighten the UV sensor nut.

Operation

Start-Up Procedures

Open the chamber isolation valves and close any bypass valves. Allow the chamber to fill with water. Turn the system on with the switch located on the power supply.

Operate the system for 10 minutes to allow the lamps to warm up to full power. After 10 minutes the UV monitor will read 60mj/cm² and the green led will be illuminated.

Uv Meter Operation

The UV meter displays the UV dose in mj/cm². An adequate dose is 40mj/cm² to 60mj/cm². When the display is initially powered on, a mj dose will appear with both the green and yellow LED off. After 10 minutes of operation the display will show 60mj/cm² and the green LED will be illuminated. The display will automatically calibrate with no input required. When the UV dose falls to 39mj/cm² the green LED will go out and the yellow LED will illuminate. This indicates the need for quartz sleeve and sensor window service or lamp replacement. If the yellow LED is ignored and dose drops to 30mj/cm², the yellow LED will begin to flash. This indicates that service is critical.

Maintenance

Daily Check

Check the UV meter and LED lights on the power supply daily. Under normal operating conditions, the UV meter will indicate a value over 40mJ/cm² and the green LED will be illuminated. If the UV meter falls below 40mJ/cm², the green LED will go out and the yellow LED will illuminate. A meter display of less than 40mJ/cm² with a yellow LED is an indication that maintenance or repairs are needed. The most common cause is dirty quartz sleeves and sensor window.

| Month | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | 51 | 54 | 57 | 60 | |
|---------------------------------------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| Wipe Down UV Chamber | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Address Leaks | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Clean Sleeves* | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Clean Sensor Window* | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Inspect Electrical Connections | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |
| Order Replacement Lamps** | | | | X | | | | X | | | | X | | | | X | | | | | X |
| Replace Lamps | | | | | X | | | | | X | | | | | X | | | | | | X |
| Order Replacement Sleeves** | | | | | | | | | X | | | | | X | | | | | | | X |
| Replace Sleeves | | | | | | | | | | X | | | | | X | | | | | | X |
| Confirm AC AMP Draw*** | | X | | X | | X | | X | | X | | X | | X | | X | | X | | X | |

*Indicates as needed, may be required more often

**See Replacement Parts

***See Electrical Specifications or contact technical support



1. Record Dose Displayed on Screen

The system displays dose on screen. An adequate dose is 40mj/cm² to 60mj/cm². When the UV dose falls to 39mj/cm² the green LED will go out and the yellow LED will illuminate. This indicates the need for quartz sleeve and sensor window service or lamp replacement. If the yellow LED is ignored and dose drops to 30mj/cm², the yellow LED will begin to flash. This indicates that service is critical. If no display is present, please contact technical support.

2. Wipe Down the UV Chamber

The chamber should be wiped down to prevent premature or unnecessary component failure or degradation. Using a lint free cloth and a mild soap solution, wipe the chamber down from top to bottom. This will also assist the operator with any leak identification addressed in the next maintenance item.

3. Identify and Address Any Leaks

The UV chamber has threaded and gasketed connections that should be inspected. A dressing leaks immediately will avoid unnecessary damage and is an essential part of proactive maintenance.

If a leak is observed, the connection is leaking and should be addressed by isolating the machine, draining the chamber as needed, and cleaning the impacted area. Fresh thread tape or a replacement gasket should be applied, and the fitting re-secured. If a cracked or faulty component is the cause of the leak, reference Replacement Parts and contact technical support for assistance.

4. Clean the Sleeves

Overtime, mineral deposits will coat the UV sleeve and prevent UV light from effectively penetrating through this build up. Sleeves should be cleaned quarterly or as dose on screen drops.

5. Clean the Sensor

The UV sensor monitors light intensity within the chamber. Deposits can coat the quartz window and prevent accurate readings.

6. Inspect Electrical Connections

With all incoming power disconnected, inspect all electrical connections for any discoloration or damage. Check the tightness of all screw connections. Ensure all wire nut connections are tight.

7. Order Replacement Lamps

UV lamps have a useful life of 13,000 hours of operation. They should be proactively replaced every 1.5 years. Reference Replacement Parts and contact an authorized Hayward dealer with the unit serial number to place order.

8. Replace UV Lamps

Guidance on proper methods of handling broken fluorescent lamps or disposal is available from the US EPA and from many state agencies and local health and environmental authorities.

9. Order Replacement Sleeves

UV Sleeves can become etched with mineral deposits and will be required to replace once they no longer become clean following service. Reference Replacement Parts and contact an authorized Hayward dealer with the unit serial number to place order.



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10. Replace Sleeves

11. Confirm Incoming AC AMPS

Using a voltmeter set to AC AMPS, clamp meter around wire in the upper left corner of power supply. Rated AMPS draw listed under Electrical Specifications for the specific model. If expected AMPS are not displayed, contact technical support for instruction.

Manually Cleaning Quartz Sleeve and UV Sensor Window (Non-NSF Models)

⚠ CAUTION - Lamps and quartz sleeves are made of glass and are extremely delicate. Take care when handling or replacing these components. Wear cotton gloves when handling lamps. Hold lamps by the ends only. Never touch the glass with bare hands. Wipe any fingerprints from lamps with alcohol.

QUARTZ SLEEVES ARE SHIPPED WITH SMALL RUBBER STOPS AT THE BOTTOM OF THE SLEEVE. THIS RUBBER STOP MUST REMAIN IN PLACE TO PREVENT DAMAGE FROM LAMP INSTALLATION.

Unplug the unit from the power source to prevent the risk of electric shock or system damage. Allow the system to cool for ten minutes. Isolate the chamber from the pool circulation system by opening the bypass valve and closing the chamber inlet and outlet valves. Remove the safety cover. Drain the chamber. Loosen the liquid tight gland and unscrew the viewing cap. Lift the lamp out of the quartz sleeve without disconnecting from the wiring harness. Once the lamp is free of the quartz sleeve it can be safely disconnected from the wiring harness. Remove the quick disconnect clamp and remove the sleeve from the chamber.

NOTE: If the power supply is within 5 feet of the UV chamber, the quartz sleeve may be removed without disconnecting or removing the lamp.

Clean the quartz sleeve by wiping with a clean cotton cloth and a standard glass cleaner.

Check the gasket on the quartz sleeve quick disconnect flange. Carefully lower the quartz sleeve assembly into the chamber. Gently press the quartz sleeve into place and install the quick disconnect clamp to secure the sleeve in place. Replace the safety cover, ensuring the micro-switch is depressed when installed. Hand tighten the four nuts.

Remove the UV sensor from the chamber and carefully remove the quartz window. Clean the quartz window by wiping with a clean cotton cloth and standard glass cleaner. Reinstall the window and sensor. On models without the quartz window, clean the quartz on the face of the monitor.

Lamp Replacement

Lamps are designed to provide a useful service life of 13,000 hours. After that time, the lamps will need replacing.

⚠ CAUTION - Lamps and quartz sleeves are made of glass and are extremely delicate. Care should be taken when handling or replacing these components. Wear cotton gloves when handling lamps. Hold lamps by the ends only. Never touch the glass with bare hands. Wipe any fingerprints from lamps with alcohol.



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Unplug the unit from the power source to prevent the risk of electric shock or system damage. Allow the system to cool for ten minutes. Isolate the chamber from the pool circulation system by opening the bypass valve and closing the chamber inlet and outlet valves. Remove the safety cover. Loosen the liquid tight gland and unscrew the viewing cap. Lift the lamp out of the quartz sleeve without disconnecting from the wiring harness. Once the lamp is free of the quartz sleeve it can be safely disconnected from the wiring harness.

⚠ CAUTION - the wiring connector for the lamp must be installed on the lamp before the lamp is lowered into the quartz sleeve or damage to the lamp and sleeve may occur.

Place the connector onto the lamp and lower the lamp all the way to the bottom of the quartz sleeve. Screw the viewing cap onto the quick disconnect quartz sleeve assembly and tighten the liquid tight gland. Replace the safety cover, ensuring the micro-switch is depressed when installed. Hand tighten the four nuts.

Recommended Broken Lamp Handling Practices

Guidance on proper methods of handling broken fluorescent lamps is available from the US EPA and from many state agencies and local health and environmental authorities. The EPA guidelines can be found at <http://www.epa.gov/mercury/spills/index.htm>.

Winterization

The HydroRite PVCUV system is designed to operate in temperatures above freezing to 104F. To winterize the HydroRite PVCUV chamber, drain the water by removing the drain plug or anode at the base of the chamber.

NOTE: Operating below calculated operational temperatures will impact the dose. Refer to General Specifications and Sizing Guidelines.



Troubleshooting

| Scenario | Possible Cause | Suggested Action |
|--|-------------------------------------|---|
| HydroRite PVCUV Power Supply Showing No Display | Confirm 120V power | Confirm both cords are plugged into a live 120V outlet. |
| | Toggle switch ON | Confirm the toggle switch on the left side of the UV power supply is in the UP position. |
| | Check the safety cover switch | Check that the UV safety cover micro switch is depressed and plugged into the correct port on the side of the power supply. |
| | | Unplug the safety cover switch and check for continuity. |
| | Check the flow switch | Check the UV flow switch is installed in the correct flow pattern and plugged into the side of the power supply. |
| | | Confirm the UV chamber and flow switch plumbing are not in bypass. |
| Unplug the flow switch from the power supply and check for continuity. | | |
| HydroRite PVCUV Power Supply Showing 00 or Low Dose | Dirty sleeves and sensor window | Clean the quartz sleeves and the UV monitor head. |
| | Aged lamp or lamp out | Replace lamps that are older than 12 months |
| | | Confirm system amp draw to ensure lamps and ballasts are operational. |
| | Bad ballast within the power supply | Test ACV across each ballast. |
| | Low water temperature | Refer sizing guidelines (page 5). |
| Low water transmittance | Correct chemistry or replace water. | |
| Blown Fuse | Bad ballast within the power supply | Gather fuses per ballasts and contact technical support. Refer to electrical specifications. |



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Replacement Parts



FSKHARWIL2MSCNOT



LA120W185SP



KITPSLW8.25LGSP



FSKHARWIL2MSC



WH7-120-H



S-MCLD



QDCQSSTDA



KITUVLSPVC

| Part # | Description | Carton Qty | Weight |
|----------------|--|------------|--------|
| HYXUVDSPCK | Replacement UV Display | 1 | 2 |
| HYXUVBALCK | Replacement UV Ballast | 1 | 5 |
| HYXUVQTZCK | Replacement UV Quartz Sleeve Kit - Complete | 1 | 4 |
| HYXUVLAPCK | Replacement UV Lamp | 1 | 3 |
| HYXUVSECK | Replacement UV Sensor Kit - Complete | 1 | 2 |
| HYXUVEXTCK | Replacement UV Lead Wire | 1 | 2 |
| HYXUVFL240CK | Replacement UV Flow Switch for Model 240PVC/480PVC | 1 | 2 |
| HYXAIRBLEEDKIT | Air Bleed Kit | 1 | |
| HYXCONTACT | Contact | 1 | |
| HYXSACZKNT | Kit Sacrificial Zinc Anode 3/8" PVC, Check annually, up to 5 yrs | 1 | |
| HYXUVEXTCBL12 | Power Supply UV Lamp Lead Wire 12' | 1 | |
| HYXCHAMB75 | 120PVC CR Chamber | 1 | |
| HYXCHAMB150 | 240PVC CR Chamber | 1 | |
| HYXCHAMB400 | 480PVC CR Chamber | 1 | |



HAYWARD®

HAYWARD® Pool Products Limited Warranty

To original purchasers of this equipment, Hayward Industries, Inc. warrants its HydroRite PVCUV to be free from defects in materials and workmanship for a period of Three (3) years from the date of purchase with the following exception. The UV lamps, UV sensor, Quartz sleeves and stainless steel sleeve carry a One (1) year warranty from the date of purchase.

| Part | Warranty Period | Coverage |
|------------------------|-----------------|------------|
| Controller | 1 Years | Parts only |
| Vessel | 1 years | Parts only |
| UV Lamp | 6 Months | Parts only |
| UV Sensor | 1 Year | Parts only |
| Quartz Sleeve | 6 Months | Parts only |
| Stainless Steel Sleeve | 6 Months | Parts only |

The limited warranty excludes damage from freezing, negligence, improper installation, improper use or care or any Acts of God. Parts that fail or become defective during the warranty period shall be repaired or replaced, at our option, within 90 days of the receipt of defective product, barring unforeseen delays, without charge.

Proof of purchase is required for warranty service. In the event proof of purchase is not available, the manufacturing date of the product will be the sole determination of the purchase date.

To obtain warranty service, please contact the place of purchase or the nearest Hayward Authorized Service Center. For assistance on your nearest Hayward Authorized Service Center please visit us at www.haywardpool.com.

Hayward shall not be responsible for cartage, removal, repair or installation labor or any other such costs incurred in obtaining warranty replacements or repair.

The Hayward Pool products warranty does not apply to components manufactured by others. For such products, the warranty established by the respective manufacturer will apply.

The express limited warranty above constitutes the entire warranty of Hayward Pool Products with respect to its pool products and is in lieu of all other warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose. In no event shall Hayward Pool products be responsible for any consequential, special or incidental damages of any nature.

Some states do not allow a limitation on how long an implied warranty lasts, or the exclusion of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

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*Supersedes all previous publications.

For further information or consumer
technical support, visit our website at
www.hayward.com



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