



SANITIZATION MADE EASY.

Powerful solution that delivers a better swimming experience.

With our sanitization solutions, commercial pools and spas benefit from the clearest, safest water possible. Our HydroRite UV ultraviolet secondary disinfection system is the only low-pressure UV system NSF-certified to kill *Cryptosporidium* and other chlorine-resistant microorganisms, while reducing skin-irritating chloramines. Plus, you can pair our salt chlorinators and secondary disinfection systems with CAT Controllers® for a completely automated sanitization solution.



SAFER, SOFTER WATER

Combines Dual-Wavelength UV (185nm and 254nm) to produce advanced oxidants to inactivate chlorine resistant microorganisms while reducing skin irritating chloramines by up to 50%.



COST-SAVING DESIGN

With durable, low-pressure lamps and a 120V power input, it conserves energy while maintaining chlorine efficiency. Lowers costs and extends salt cell life by minimizing chlorine use.



SIMPLE TO INSTALL & OPERATE

Compact, lightweight, single-vessel design allows for easy in-line vertical or horizontal installation, and its robust yet simple user interface is easy to understand at a glance.



TECHNICAL SPECIFICATIONS

PART NUMBER	HYR75	HYR150	HYR400
Sanitization	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	17" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40°F to 104°F	40°F to 104°F	40°F to 104°F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 61 GPM	Up to 150 GPM	Up to 350 GPM
Installation Environment	Indoor/outdoor use	Indoor/outdoor use	Indoor/outdoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months



TECHNICAL SPECIFICATIONS

PART NUMBER	HYR75L4	HYR150L4	HYR400L4
Sanitization	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	21" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Operating Temp. Rating	40°F to 104°F	40°F to 104°F	40°F to 104°F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	Up to 58 GPM	Up to 126 GPM	Up to 333 GPM
Installation Environment	Indoor use	Indoor use	Indoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months
Display	Touch menu driven with m ² or mW/cm ² UV intensity	Touch menu driven with m ² or mW/cm ² UV intensity	Touch menu driven with m ² or mW/cm ² 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

ELIMINATE PATHOGENS FOR PEACE OF MIND.

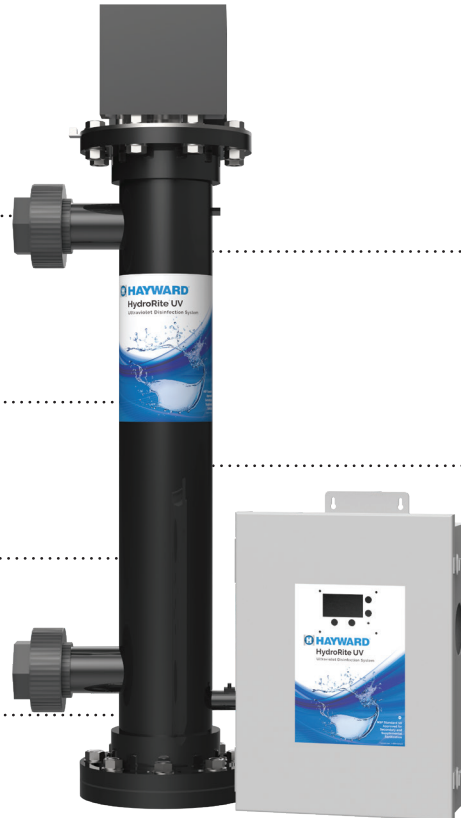
Utilizes Dual-Wavelength UV (185nm & 254nm) to produce Hydroxyl Radicals to create triple-acting disinfection power that inactivates waterborne pathogens—including ones resistant to traditional chlorine. The U.S. Centers for Disease Control (CDC) recommends UV for supplemental and secondary disinfection in every commercial pool, and there's no better choice than the all-in-one protection of HydroRite UV when it comes to the safety of your guests.

Kills *Cryptosporidium** using dual-wavelength UV (185/254 nm) to produce hydroxyl radicals

Supplemental and/or secondary disinfection, as recommended by the CDC Model Aquatic Health Code (MAHC)

Reduces irritating chloramines significantly, improving indoor air quality and swimmer comfort

Low-pressure UV bulbs provide sterilization and oxidation with little or no impact on chlorine level

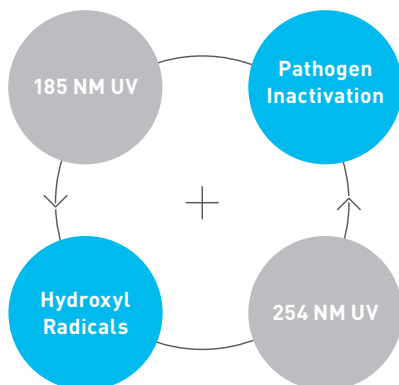


Simple plug-and-play design is easy to navigate and conserves energy with 120V power input

Lightweight construction uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance

Extended lamp life rated for 13,000 hours, more than double the time for comparable medium-pressure systems

INSIDE THE VESSEL



Dual-wavelength amalgam lamps produce germicidal UV.

The treated water is exposed to **ultraviolet rays** that inactivate algae, bacteria and viruses.

The germicidal UV creates hydroxyl free radicals (which have more oxidation potential than ozone) in a process known as **Advanced Oxidation Process (AOP)**.

*HydroRite UV Secondary Disinfection Systems are certified to achieve a minimum inactivation equivalent of 3 log *Cryptosporidium Parvum* in accordance with NSF 50 and the US EPA UV DGM.

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