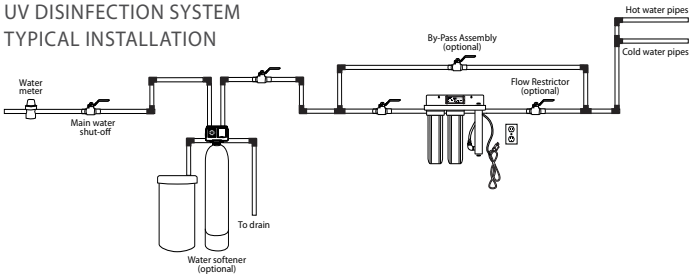
UVA-418-S22

Commercial High Output Ultraviolet Sterilization Systems

Polaris Scientific UVA-418-S22 System offers an economical and chemical-free way to safeguard drinking water in residential and light commercial applications. The Polaris Scientific UVA-418-S22 System can be used in applications for flow rates up to 18 gpm (70 lpm) and is perfect for taste, odor, turbidity and chlorine reduction while combining High Output ultraviolet light sterilization to protect against bacteria.

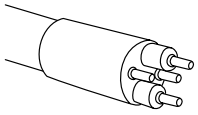
UV DISINFECTION SYSTEM
TYPICAL INSTALLATION



Note: UV system should be the final piece of treatment equipment before the facuet.

POLARIS SCIENTIFIC UV™
Water Disinfection System Features

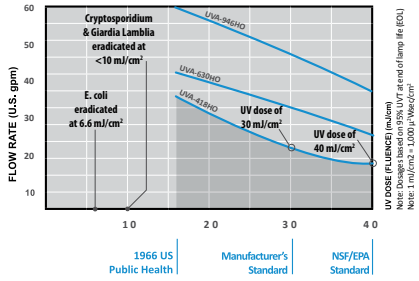
- Premium Prefiltration: System Includes two (2) 4.5" x 20" filter housing with one (1) 20-micron sediment filter and one (1) 10 Micron Carbon Block filter for taste/odor/chlorine removal.
- Reliable: High-performance, High Output UV lamp, provides exceptional sterilization for bacterial protection and offers consistent output over the entire lamp life (9000 hours)
- Space Efficient: High UV output lamp technology allows for a smaller stainless-steel chamber while maintaining the same UV dose as longer chamber systems.
- Convenient: System is preassembled and ready to install as soon as you take it out of the box. It is mounted on a heavy-duty, painted steel bracket for a simple installation and requires just a few final installation steps.
- Ease of Maintenance: Audible lamp replacement reminder and countdown timer with digital display. Indicator lights show the status of system components. Warning lights appear when system maintenance is required.
- Application: Perfect for a wide range of whole house point-of-entry water treatment solutions in homes, townhomes, cottages and many light commercial applications.



**United States Patent: D751506,
Taiwan Patent: M 503904,
China Patent: ZL 2015 2 0160464.9,
Mexico Patent: 49882**

UVA-418-S22 SPECIFICATIONS		
FLOW RATE	Flow Rate @ 95% UVT U.S. Public Health (16 MJ/CM^2)	34 gpm (130 lpm) (7.7 m^3/hr)
	Flow Rate @ 95% UVT POLARIS STANDARD (30 MJ/CM^2)	18 gpm (70 lpm) (4.2 m^3/hr)
	Flow Rate @ 95% UVT NSF/EPA (40 MJ/CM^2)	14 gpm (54 lpm) (3.3 m^3/hr)
PRODUCT SPECS	Chamber Material of Construction	Stainless Steel 304
	Chamber Dimensions	23.23" x 3.5" (59*8.89 cm)
	HOB-4890 / Ballast Dimensions	8" x 2.9" x 2.04" (20.4*7.4*5.2 cm)
	System Dimensions	25 1/5" x 12" x 28" (64*30*70 cm)
	Inlet/Outlet Port Size	3/4", 1" FNPT / MNPT
	System Shipping Weight	35 lbs (15.9 kgs)
ELECTRICAL OUTPUT	Voltage at 50/60Hz	110V / 220V
	Maximum Current	1.03 A @ 110V / 0.47A @ 240V
	Power Consumption	60 W
	Lamp Watts	48 W
	Wavelength	254 nm
OPERATIONAL SPECS	Rated Life	365 days (9,000 hrs)
	Maximum Operating Pressure	125 PSI
	Minimum Operating Pressure	15 PSI
	Working Temperature	36 ° - 104 °F (2 ° - 48 °C)
FEATURES	High Output Lamp	Polaris UV Scientific™ - Patented
	Number of Lamps	1
	Counter / Timer	✓
	Visual Warning - "Power-On" LED	✓
	Audible Lamp Failure Alarm	✓
	Lamp Replacement Alarm	✓
REPLACEMENT PARTS	Germicidal UV Lamp	GLHO48PP
	Electronic Ballast Controller	HOB-4890
	Quartz Sleeve	QS48HO
	Aluminum Nuts	UV-NUT-1 / UV-NUT-2
	Plastic Plug for Nuts	UV-PLUG
	Stainless Steel Spring	UV-32 SPRING
	Seal for Sleeve and Nut	UV-SEAL
	Washer for Sleeve and Nut	UV-WASHER
	Aluminum Chamber Clip	CLP-35UV
	Housings	HF45-20BKBK34PR
	O-rings	HF45-ORING
	20M Sediment Cartridge	SDC-45-2020
	10M Carbon Block Cartridge	CB-45-2010

UVA-418HO
FLOW RATE



WATER QUALITY PARAMETERS

Hardness	< 7 grains (120 mg/L)
Iron	< 0.3 mg/L
Tannins	< 0.1 mg/L

H2O GUARD™
SAFE AND CLEAN WATER SOLUTIONS

H2O INTERNATIONAL USA
3001 SW 15th Street, Suite C, Deerfield Beach, 33442

Product Ratings

UL CE RoHS COMPLIANT

Warranty Information

- *Limited 5-year warranty on stainless steel housing*
- *Limited 1-year warranty on electronics*