

# Unleash the POWER of Ultraviolet



## **UVA-418-S22** **ALL IN ONE WATER** **DISINFECTION SYSTEM**

- ◆ Economical & Chemical-FREE way to safe-guard your drinking water
- ◆ Ideal for flow rates up to 18 gpm!
- ◆ Perfect for taste, odor, turbidity and chlorine reduction
- ◆ Pre-assembled & ready to install
- ◆ Digital display controller with automatic reminders and status updates

**POLARIS**  
SCIENTIFIC | UV

## How it works

Aquatek UVA-418-S22 water disinfection system offers an economical and chemical-free way to ensure potability and safeguard your drinking water in most residential and light commercial applications. Perfect for applications up to 18 gpm and with the 3 stages of treatment addresses taste and quality, odor, turbidity, chlorine reduction and utilizing the power of Polaris UV technology to sterilize and protect against harmful bacteria and viruses.

## FEATURES

- ◆ Prefiltration begins with two (2) AQUATEK AT802 20" Housings, one containing a 20-micron sediment filter cartridge and the other a 10-micron Carbon Block filter for clean taste, odor reduction and chlorine removal
- ◆ Polaris' High-performance, High Output UV lamp, provides exception sterilization & disinfection to guard against bacteria & viruses.
- ◆ Entire system comes reassembled and ready to install right out of the box
- ◆ Digital display with status updates, automatic warnings for maintenance and lamp replacement timer/audible alerts.



## SYSTEM SPECIFICATIONS:

FLOW RATE	Flow Rate @ 95% UVT U.S. Public Health (16 MJ/CM <sup>2</sup> )	34 gpm (130 lpm)
	Flow Rate @ 95% UVT POLARIS STANDARD (30 MJ/CM <sup>2</sup> )	18 gpm (70 lpm) (4.2 m <sup>3</sup> /hr)
	Flow Rate @ 95% UVT NSF/EPA (40 MJ/CM <sup>2</sup> )	14 gpm (54 lpm) (3.3 m <sup>3</sup> /hr)
PRODUCT SPECS	Chamber Material of Construction	Stainless Steel 304
	System Dimensions	25 1/5" x 12" x 28" (64 cm*30 cm*70 cm)
	HOB-4890 / Ballast Dimensions	8" x 2.9" x 2.04" (20.4*7.4*5.2 cm)
	Inlet/Outlet Port Size	3/4" FNPT / 1" MNPT
	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	48 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)
	High Output Lamp	Polaris UV Scientific™ - Patented
FEATURES	Number of Lamps	1
	Counter / Timer	✓
	Visual Warning - "Power-On" LED	✓
	Audible Lamp Failure Alarm	✓
	Lamp Replacement Alarm	✓

## FLOW RATE CHART

