

Ensuring the **Safety** of your **Water** with **Confidence**

Aqualight[®] WPS ULTRAVIOLET PURIFICATION SYSTEM

Ultraviolet (UV-C rays /253.7 nm) water disinfection system is a unique and rapid method of water disinfection without the use of heat or chemicals to effectively destroys bacteria, virus, mold & algae. Ultraviolet (UV) light treatment is a widely recognized and proven method of disinfection of water and has several advantages over other disinfection methods such as chlorination, ozonation, etc . UV light does not add anything to the water, such as undesirable color, odor, taste or flavor, nor does it generate harmful byproducts. It adds only energy in the form of ultraviolet radiation. Also, UV disinfection requires only a fraction of the contact times required by other disinfection methods. It is fast, efficient, effective, economical and environmentally-friendly.

The quality of drinking water can change with time and become contaminated with harmful bacteria. The Aqualight™ WPS series Integrated Home System is a reliable, economical and chemical-free way to safeguard drinking water in any residential application. The Aqualight™ WPS series systems has been designed and tested to ensure quality drinking water is at everyone's finger tips.

Advantages: Effective Economical Safe Fast & Easy Automatic Chemical Free
Applications: Drinking Water Food Processing Medical Industries



Aqua Lightech Limited
www.aqualightech.com

Residential Commercial Application

Model	WPS11-10G	WPS22-13G	WPS22-20G
Flow Rate@30mJ/cm ²	10gpm (38lpm, 2.3m ³ /hr.)	13gpm (50lpm, 3.0m ³ /hr.)	20gpm (75lpm, 4.5m ³ /hr.)
Flow Rate@40mJ/cm ²	7gpm (27lpm, 1.6m ³ /hr.)	10gpm (38lpm, 2.3m ³ /hr.)	14gpm (53lpm, 3.2m ³ /hr.)
Inlet/Outlet	1" MNPT (MBSP)		
Dimensions	59 x 20 x 46cm (23.2"x7.9"x18.1")	59 x 20 x 72cm (23.2"x7.9"x28.4")	59 x 20 x 72cm (23.2"x7.9"x28.4")
Filter Housings	4.5"x10", Part# PH4510	4.5"x20", Part# PH4520	4.5"x20", Part# PH4520
Filter Cartridges	Melt Blown Filter or Pleated Filter or Carbon Block		
Lamp#/Watts	GHO310T5L/4-LT, 35W	GHO422T5L/4-LT, 40W	GHO512T5L/4-LT, 50W
Power Consumption	42W	48W	59W
Quartz Sleeve Part#	QS340	QS452	QS542
IC Controller	Part#BAP100365, 100-250V./50-60Hz.		
Monitored	WPS11-10GMS	WPS22-13GMS	WPS22-20GMS
IC Controller	Part#BAP100365MS, 100-250V./50-60Hz.		
254NM UV Sensor	GDS254NM15-V		
4-20mA Output	YES (optional)		

★ Flow Rate Stated at 95% UVT of EOL (End of Lamp Life)

Control

- + Lamp Operating LED
- + Audible Lamp Failure
- + UV Relative Intensity in %
- + Low UV Alarm
- + 2-Stage Lamp Power
- + 4-20mA Output (optional, #YRJ45-420)
- + Lamp Life 365 Days Countdown
- + Countdown Resettable
- + Total Running Days
- + Lamp Replacement Reminder
- + Deferred Alarm (4 times max.)
- + Dry Contacts

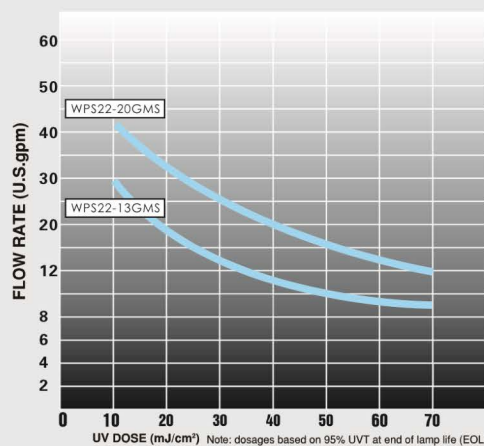


Operating Parameters

- + Max. operating pressure 125psi (8.62 bar)
- + Ambient water temperature 2-40°C (36-104°F)
- + Iron < 0.3ppm (0.3 mg/L)
- + Hardness < 7gpg (120mg/L)
- + Turbidity < 1 NTU
- + UV Transmittance > 75%

General

- + 4-Log (99.99%) Reduction in Bacteria, Viruses and Protozoan Cysts
- + Horizontal Installation



Typical Installation



Warranty Aqualight™ ultraviolet disinfection systems carry a TWO year warranty on the stainless steel reactor chamber, a one year warranty on UV lamp, quartz sleeve and other components.