

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

Aqualight® PUS

ULTRAVIOLET DISINFECTION 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.

Advantages: Effective Economical Safe Fast & Easy Automatic Chemical Free

Applications: Drinking Water Food Processing Medical Industries



Aqua Lighttech Limited
www.aqualighttech.com

Residential Commercial Application

Aqualight®

LAMP MADE IN **USA**

Model	PUS-6	PUS-9	PUS-13	PUS-24	PUS-35	PUS-50
Flow Rate@30mJ/cm2	6gpm(23lpm, 1.5m3/hr)	9gpm(34lpm, 2m3/hr)	13gpm(49lpm, 3m3/hr)	24gpm(91lpm, 5.5m3/hr)	35gpm(132lpm, 8m3/hr)	50gpm(190lpm, 11m3/hr)
Inlet/Outlet Port Size	3/4"	3/4"	1"	1"	1"	1-1/2"
Reactor Dimensions	58x6.5cm (23"x2.5")	72x6.5cm (29"x2.5")	95x6.5cm (38"x2.5")	61x8.9cm (24"x3.5")	80x8.9cm (32"x3.5")	95x8.9cm (38"x3.5")
Lamp Watts	28	32	41	55	66	90
Controller	BAP40365, 100-250V./50-60Hz. 18x9.5x5cm(7.08"x3.7"x1.9")			BAP100365, 100-250V./50-60Hz. 18x9.5x5cm(7.08"x3.7"x1.9")		
Monitored	PUS-6MS	PUS-9MS	PUS-13MS	PUS-24MS	PUS-35MS	PUS-50MS
Controller	BAP40365MS, 100-250V./50-60Hz. 24x9.5x5cm(9.45"x3.7"x1.9")			BAP100365MS, 100-250V./50-60Hz. 24x9.5x5cm(9.45"x3.7"x1.9")		
UV Sensor	GDS254NM15-V, 1/2", Voltage Signal, 254nm, Integrated Temperature Sensor, RJ45 Connection, SS316					
★ Flow Rate Stated at 30mJ/cm2 Dosage based on 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
- + Lamp Life 365 Days Countdown
- + Countdown Resettable
- + Total Running Days
- + Lamp Replacement Reminder
- + Deferred Alarm(4 times max.)
- + Dry Contacts



Replacement Parts

Lamp, USAL505T5L	Quartz Sleeve, QS535 & SPRING	For PUS-6(MS)
Lamp, USAL635T5L	Quartz Sleeve, QS665 & SPRING	For PUS-9(MS)
Lamp, USAL843T5L	Quartz Sleeve, QS890 & SPRING	For PUS-13(MS)
Lamp, USAL512T5L-HO	Quartz Sleeve, QS542 & SPRING	For PUS-24(MS)
Lamp, USAL702T5L-HO	Quartz Sleeve, QS732 & SPRING	For PUS-35(MS)
Lamp, USAL846T5L-HO	Quartz Sleeve, QS890 & SPRING	For PUS-50(MS)

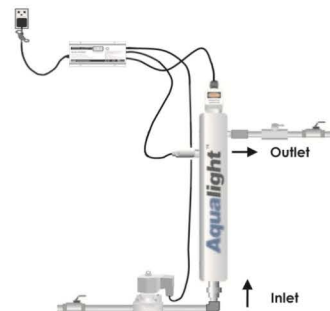
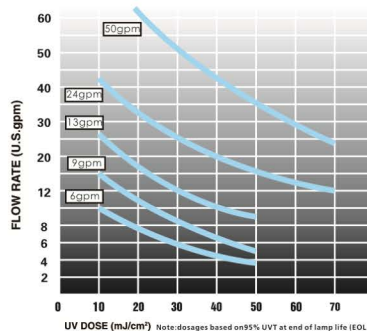


Operating Parameters

- + 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
- + SS304 Construction Material, SS316 on Request
- + Vertical or Horizontal 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.