

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

Aqualight[®] PLT

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 Lightech Limited
www.aqualightech.com

Residential Commercial Application

Model	PLT1	PLT2	PLT4	PLT6	PLT8	PLT12
Flow Rate @30mJ/cm ²	1gpm, 3.8lpm, 0.25m ³ /hr.	2gpm, 7.5lpm, 0.5m ³ /hr.	4gpm, 15lpm, 1m ³ /hr.	6gpm, 22.7lpm, 1.4m ³ /hr.	8gpm, 30lpm, 1.8m ³ /hr.	12gpm, 45.4lpm, 3m ³ /hr.
Flow Rate @40mJ/cm ² (NSF)	0.5gpm, 1.8lpm, 0.1m ³ /hr.	1.5gpm, 5.5lpm, 0.3m ³ /hr.	3gpm, 11.2lpm, 0.6m ³ /hr.	4.5gpm, 17lpm, 1m ³ /hr.	5.5gpm, 21lpm, 1.3m ³ /hr.	8.5gpm, 32lpm, 1.9m ³ /hr.
Inlet/Outlet	1/4"	1/4"	1/2"	3/4"	3/4"	1"
Dimensions	28x5.1cm(11"x2")	36x6.5cm(14"x2.5")	42x6.5cm(17"x2.5")	56x6.5cm(22"x2.5")	70x6.5cm(28"x2.5")	92x6.5cm(36"x2.5")
Material	Stainless Steel #304 (SS316 on Request)					
Lamp Part#/Watts	GPH212T5L/4-LT, 10W	GPH287T5L/4-LT, 14W	GPH330T5L/4-LT, 19W	GPH505T5L/4-LT, 28W	GPH645T5L/4-LT, 32W	G36T5L/4-LT, 39W
Quartz Sleeve Part#	QS245, length 245mm	QS331, length 331mm	QS375, length 375mm	QS535, length 535mm	QS665, length 665mm	QS890, length 890mm
Ballast Part#	BAP2011, 110V. or BAP2022, 220V.			BAP4011, 110V. or BAP4022, 220V.		

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

Control

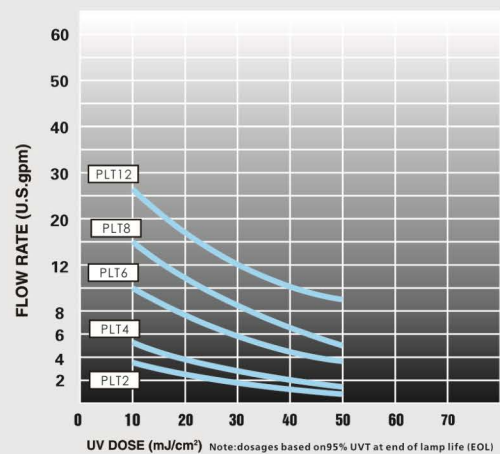
- + Lamp Operation Indicator
- + Audible Lamp Failure

Operating Parameters

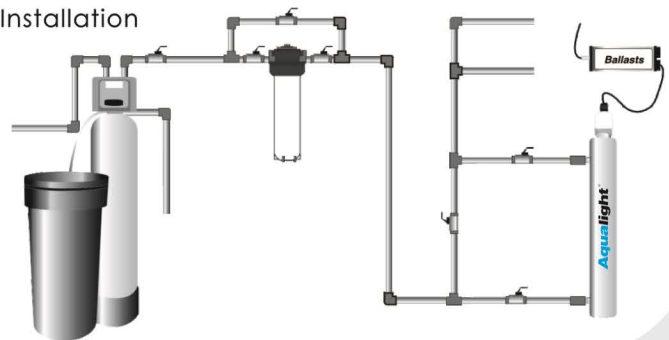
- + Max. operating pressure 125psi(8.62 bar)
- + Ambient water temperature 2-40°C (36-104°F)
- + Iron < 0.3ppm (0.3 mg/L)
- + Hardness < 7gpg (120mg/L)
- + Turbidity < 1 NTU
- + UV Transmittance > 75%

General

- + 4-Log(99.99%) Reduction in Bacteria Viruses and Protozoan Cysts
- + SS304 Construction Material, SS316 on Request
- + Vertical or Horizontal Installation



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.