

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

Aqualight™ SLT 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

Commercial Industrial Application

Model	SLT12	SLT24	SLT36	SLT50	SLT80	SLT100	SLT150
Flow Rate	12 gpm (3 m3/hr.)	24 gpm (6 m3/hr.)	36gpm (8 m3/hr.)	50 gpm (11 m3/hr.)	80 gpm (18 m3/hr.)	100 gpm (23 m3/hr.)	150 gpm (34 m3/hr.)
Inlet/Outlet Ports	1"		1-1/2"	2"		3"	
Dimensions	92.5x18x25cm(36.4"x7"x9.8")		92.5x25x42cm (36.4"x9.8"x16.5")			92.5x32x41 cm (36.4"x12.6"x16.1")	
Material	Stainless Steel #304 (SS316 on Request)						
Lamp Part#/Watts	G36T5L/4-LT, 39 Watts, 425mA, 254nm			GHO36T5L/4-LT, 80 Watts, 800mA, 254nm			
Rated Life	10,000 Hours						
Power Consumption	50W	100W	150W	193W	265W	390W	590W
Quartz Sleeve Part#	QS890, length 890mm						
Ballast Part#	GDB42540L2 100V.-240V./50-60Hz.			GDB80095L2, 100V.-240V./50-60Hz.			
Numbers of Lamp/ Quartz Sleeve/Ballast	1	2	3	2	3	4	6

*Flow Rate Stated at 30mJ/cm2 based on 95% UVT of EOL (End of Lamp Life)

Control

- Audible Alarm
- Lamp Operation Indicator
- Hours Running Meter (non-resettable), log up to 99,999 hours
- Dry Contacts (Relay)
- CE Certificate

Option

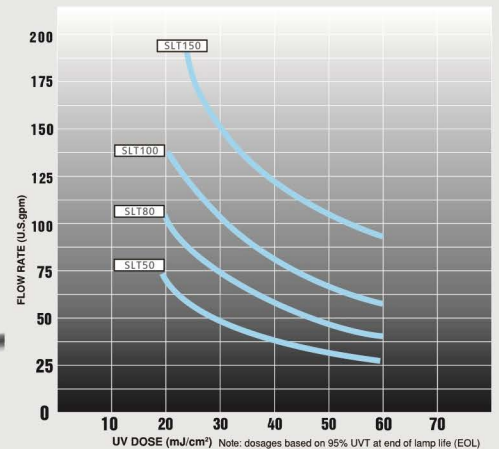
- Ultraviolet Intensity Monitor, 4-20mA Output
- Temperature Monitor
- Sanitary Connections

Operating Parameters

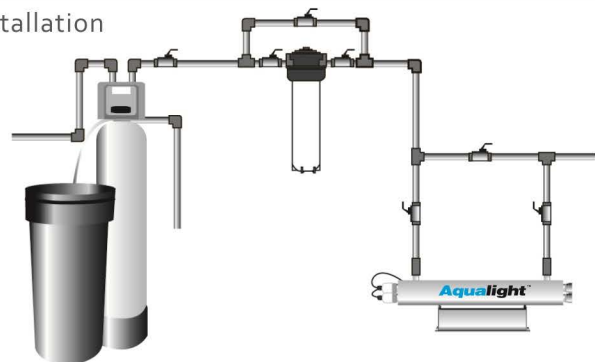
- + Max. operating pressure 125psi(8.62 bar)
- + Ambient water temperature 2-40°C (36-104°F)
- + Iron < 0.3ppm (0.3 mg/L)
- + Hardness < 7gpg (120mg/L)
- + Turbidity < 1 NTU
- + UV Transmittance > 75%

General

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