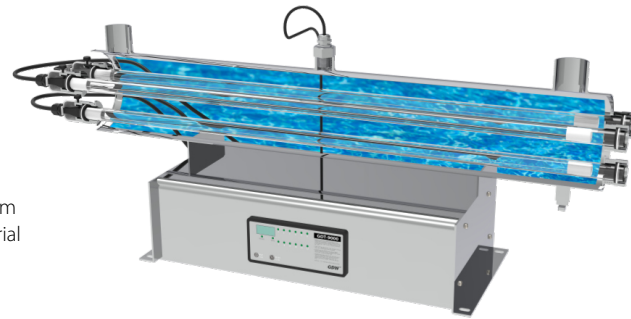# Aqualight SLT
ULTRAVIOLET WATER PURIFICATION

The ultraviolet (UV-C rays, 253.7nm) water disinfection treatment is an extremely rapid physical process, reliable, economical and chemical-free, highly effective method to remove the threat of microbiological contaminants from water.

Models SLT12 - SLT100 flow rates 12gpm (3m³/hr.) up to 100gpm (23m³/hr.) for commercial, community, Institutional and industrial applications.

Ultraviolet light treatment is a widely recognized and proven method of disinfection of water, does not add anything to the water, nor does it generate harmful byproducts. It adds only energy in the form of ultraviolet radiation. It is fast, efficient, effective, economical and environmentally-friendly.

Specifications

Model	SLT12GH	SLT24GH	SLT36GH	SLT50GH	SL60GH	SLT80GH	SLT100GH
Flow Rates @ 30mJ/cm²	12gpm, 3m³/hr	24gpm, 6m³/hr	36gpm, 8m³/hr	50gpm, 11m³/hr	60gpm, 14m³/hr	80gpm, 18m³/hr	100gpm, 23m³/hr
Flow Rates @ 40mJ/cm²	9gpm, 2m³/hr	18gpm, 4.1m³/hr	27gpm, 6.1m³/hr	38gpm, 8.6m³/hr	45gpm, 10m³/hr	60gpm, 14m³/hr	75gpm, 17m³/hr
Inlet / Outlet	1"	1"	1½"	1½"	2"	2"	3"
Dimensions	93*18*30cm(36.6 *7*11.8 in.)	93*18*30cm(36.6 *7*11.8 in.)	93*25*35cm(36.6 *9.8*13.7 in.)	93*25*35cm(36.6 *9.8*13.7 in.)	93*30*42cm(36.6 *11.8*16.5 in.)	93*30*42cm(36.6 *11.8*16.5 in.)	93*39*48cm(36.6* 15.4*18.9 in.)
Ultraviolet Lamp	Part# G36T5L/4-LT, 39 Watts, 425mA, 254nm						
Quartz Sleeve	Part# QS900-BO, 900mm, Both Sides Open						
Ballasts	Par# GDB42540L2, 110V.-240V./50-60Hz.						
Number of Lamp/Sleeve/ Ballasts	1	2	3	4	5	6	8
Timer Monitor	Lamp Operating Hours Monitor, Part No. GDT-9000						
Features	Lamp Operating Indicator, Audible Lamp Failure, Lamp Operating Hours up to 9000hr, Total Running Days, Dry Contact						
Sensor	Optional, Part No. GDS254NM20-V, SS316						

▸ Flow Rates Stated at 95% UV Transmittance of End of Lamp Life, 20℃

General

- SS304 Construction Material (SS316 as Request)
- 4-Log (99.99%) Reduction in Bacteria, Viruses and Protozoan Cysts
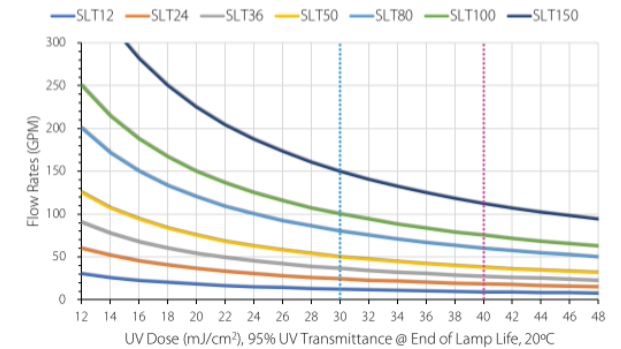- Optional Sanitary Connections, Temperature Monitor and Lamp Made in USA

Parameters

- Max. Operating Pressure 125psi (8.62 bars)
- Ambient Water Temperature 2-40℃ (36-104°F)
- Iron< 0.3 ppm (0.3mg/L)
- Hardness < 7 gpg (120 mg/L)
- Manganese < 0.05 ppm (0.05 mg/L)
- Turbidity < 1NTU
- Tannins < 0.1 ppm (0.3 mg/L)
- UV Transmittance >75%

Warranty

- Ultraviolet Water Disinfection Systems Carry a Three Year Warranty on the Stainless Steel Reaction Chamber
- A TWO Year on Power Supply Controller
- A ONE Year Warranty on Ultraviolet Lamp, Quartz Sleeve and Other Components

Dosage

Installation Layout