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

Optional
Lamp Made in USA by Light Sources Inc.
GDW Aqualight®

Aqua Lightech Limited
www.aqualightech.com

Commercial Industrial Application

Aqualight®

SPECIFICATIONS

Model	SLT12GH	SLT24GH	SLT36GH	SLT50GH	SLT60GH	SLT80GH	SLT100GH
Flow Rate	12 gpm (3 m3/hr.)	24 gpm (6 m3/hr.)	36gpm (8 m3/hr.)	50 gpm (11 m3/hr.)	60 gpm (14m3/hr.)	80 gpm (18 m3/hr.)	100 gpm (23 m3/hr.)
Inlet/Outlet Ports	1"		1-1/2"	1-1/2"	2"	2"	3"
Dimensions (cm)	92.5*18*26	92.5* 25*27	92.5*25*35	92.5*25*35	92.5*32*35	92.5*32*35	92.5*39*50
Material	Stainless Steel #304 (SS316 on Request)						
Lamp Part#/Watts	G36T5L/4-LT, 39 Watts, 425mA, 254nm						
Optional MADE IN USA	USAL843T5L, 41 Watts, 425mA, 254nm						
Rated Life	10,000 Hours						
Quartz Sleeve Part#	QS900-BO, length 900mm						
Ballast Part#	GDB42540L2, 100V.-240V./50-60Hz.						
Numbers of Lamp/ Quartz Sleeve/Ballast	1	2	3	4	5	6	8

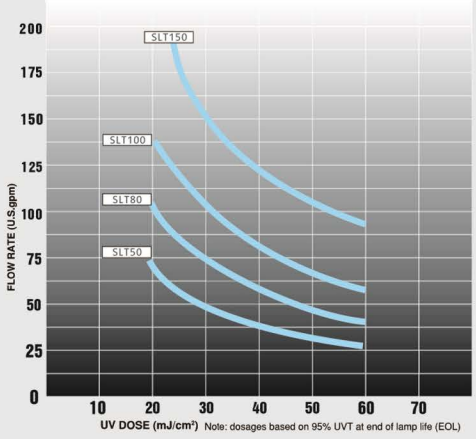
*Flow Rate Stated at 30mJ/cm2 based on 95% UVT of EOL (End of Lamp Life)

Control

Timer Monitor #GDT-9000
Input Power : AC85~265V. Power ON-OFF Switch
Lamp Operating Hours up to 9,000 hours
End of Lamp Life Alarm and Resettable
Lamp Operating Green LED, Audible Lamp Failure with Red
Total Running Days up to 9,999 days。
Dry Contacts (Lamp or Power Fails)

Option

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



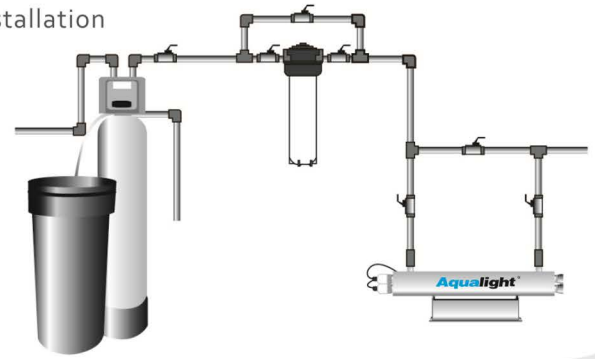
Operating Parameters

- Max. operating pressure 125psi(8.62 bar)
- Ambient water temperature 2-40℃ (36-104℉)
- 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.

GDW™ Aqua Lightech Limited
www.aqualightech.com

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