

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



Aqualight[®]

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



PUV SERIES - LOW FLOW



SLT SERIES - MEDIUM FLOW



SUV SERIES - HIGH FLOW





SPECIFICATIONS

Model	PV1	PV2	PV4	PV6	PV8	PV12
Flow Rate @30mJ/cm ²	1gpm, 3.78 lpm, 0.25 m3/hr	2gpm, 7.5 lpm, 0.5 m3/hr	4gpm, 15.1 lpm, 1 m3/hr	6gpm, 22.7 lpm, 1.4 m3/hr	8gpm, 30.2 lpm, 1.8 m3/hr	12gpm, 45.4 lpm, 3 m3/hr
Flow Rate @NSF 40mJ/cm ²	0.5gpm, 1.8 lpm, 0.1 m3/hr	1.5gpm, 5.5 lpm, 0.3 m3/hr	3gpm, 11.2 lpm, 0.6 m3/hr	4.5gpm, 17 lpm, 1 m3/hr	5.5gpm, 20.8 lpm, 1.3 m3/hr	8.5gpm, 32.1 lpm, 1.9 m3/hr
Inlet/Outlet	1/4"	1/2"	1/2"	3/4"	3/4"	1"
Dimensions	28x5.1cm(11"x2.0")	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")
Lamp Watts	10W	14W	19W	28W	32W	39W
IC Controller	BAP4011,110V. or BAP4022,220V.		11. 6x6x2. 6cm(4. 6"x2. 4"x1.03")		Lamp Operating LED, Audible Lamp Failure	

Model	SLT12	SLT24	SLT36	SLT50	SLT80	SLT100	SLT150
Flow Rate@30mJ/cm ²	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.)
Flow Rate@40mJ/cm ²	8.5gpm(2m3/hr)	17gpm(3.8m3/hr)	26gpm(6m3/hr)	37gpm(8.5m3/hr)	59gpm(14m3/hr)	74gpm(17m3/hr)	110gpm(25m3/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")			92.5x32x41cm (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 and 40mj/cm2 based on 95% UVT of EOL (End of Lamp Life)

Model	SV200	SV250	SV300	SV350	SV400	SV500	SV600
Flow Rate@30mJ/cm ²	200 (45)	250 (57)	300 (68)	350 (80)	400 (91)	500 (115)	600 (136)
Flow Rate@40mJ/cm ²	148(33)	185(42)	220(50)	259(59)	295(67)	370(84)	440(100)
Inlet/Outlet Flange	4"				6"		
Dimensions	159x39x51cm(62.6"x15.4"x20")				159x39x54cm (62.6"x15.4"x21.2")		159x39x60cm (62.6"x15.4"x23.6")
Material	Stainless Steel #304 (SS316 on Request)						
Detachable Control Panel	42x20x52cm(16.5"x7.9"x20.5")			42x22x62cm(16.5"x8.7"x24.4")			42x22x72cm (16.5"x8.7"x28.4")
Lamp Part#/Watts	GHO64T5L/4-LT, 155 Watts, 800mA, 254nm						
Rated Life	10,000 Hours						
Power Consumption	725W	910W	1080W	1255W	1425W	1710W	2050W
Quartz Sleeve Part#	QS1560, length 1560mm						
Ballast Part#	GDB800155L2, 100V.-240V./50-60Hz.				GDB800310L2, 200V.-300V./50-60Hz		
Numbers of Lamp/ Quartz Sleeve	4	5	6	7	8	10	12
Numbers of Ballast	4	5	6	7	4	5	6

* Flow Rate Stated at 30mj/cm2 and 40mj/cm2 based on 95% UVT of EOL (End of Lamp Life)