

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 SV12 - SV600 flow rates 12gpm (3m³/hr) up to 600gpm (136m³/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	SV12	SV24	SV36	SV50	SV80	SV100	SV125	SV150	SV200	SV250	SV300	SV350	SV400	SV500	SV600
Flow Rates @ 30mJ/cm ² , gpm(m ³ /hr)	12 (3)	24 (6)	36 (8)	50 (11)	80 (18)	100 (23)	125 (28)	150 (34)	200 (45)	250 (57)	300 (68)	350 (80)	400 (91)	500 (115)	600 (136)
Flow Rates @ 40mJ/cm ² , gpm(m ³ /hr)	9 (2)	18 (4.1)	27 (6.1)	38 (8.6)	60 (14)	75 (17)	93 (21)	113 (26)	150 (34)	188 (43)	225 (51)	263 (60)	300 (68)	375 (85)	450 (102)
Inlet / Outlet	1"	1"	1½"	1½"	2"	3"	3"	3"	4"	4"	4"	4"	6"	6"	6"
Reaction Chamber Dimensions	93*18*30c m(36.6*7* 11.8 in.)	93*18*30c m(36.6*7* 11.8 in.)	93*25*35c m(36.6*9. 8*13.7 in.)	93*25*35c m(36.6*9. 8*13.7 in.)	93*30*42c m(36.6*11 .8*16.5 in.)	93*39*48c m(36.6*15 .4*18.9 in.)	93*39*48c m(36.6*15 .4*18.9 in.)	93*39*48c m(36.6*15 .4*18.9 in.)	159*39*50 cm(62.6*15 .4*19.7 in.)	159*39*50 cm(62.6*15 .4*19.7 in.)	159*39*50 cm(62.6*15 .4*19.7 in.)	159*39*50 cm(62.6*15 .4*19.7 in.)	159*39*50 cm(62.6*15 .4*19.7 in.)	159*39*56 cm(62.6*1 5.4*22 in.)	159*39*56 cm(62.6*1 5.4*22 in.)
Control Panel Dimensions	30*17*40c m(11.8*6. 7*15.7 in.)	30*17*40c m(11.8*6. 7*15.7 in.)	30*17*40c m(11.8*6. 7*15.7 in.)	30*17*40c m(11.8*6. 7*15.7 in.)	40*20*50c m(15.7*7. 9*19.7 in.)	40*20*50c m(15.7*7. 9*19.7 in.)	40*20*50c m(15.7*7. 9*19.7 in.)	40*20*50c m(15.7*7. 9*19.7 in.)	45*19*60c m(17.7*7. 4*23.6 in.)	45*19*60c m(17.7*7. 4*23.6 in.)	45*19*60c m(17.7*7. 4*23.6 in.)	45*19*60c m(17.7*7. 4*23.6 in.)	60*19*70c m(23.6*7. 4*27.5 in.)	60*19*70c m(23.6*7. 4*27.5 in.)	60*19*70c m(23.6*7. 4*27.5 in.)
Ultraviolet Lamp	Part# G36T5L/4-LT, 39 Watts, 425mA, 254nm			Part# GHO36T5L/4-LT, 80 Watts, 800mA, 254nm			Part# GHO64T5L/4-LT, 155 Watts, 800mA, 254nm								
Quartz Sleeve	Part# QS900-BO, 900mm, Both Sides Open						Part# QS1575-BO, 1575mm, Both Sides Open								
Ballasts	Par# GDB42540L2, 110V.-240V./50-60Hz.			Par# GDB80095L2, 110V.-240V./50-60Hz.			Part# GDB800155L2, 110V.-240V./50-60Hz.								
Number of Lamp/Sleeve/ Ballasts	1	2	3	2	3	4	5	6	4	5	6	7	8	10	12
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														

▶ Flow Rates Stated at 95% UV Transmittance @ End of Lamp Life, 20°C

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 

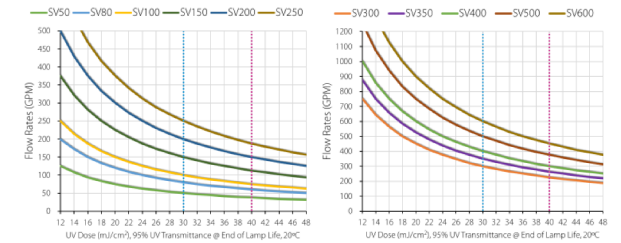
Parameters

- Max. Operating Pressure 125psi (8.62 bars)
- Ambient Water Temperature 2-40°C (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

