

Aqualight[®]SLC

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 SLC200 - SLC600 flow rates 200gpm (45m³/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 | SLC200 | SLC250 | SLC300 | SLC350 | SLC400 | SLC500 | SLC600 |
|-----------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Flow Rates @ 30mJ/cm ² | 200gpm (45m ³ /hr) | 250gpm (57m ³ /hr) | 300gpm (68m ³ /hr) | 350gpm (80m ³ /hr) | 400gpm (91m ³ /hr) | 500gpm (115m ³ /hr) | 600gpm (136m ³ /hr) |
| Flow Rates @ 40mJ/cm ² | 150gpm (34m ³ /hr) | 188gpm (43m ³ /hr) | 225gpm (51m ³ /hr) | 263gpm (60m ³ /hr) | 300gpm (68m ³ /hr) | 375gpm (85m ³ /hr) | 450gpm (102m ³ /hr) |
| Inlet / Outlet | 4" | 4" | 4" | 4" | 6" | 6" | 6" |
| Reaction Chamber Dimensions | 173*27.5*69cm(68.1*10.8*27.2 in.) | 173*27.5*69cm(68.1*10.8*27.2 in.) | 173*27.5*69cm(68.1*10.8*27.2 in.) | 173*27.5*69cm(68.1*10.8*27.2 in.) | 173*27.5*69cm(68.1*10.8*27.2 in.) | 173*27.5*69cm(68.1*10.8*27.2 in.) | 173*33*69cm(68.1*13*27.2 in.) |
| Ultraviolet Lamp | Part# GHO64T5L/4-LT, 155 Watts, 800mA, 254nm | | | | | | |
| Quartz Sleeve | Part# QS1575-BO, 1575mm, Both Sides Open | | | | | | |
| Ballasts | Part# GDB800155L2, 110V.-240V/50-60Hz | | | | | | |
| Number of Lamp/Sleeve/ Ballasts | 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 of 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 

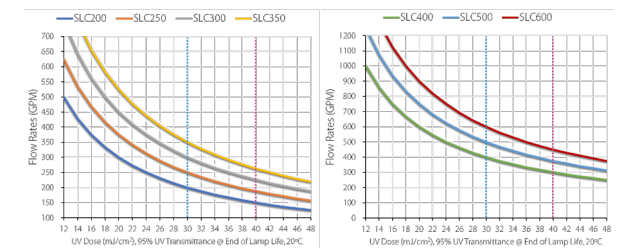
Parameters

- 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

