

SL™ SERIES // HIGH PERFORMANCE UV SYSTEMS

Aquafine's SL™ Series provide a compact design and economical ultraviolet (UV) water treatment for lowflow disinfection applications, such as laboratory and medical facility water, pharmaceutical make-up processes, final electronic component rinsing and recirculation loops, to name a few.



MODEL SHOWN: MP 2 SL // **INDUSTRIES:** Food & Beverage, Life Sciences, Microelectronics // **FLOWRATES:** 12-24 GPM (2.7 to 5.5 m³/hr) // **APPLICATIONS:** Disinfection // **DESIGN CAPABILITIES:** Compact Design

SL SERIES

The SL system produces little change in water temperature, even after prolonged periods of no water flow, making them ideal for water vending machine applications.

The SL 1 and MP 2 SL models may be configured for Total Oxidizable Carbons (TOC) reduction or ozone destruction applications found in high purity or ultrapure water processes.

Features

- Stainless steel control cabinet
- 316L stainless steel treatment chamber
- Lamp status indicator
- Running time meter
- Single-ended (SE) lamps/high purity quartz
- All models are CE and UL Listed

Benefits

- Compact design
- Application specific reactor design
- Lower maintenance costs
- Single ended (SE) lamps/high purity quartz
- UL & CE listed

The Aquafine SL™ Series consists of a 316L stainless steel treatment chamber and a 304L stainless steel control panel in one integral unit. All models are compact in size, maximizing installation flexibility and preserving floorspace. Aquafine's single-ended lamps allow for quick change-outs without tools.

Options

- UV & temperature monitoring system (select models)
- UV & temperature detector,* hot water sanitizable
- UV intensity 4-20mA*
- Lamp Out Alert (LOA)
- Stainless steel compression nuts
- Sample ports
- Sanitary fittings
- Validated lamps
- Additional voltages available

Note: These options are only available on SL models.

Safe & Effective

UV disinfection is a chemical-free process that adds nothing to the water except UV light. It provides rapid, effective inactivation of microorganisms through a physical process. When bacteria, viruses and protozoa are exposed to the germicidal wavelengths of UV light, they are rendered incapable of reproducing and infecting. No carcinogenic disinfection by-products are created, and no transportation, storage or handling of toxic or corrosive chemicals is necessary.

Guaranteed Performance and Support Services

All of our systems come with a lifetime disinfection guarantee. Customer support is available from our Authorized Distributor Network and from our 24/7 Technical Service Group.

For questions regarding your application needs, please contact your local Authorized Distributor or Aquafine for more information.

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Model: SL	SL 1	MP 2 SL
MAXIMUM FLOW RATE		
FLOW RATE DISINFECTION [@ 94% UVTI GPM (M ³ /HR)	10 (2.3)**	20 (4.5)**
FLOW RATE DISINFECTION [@ 99% UVTI GPM (M ³ /HR)	12 (2.7)**	24 (5.5)**
NUMBER OF LAMPS (LP)	1	2
ELECTRICAL REQUIREMENTS		
OPERATING POWER (W/VA)	61 (65)	96 (151)
TREATMENT CHAMBER (TC)		
OPERATING TEMPERATURE °F (°C)	WATER: 40° - 80° (4° - 27°) AMBIENT AIR 35° - 110° (2° - 43°) (OTHER TEMPERATURES MAY BE AVAILABLE, PLEASE CONTACT AQUAFINE)	WATER: 50° - 100° [10° - 38°] AMBIENT AIR 35° - 110° [2° - 43°]
MAX. OPERATING PRESSURE PSI (BAR)	150 (10)	150 (10)
INLET / OUTLET SIZE INCHES (MM)	1 (25) FLANGE	1 1/2 (37) FLANGE
HOT WATER SANIT. W/SENSOR °F (°C) AVAILABLE WITH U.S. COMP. NUTS ON LY	170° (77°) - 194° (90°)	170° (77°) - 194° (90°)

* Standard with UV & Temperature Monitoring System.

** Dose Level: 30 mJ/cm² after 8,000 hours of operation. Capacities listed are for Disinfection only.



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