

## 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 m<sup>3</sup>/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  |
|--|--|--|
| <b>MAXIMUM FLOW RATE</b>   |  |  |
| FLOW RATE DISINFECTION<br>(@ 94% UVT) GPM (M <sup>3</sup> /HR)               | 10 (2.3)**   | 20 (4.5)**   |
| FLOW RATE DISINFECTION<br>(@ 99% UVT) GPM (M <sup>3</sup> /HR)               | 12 (2.7)**   | 24 (5.5)**   |
| NUMBER OF LAMPS (LP)   | 1  | 2  |
| <b>ELECTRICAL REQUIREMENTS</b>   |  |  |
| OPERATING POWER (W/VA)   | 61 (65)  | 96 (151)   |
| <b>TREATMENT CHAMBER (TC)</b>  |  |  |
| OPERATING TEMPERATURE °F [°C]  | WATER: 40° - 80° [4° - 27°]<br>AMBIENT AIR 35° - 110° [2° - 43°]<br>(OTHER TEMPERATURES MAY BE AVAILABLE, PLEASE CONTACT AQUAFINE) | WATER: 50° - 100°<br>[10° - 38°]<br>AMBIENT AIR 35° - 110°<br>[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]<br>AVAILABLE WITH S.S.<br>COMP. NUTS ON LY | 170° (77°) - 194° (90°)  | 170° (77°) - 194° (90°)  |

\* Standard with UV & Temperature Monitoring System.

\*\* Dose Level: 30 mJ/cm<sup>2</sup> after 8,000 hours of operation. Capacities listed are for Disinfection only.



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Aquafine is an ISO 9001:2008 certified company.