

SP & SL Series

Aquafine Corporation High Performance Ultraviolet Systems

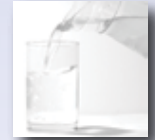
Aquafine's SP & SL Series provide a compact design and economical ultraviolet water treatment for low-flow disinfection applications, such as laboratory and medical facility water, pharmaceutical make-up processes, final electronic component rinsing and recirculation loops, to name a few.

The SP series models produce little change in water temperature, even after prolonged periods of no water flow, making them ideal for such applications as water for vending machines.

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

Available in 5 standard models, the SP and SL Series feature flow rates ranging from 1 to 24 U.S. GPM (0.2 to 5.5 m³/hr).

- Life Sciences
- Microelectronics
- Food & Beverage
- Special Applications



Advantages

- Compact Design
- Application Specific Reactor Design
- Lower Maintenance Costs
- Single Ended (SE) Lamps/High Purity Quartz
- UL & CE listed



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Description:

The Aquafine SP & SL Series consists of a 3 l 6L stainless steel treatment chamber and a 304 stainless steel control panel in one integral unit. Excluding the SP models, all units come complete with a standard Running Time Meter. All models are compact in size, maximizing installation flexibility and preserving floorspace. Single-ended lamps allow quick change-outs without tools.

Features:

- Stainless Steel Control Cabinet
- 3 l 6L Stainless Steel Treatment Chamber (excluding SP models)
- Lamp Status Indicator
- Running Time Meter (excluding SP models)
- Single Ended (SE) Lamps/High Purity Quartz
- All Models are CE and UL Listed

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: No options are available on SP models



SP & SL Series

Specifications:

Model: SP & SL	SP 1	SP 2	SL 10A	SL 1	MP 2 SL
MAX. OPERATING PRESSURE PSIG (BAR)	120 (8)			150 (10)	
OPERATING TEMP. °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°)
NUMBER OF UV LAMPS	1	1	1	1	2
ELECTRICAL SUPPLY	120V/60Hz or 240V/50Hz, SINGLE PHASE, 2 W + GND				
OPERATING POWER 120 (240) V AC	17 (38)	46 (84)	48 (48)	61 (65)	96 (151)
INLET / OUTLET SIZE INCHES (MM)	3/8 (9) FNPT	3/8 (9) FNPT	1/2 (12) FLANGE	1 (25) FLANGE	1 1/2 (37) FLANGE
HOT WATER SANIT. W/SENSOR °F (°C) AVAILABLE WITH S.S. COMP. NUTS ONLY	N/A		170° (77°) - 194° (90°)		
FLOW RATE DISINFECTION (@94% UVT) GPM (M³/HR)	1 (.22)***	2 (.44)***	3 (.68)****	10 (2.3)****	20 (4.5)****
FLOW RATE DISINFECTION (@99% UVT) GPM (M³/HR)	1 (.22)***	2 (.44)***	4 (.90)****	12 (2.7)****	24 (5.5)****

* Not available on SP models

** Standard with UV & Temperature Monitoring System.

*** Dose Level: 22 mJ/cm² after 4,400 hours of operation.

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

All specifications are subject to change without notice. For additional requirements, please contact Aquafine Corporation.



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