

## SP™ & SL™ SERIES // HIGH PERFORMANCE UV SYSTEMS

Aquafine's SP™ & 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:** SL 10A // **INDUSTRIES:** Food & Beverage, Life Sciences, Microelectronics // **FLOWRATES:** 1-24 GPM (0.2 to 5.5 m<sup>3</sup>/hr) // **APPLICATIONS:** Disinfection // **DESIGN CAPABILITIES:** Compact Design

### SP & SL SERIES

The SP 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.

These systems are available in five standard models and feature flow rates ranging from 1 to 24 U.S. GPM (0.2 to 5.5 m<sup>3</sup>/hr).

### Features

- Stainless steel control cabinet
- 316L 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

### Benefits

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

The Aquafine SP™ & 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.

# SP™ & SL™ SERIES // HIGH PERFORMANCE UV SYSTEMS

| Model: SP & SL   | SP 1   | SP 2         | SL 10A          | SL 1                    | MP 2 SL           |
|--|--|--------------|-----------------|-------------------------|-------------------|
| <b>MAXIMUM FLOW RATE</b>   |  |              |                 |                         |                   |
| FLOW RATE DISINFECTION<br>[@ 94% UVTI GPM (M <sup>3</sup> /HR)]              | 1 (1.22)***  | 2 (1.44)***  | 3 (1.68)****    | 10 (2.3)*****           | 20 (4.5)*****     |
| FLOW RATE DISINFECTION<br>[@ 99% UVTI GPM (M <sup>3</sup> /HR)]              | 1 (1.22)***  | 2 (1.44)***  | 4 (9.0)****     | 12 (2.7)*****           | 24 (5.5)*****     |
| NUMBER OF LAMPS (LP)   | 1  | 1            | 1               | 1                       | 2                 |
| <b>ELECTRICAL REQUIREMENTS</b>   |  |              |                 |                         |                   |
| ELECTRICAL SUPPLY  | 120V/60HZ OR 240V/50HZ, SINGLE PHASE, 2 W + GND  |              |                 |                         |                   |
| OPERATING POWER (WVA)  | 17 (38)  | 46 (84)      | 48 (148)        | 61 (165)                | 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) |              |                 |                         |                   |
| MAX. OPERATING PRESSURE PSI (BAR)  | 120 (8)  |              |                 | 150 (10)                |                   |
| 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)<br>AVAILABLE WITH S.S.<br>COMP. NUTS ON LY |  |              |                 | 170° (77°) - 194° (90°) |                   |

\* Not available on SP models

\*\* Standard with UV & Temperature Monitoring System.

\*\*\* Dose Level: 22 mJ/cm<sup>2</sup> after 4,000 hours of operation.

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



**North America & International**  
29010 Ave Paine, Valencia, CA 91355  
P +1 661 257 4770 F +1 661 257 2489  
sales@aquafineuv.com | www.aquafineuv.com

**Europe**  
Ramskamp 77-85 D-25337 Elmshorn, Germany  
P +49 4121 57806 13 F +49 4121 57806 30  
saleseu@aquafineuv.com | www.aquafineuv.com



**Victory House**  
Victory Park Road  
Addlestone, Surrey  
KT15 2AX

T: 01932 852423  
F: 01932 847170  
E: sales@kkwater.com  
www.kkwater.com



© Aquafine Corporation 2015. All rights reserved. This document is not to be copied, electronically stored or reproduced without written permission from Aquafine Corporation. All specifications are subject to change without notice. For additional requirements, please contact Aquafine Corporation.

THE UK'S LEADING PROVIDER OF UV DISINFECTION SYSTEMS