

# CSL Series

Aquafine Corporation High Performance Ultraviolet Systems

The Aquafine CSL Series features a compact design that incorporates a UV treatment chamber with an electrical cabinet base that contains all electrical components and instrumentation. These compact, one-piece UV models are engineered for indoor installation and controlled operating environments.

The CSL series is used in laboratory, hospital and hotel installations, as well as cosmetic, pharmaceutical and semiconductor manufacturing processes.

UV disinfection flow rates for the eleven standard CSL models range from 40 to 630 U.XS. GPM (9.1 to 143.2 m<sup>3</sup>/hr), with TOC reduction and ozone destruction configurations also available. Specification features and options for each model are listed on the back of this sheet.

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



## Advantages

- Compact Design
- Lower Maintenance and Operational Costs
- Application Specific Reactor Design
- Single-Ended (SE) Lamps for Quick Change-Outs
- Multi-Unit Skid System Design & Assembly
- CE listed



CSL 12R/60

**Description:**

The Aquafine CSL Series consists of a 316L stainless steel treatment chamber and a 304 stainless steel control panel in one integral unit. Complete with a standard Lamp Status Indicator, the compact size maximizes installation flexibility and preserves floorspace. Single-ended lamps allow quick change-outs without tools.

**Features:**

- 304 Stainless Steel Control Cabinet
- 316L Stainless Steel Treatment Chamber
- Lamp Status Indicator
- Running Time Meter
- Sample Ports
- Single-Ended (SE) Lamps
- CE Listed



CSL 12R/60

**Options:**

- UV Intensity 4-20mA, 0-10V DC Output
- Lamp Out Alert (LOA)
- Stainless Steel Compression Nuts
- Sanitary Fittings
- Temperature Safety Control
- Viton® Elastomers
- Ra15 Finish
- High Pressure Modification Up To 150 psi
- Validated Lamps

**Specifications:**

Model: CSL	CSL 4R	CSL 6R	CSL 8R	CSL 12R	CSL 8R/60	CSL 10R/60	CSL 12R/60	CSL 24R	CSL 16R/60	CSL 20R/60	CSL 24R/60
<b>MAX. OPERATING PRESSURE PSIG (BAR)</b>	120 (8)										
<b>OPERATING TEMP. °F (°C)</b>	Water: 35° - 100° (2° - 38°) Ambient Air 33° - 110° (1° - 43°) - other temperatures may be available, please contact Aquafine.										
<b>NUMBER OF UV LAMPS</b>	4	6	8	12	8	10	12	24	16	20	24
<b>ELECTRICAL SUPPLY</b>	120V/60Hz or 240V/50Hz, SINGLE PHASE, 2 W + GND										
<b>OPERATING POWER 120 (240) V AC</b>	230 (336)	360 (504)	470 (672)	690 (984)	756 (1080)	780 (1296)	950 (1584)	1080 (1968)	1150 (2160)	1560 (2664)	1740 (3192)
<b>INLET / OUTLET SIZE* INCHES (MM) R.F. FLANGE</b>	2 (50)	2 (50)	3 (80)	3 (80)	4 (1000)	4 (1000)	4 (1000)	3 (80)	4 (1000)	4 (1000)	4 (1000)
<b>FLOW RATE DISINFECTION (@94% UVT) GPM (M<sup>3</sup>/HR)**</b>	40 (9)	60 (14)	80 (18)	130 (30)	166 (38)	215 (49)	260 (60)	260 (60)	332 (76)	430 (98)	520 (118)
<b>FLOW RATE DISINFECTION (@99% UVT) GPM (M<sup>3</sup>/HR)**</b>	50 (11)	78 (18)	100 (23)	156 (36)	200 (46)	200 (46)	260 (59)	315 (72)	400 (90)	520 (118)	630 (143)

\*ANSI Class 150 flange

\*\* Dose Level: >30 mJ/cm<sup>2</sup> 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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