



Aquafine® Corporation

MODEL CSL SERIES UV UNIT



Aquafine Model CSL Ultraviolet Water Treatment Unit

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 installations 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.S. GPM (9.1 to 143.2 m³/hr.), with TOC reduction and ozone destruction configurations also available. Specifications, features and options for each ultraviolet treatment model are listed on the back of this sheet.

FEATURES AND AVAILABLE OPTIONS

- 💧 CE Listed
- 💧 316L Stainless Steel Treatment Chamber
- 💧 304 Stainless Steel Cabinet Housing
- 💧 Optional Ra 15 (240 grit) Internal Finish
- 💧 Optional Endplate-Mounted 360° UV Intensity Sensor
- 💧 Optional 4-20 mA Output Signal
- 💧 Optional Temperature Safety Control
- 💧 Optional Lamp Out Alert Circuit
- 💧 Optional Sanitary Inlet & Outlet Fittings
- 💧 Optional High Pressure Modification

For more information or to place an order, contact our Customer Service Department or your local Aquafine representative.

AQUAFINE CSL (INDOOR) SERIES SPECIFICATIONS

Model No.	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
Maximum Capacity Clear Fresh Water (C of A 0.06)	40 GPM 9.1 m ³ /hr.	60 GPM 13.6 m ³ /hr.	80 GPM 18.2 m ³ /hr.	130 GPM 29.5 m ³ /hr.	166 GPM 37.7 m ³ /hr.	215 GPM 48.9 m ³ /hr.	260 GPM 59.1 m ³ /hr.	260 GPM 59.1 m ³ /hr.	332 GPM 75.5 m ³ /hr.	430 GPM 97.7 m ³ /hr.	520 GPM 118.2 m ³ /hr.
Distilled DI / RO Water (C of A 0.01)	50 GPM 11.4 m ³ /hr.	78 GPM 17.7 m ³ /hr.	100 GPM 22.7 m ³ /hr.	156 GPM 35.5 m ³ /hr.	200 GPM 45.5 m ³ /hr.	260 GPM 59.1 m ³ /hr.	315 GPM 71.6 m ³ /hr.	315 GPM 71.6 m ³ /hr.	400 GPM 90.9 m ³ /hr.	520 GPM 118.2 m ³ /hr.	630 GPM 143.2 m ³ /hr.
Shipping Weight ¹ lbs. (kg)	105 (47)	120 (54)	172 (59)	238 (108)	291 (132)	317 (144)	335 (152)	460 (209)	590 (268)	620 (281)	660 (299)
Shipping Size ft ³ (m ³)	9.5 (.27)	9.5 (.27)	9.5 (.27)	13.6 (.39)	30.4 (.86)	30.4 (.86)	30.4 (.86)	36.1 (1.02)	54.5 (1.54)	54.5 (1.54)	54.5 (1.54)
No. of UV Lamps	4	6	8	12	8	10	12	24	16	20	24
Total Current (Amps) @ 120 (240) VAC	1.9 (1.5)	3.0 (2.2)	3.9 (2.8)	4.6 (4.1)	4.6 (4.5)	5.8 (5.6)	6.5 (6.6)	9.0 (8.2)	9.6 (9.0)	13 (11.1)	14.5 (13.3)
Total Power (Watts) @ 120 (240) VAC	230 (360)	360 (528)	470 (672)	550 (984)	550 (1080)	700 (1344)	780 (1584)	1080 (1968)	1150 (2160)	1560 (2664)	1740 (3192)
Inlet / Outlet Size Inches (mm) ²	2" (50mm) R.F. Flange	2" (50mm) R.F. Flange	3" (80mm) R.F. Flange	3" (80mm) R.F. Flange	4" (100mm) R.F. Flange	4" (100mm) R.F. Flange	4" (100mm) R.F. Flange	3" (80mm) R.F. Flange	4" (100mm) R.F. Flange	4" (100mm) R.F. Flange	4" (100mm) R.F. Flange
Electrical Cabinet LxWxH: Inches (cm)	40 x 09 x 21 (102x23x53)	40 x 09 x 21 (102x23x53)	41 x 11 x 21 (104x28x53)	45 x 13 x 27 (114x33x67)	69 x 13 x 27 (175x33x67)	69 x 13 x 28 (175x33x70)	69 x 13 x 28 (175x33x70)	45 x 24 x 27 (114x61x67)	69 x 24 x 27 (175x61x70)	69 x 24 x 28 (175x61x70)	69 x 24 x 28 (175x61x70)
Cabinet Housing Material	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.
Treatment Chamber Material	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.
Standard Operating Pressure	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)	120 psig (8.3 bar)
S-254 Optical UV Sensor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
4-20 mA Output Signal ³	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Temperature Safety Control	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Lamp Out Alert Circuit	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Sanitary Fittings	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
High Pressure Modification up to 150 psi (10.34 bar)	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
UV Dosage ⁴ Microwatt Seconds/cm ²	>30,000	>30,000	>30,000	>30,000	>30,000	>30,000	>30,000	>30,000	>30,000	>30,000	>30,000

1 Weights shown are approximate and will vary according to power requirements and specified options.

2 ANSI Class 150 flange.

3 Must be ordered with S-254 UV Optical Sensor option.

4 After 8,000 hours of operation at 254 nanometers.



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Specifications are subject to change without notice.
Optional features shown are available at an additional charge.

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