



MODEL SCD SERIES UV UNIT

Aquafine® Corporation



Aquafine Model SCD Ultraviolet Water Treatment Unit

The Aquafine SCD Series utilizes less floor space and provides higher flow rates with fewer lamps. These models maximize efficiency in high volume, high UV transmission applications with the flexibility to serve both indoor and outdoor locations. The SCD series' two-piece construction allows you to choose either the compactness of an attached electrical control cabinet, or the convenience of an optional remotely located cabinet.

SCD models are available in standard and High Efficiency (HE) configurations for disinfection, TOC reduction, ozone destruction and chlorine/chloramine destruction applications. Specifications, features and options for each model are listed on the back of this sheet.

FEATURES

- UL Listed
- CE Listed
- Single Ended UV Lamps
- 316L Stainless Steel Treatment Chamber
- 304 Stainless Steel Cabinet Housing
- Patented Aqualogic 2000™ Micro-Controller
 - UV Intensity Sensor
 - 4-20 mA Output Signal
 - Temperature Safety Control
 - Lamp Out Alert Circuit
- Optional Ra 15 (240 grit) Internal Finish
- Optional Sanitary Inlet & Outlet Fittings
- Optional Multi-Unit Skid Assembly



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

AQUAFINE SCD (INDOOR / OUTDOOR) SERIES SPECIFICATIONS

Model No.	SCD-600	SCD-700	SCD-1000	SCD-1200	SCD-600 HE	SCD-700 HE	SCD-1000 HE	SCD-1200 HE
Maximum Capacity Clear Fresh Water (C of A 0.06)	475 GPM 107.9 m ³ /hr.	550 GPM 125 m ³ /hr.	800 GPM 182 m ³ /hr.	950 GPM 216 m ³ /hr.	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Distilled DI / RO Water (C of A 0.01)	625 GPM 142 m ³ /hr.	700 GPM 159 m ³ /hr.	1000 GPM 227 m ³ /hr.	1200 GPM 272 m ³ /hr.	354 GPM 80 m ³ /hr.	400 GPM 91 m ³ /hr.	566 GPM 128 m ³ /hr.	680 GPM 155 m ³ /hr.
Shipping Weight ① lbs. (kg)	660 (300)	700 (318)	765 (348)	1250 (569)	672 (305)	715 (325)	783 (355)	1277 (579)
Shipping Size ② - ft ³ (m ³)	89.8 (2.6)	89.8 (2.6)	89.8 (2.6)	89.8 (2.6)	89.8 (2.6)	89.8 (2.6)	89.8 (2.6)	89.8 (2.6)
No. of UV Lamps	16	20	24	36	16	20	24	36
Total Current (Amp) @ 120 (240) VAC	9.6 (5.05)	13 (6.84)	14.5 (7.63)	21 (11.05)	12.8 240 VAC	16.0 240 VAC	19.2 240 VAC	28.8 240 VAC
Total Power (Watts) @ 120 (240) VAC	1150 (1211)	1560 (1642)	1740 (1832)	2520 (2653)	3.1 KVA, 240 VAC	3.84 KVA, 240 VAC	4.6 KVA, 240 VAC	6.9 KVA, 240 VAC
Inlet / Outlet Size Inches (mm) ③	3" or 6" RF Flange (80 or 150 mm)	3" or 6" RF Flange (80 or 150 mm)	4" or 8" RF Flange (100 or 200 mm)	4" or 8" RF Flange (100 or 200 mm)	3" or 6" RF Flange (80 or 150 mm)	3" or 6" RF Flange (80 or 150 mm)	4" or 8" RF Flange (100 or 200 mm)	4" or 8" RF Flange (100 or 200 mm)
Electrical Cabinet LxWxH: Inches (cm)	32 x 11 x 43 (81 x 28 x 109)	32 x 11 x 43 (81 x 28 x 109)	32 x 11 x 43 (81 x 28 x 109)	32 x 11 x 43 (81 x 28 x 109)	32 x 11 x 43 (81 x 28 x 109)	32 x 11 x 43 (81 x 28 x 109)	32 x 11 x 43 (81 x 28 x 109)	32 x 11 x 43 (81 x 28 x 109)
Treatment Chamber LxWxH: Inches (cm)	67 x 16 x 25 (170 x 41 x 63)	67 x 16 x 25 (170 x 41 x 63)	67 x 18 x 27 (170 x 46 x 69)	67 x 18 x 27 (170 x 46 x 69)	67 x 16 x 25 (170 x 41 x 63)	67 x 16 x 25 (170 x 41 x 63)	67 x 18 x 27 (170 x 46 x 69)	67 x 18 x 27 (170 x 46 x 69)
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.
Treatment Chamber Mat'l	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.	316L S.S.
Remote Electrical Cabinet with std. 9 ft. conduit	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
S-254 Optical Sensor with 4-20 mA Output Signal	STANDARD WITH AQUALOGIC 2000™ MICRO-CONTROLLER SYSTEM							
Temp. Safety Control								
Lamp Out Alert Circuit								
Sanitary Fittings	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Max. Operating Pressure	150 psig (10.34 bar)	150 psig (10.34 bar)	150 psig (10.34 bar)	150 psig (10.34 bar)	150 psig (10.34 bar)	150 psig (10.34 bar)	150 psig (10.34 bar)	150 psig (10.34 bar)
UV Dosage ④ Microwatt Seconds / cm ²	>30,000	>30,000	>30,000	>30,000	>90,000	>90,000	>90,000	>90,000

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

② Unit is shipped in two crates.

③ ANSI Class 150 flange.

④ After 8,000 hours of operation at 254nm

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

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