



Aquafine® Corporation

MODEL SCD SERIES



UV-Vision 2000 Series

UV-G400



UV-TS600



The Aquafine SCD Series, utilizing less floor space provides higher flow rates with fewer lamps. These models maximize efficiency in high volume, high and low UV transmission applications, with the flexibility to serve both indoor and outdoor locations. Two-piece construction offers the ease of an electrical control cabinet or the convenience of a remote cabinet. Cylinders are also available in skid mounted systems for advanced engineering and hydraulic flexibility.

The SCD models provide green lamp technology producing LESS than 5mg of Mercury. Our lamps have a guaranteed lamp life of 8,000 hours with only 20% lamp depreciation. All SCD models are available in Standard, High Efficiency (HE) and High Efficiency Long Life (HX) configurations for disinfection, TOC reduction, ozone destruction and chlorine/chloramine destruction applications. Specification features and options for each model are listed on the back of this sheet.

FEATURES:

- UL Listed
- CE Listed
- Single Ended UV Lamps
- 31 GL S.S. Treatment Chamber
- Painted Carbon Cabinet
- 8,000 Hour Guaranteed Lamp Life
- Hydraulic Management System
- UV-Vision 2000 Series G400 Controller
 - LED Displays
 - Running Time Meter
 - Lamp Out Alert (LOA)
 - Hand Off Auto (HOA)

OPTIONS:

- UV-Vision 2000 Series TS600 Controller
- Modem / Online Access
- Local / Remote Operation
- Ra 15 (240 grit) Internal Finish
- Sanitary Inlet & Outlet Fittings
- Multi-Unit Skid System Design & Assembly
- UV and Water Temperature Sensor
- UV Irradiance Display

AQUAFINE SCD (INDOOR / OUTDOOR) SERIES SPECIFICATIONS

Model Number	SCD-600	SCD-700	SCD-1000	SCD-1200	SCD-600 H	SCD-700 H	SCD-1000 H	SCD-1200 H	SCD-1350 H	SCD-1450 H
Maximum Capacity Clear Fresh Water (94% UVT)	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.	269 GPM 60 m ³ /hr.	312 GPM 71 m ³ /hr.	453 GPM 103 m ³ /hr.	538 GPM 122 m ³ /hr.	606 GPM 138 m ³ /hr.	657 GPM 149 m ³ /hr.
Distilled DI / RO Water (99% UVT)	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.	765 GPM 174 m ³ /hr.	822 GPM 187 m ³ /hr.
Shipping Weight lbs. ¹ (kg)	660 (300)	700 (318)	765 (348)	1250 (569)	672 (305)	715 (325)	783 (355)	1277 (579)	1304 (593)	1326 (603)
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)	89.8 (2.6)	89.8 (2.6)
No. of UV Lamps	16	20	24	36	16	20	24	36	40	44
Total Current (AMP) @ 120 (240) VAC	9.6 (5.1)	13 (6.8)	14.5 (7.6)	21 (11.1)	24.3 (12.8)	30.4 (16)	36.5 (19.2)	54.7 (28.8)	60.8 (32)	66.9 (35.2)
Total Power (Watts) @ 120 (240) VAC	1150 (1211)	1560 (1642)	1740 (1832)	2520 (2653)	2916 (3900)	3648 (3840)	4380 (4600)	6564 (6900)	7296 (7700)	8028 (8500)
Inlet / Outlet Size ³ inches (mm)	2, 3, or 6 (50, 80, or 150)	2, 3, or 6 (50, 80, or 150)	2, 4, or 8 (50, 100, or 200)	2, 4, or 8 (50, 100, or 200)	2, 3, or 6 (50, 80, or 150)	2, 3, or 6 (50, 80, or 150)	2, 4, or 8 (50, 100, or 200)	2, 4, or 8 (50, 100, or 200)	2, 4, or 8 (50, 100, or 200)	2, 4, or 8 (50, 100, or 200)
Electrical Cabinet LxWxH: inches (cm)	32x11x43 (81x28x109)	32x11x43 (81x28x109)	32x11x43 (81x28x109)	32x11x43 (81x28x109)	32x11x43 (81x28x109)	32x11x43 (81x28x109)	32x11x43 (81x28x109)	32x11x43 (81x28x109)	36x11x43 (91x28x109)	36x11x43 (91x28x109)
Treatment Chamber LxWxH: inches (cm)	67x16x25 (170x41x63)	67x16x25 (170x41x63)	67x18x27 (170x46x69)	67x18x27 (170x46x69)	67x16x25 (170x41x63)	67x16x25 (170x41x63)	67x18x27 (170x46x69)	67x18x27 (170x46x69)	67x18x27 (170x46x69)	67x18x27 (170x46x69)
Remote Electrical Cabinet with std. 9 ft. conduit	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Sanitary Fittings	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Maximum 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)	150 psig (10.34 bar)	150 psig (10.34 bar)
UV Dosage (Fluence) ⁴ mJ/cm ²	>30	>30	>30	>30	>90	>90	>90	>90	>90	>90

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.

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