

SCD HTM Series

High Performance UV Systems

Aquafine's SCD HTM series provides TOC and chlorine destruction solutions, maximizing reduction efficiency in high volume, ultrapure, waste or reclaim applications for both indoor and outdoor installation flexibility.

SHOWN
SCD HTM
1350

INDUSTRIES | Food & Beverage, Life Sciences, Microelectronics

FLOWRATES: 60-170GPM @ 95%UVT,
70-200GPM @ 99%UVT



Aquafine TOC and chlorine destruction systems can be found worldwide in state-of-the-art microelectronic facilities and life science applications, where meeting stringent criteria of the cGMP and full acceptance by the FDA are mandatory.

UV TECHNOLOGY

Aside from being environmental responsible, UV light technology for water treatment has several advantages. Used effectively as a system for the reduction chlorine and TOC, Aquafine utilizes UV light in a 185nm wavelength. This energy, more powerful than 254nm used in disinfection applications, promotes the formation of free radicals, leading to the oxidation of organics into CO₂ and H₂O.

SAFE & EFFECTIVE

UV does not 'add' anything to the water stream such as undesirable color, odor, chemicals, taste or flavor, nor does it generate harmful by-products. UV only imparts energy to the water stream in the form of ultraviolet light to inactivate microorganisms or reduce chemical compounds present in the water.

APPLICATIONS | TOC, Chlorine Destruction

DESIGN CAPABILITIES | Modular Skid Systems

SCD HTMSERIES

Aquafine SCD HTM systems for TOC (total organic carbon) and chlorine destruction can be found worldwide in state-of-the-art microelectronic facilities and life science applications where meeting stringent criteria of the cGMP and full acceptance by the FDA are mandatory.

The SCD HTM series consists of 316L stainless steel treatment chamber and a UL TYPE-I painted carbon steel control cabinet, with a maximum cable length of 15 ft. (5m). The control cabinet features a microprocessor-based controller. The units compact size reduces footprint and maximizes installation flexibility. Single-ended (SE) HX lamps allow quick change-outs without tools.

Utilizing our modular skid configurations, less floor space and higher flow rates with state-of-the-art technology, Aquafine's ultraviolet (UV) systems are an innovative, reliable and environmentally responsible alternative.



Aquafine[®]
www.aquafineuv.com

SCD H™ Series

High Performance UV Water Treatment System

Model: SCD H™	600 H	700 H	1000 H	1200 H	1350 H	1450 H	1550 H	1750 H
MAXIMUM FLOW RATE								
(@95% UVT) GPM (M ³ /HR)*	60 (14)	65 (15)	95 (22)	115 (26)	130 (30)	140 (32)	155 (35)	170 (39)
(@99% UVT) GPM (M ³ /HR)*	70 (16)	80 (18)	115 (26)	135 (31)	150 (34)	165 (38)	185 (42)	200 (45)
NUMBER OF UV LAMPS (HX SINGLE-ENDED)	16	20	24	36	40	44	40	44
ELECTRICAL REQUIREMENTS								
ELECTRICAL SUPPLY	120-240V/50-60Hz, SINGLE PHASE, 2 W + GND				208-240V/50-60Hz, SINGLE PHASE, 2 W + GND			
OPERATING POWER (NOMINAL WATTS)	2700	3250	3800	5700	6250	6800	6250	6800
BALLAST TYPE	ELECTRONIC							
CONTROLLER/DETECTOR								
UV G400 SERIES	STANDARD							
LAMP STATUS INDICATOR	STANDARD							
LAMP OUT ALERT (LOA)	STANDARD							
RUNNING TIME METER/CYCLE COUNTER	STANDARD							
HAND OFF AUTO (HOA) 24VDC	STANDARD - OTHER VOLTAGES AVAILABLE							
UV & TEMPERATURE DETECTOR	OPTIONAL (ANALOG OUTPUT MODULE AVAILABLE)							
CONTROL CABINET								
CONTROL CABINET SYSTEM RATING	C.S - UL TYPE 1, S.S. - UL TYPE 3R**							
MATERIALS OF CONSTRUCTION	PAINTED CARBON STEEL (STAINLESS STEEL OPTIONAL)							
REMOTE CABINET	OPTIONAL							
ENCLOSURE HIGH TEMP WARNING	STANDARD							
CABINET DIMENSIONS INCHES C.S. (S.S.)	22 X 30 X 16 (22 X 39 X 16)				30 X 30 X 16 (30 X 39 X 16)			
MM C.S. (S.S.)	559 X 762 X 406 (559 X 990 X 406)				787 X 787 X 406 (762 X 990 X 406)			
TREATMENT CHAMBER								
MATERIALS OF CONSTRUCTION	316L STAINLESS STEEL							
INTERNAL SURFACE FINISH	Ra 32 (Ra 15 OPTIONAL)							
OPERATING TEMPERATURE °F (°C)	Water: 40° - 104° (4° - 40°) Ambient Air: 35° - 100° (2° - 38°)							
MAX. OPERATING PRESSURE PSI (BAR)	150 (10)							
INLET/OUTLET FLANGE SIZE INCHES STANDARD/OPTIONAL (MM)	3 / 2, or 4 (80 / 50 or 100)			4 / 2 or 3 (100 / 50 or 80)			4 / 3 or 6 (100 / 80 or 150)	

* Dose Level: >600 mJ/cm² after 9,000 hours of operation.

** Available for stand alone units only. Skid systems available in UL TYPE-12 Painted Carbon Steel Enclosure only.



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Aquafine is an ISO 9001:2008 certified company.

All specifications are subject to change without notice.
For additional requirements, please contact Aquafine Corporation.