

FTC Series

HIGH PERFORMANCE ULTRAVIOLET SYSTEM

PRODUCT INFORMATION

The Filtrafine FTC Series provides TOC reduction solutions for high volume, ultrapure, waste or reclaim applications.

The series features a compact design that incorporates a UV treatment chamber with an electrical cabinet base that contains all electrical components and instrumentations.

These compact and one-piece UV models are engineered for indoor installation and controlled operating environments.

MATERIALS of CONSTRUCTION

Shell / Flange : 316L stainless steel for liquid contacted

Cover / Legs : 304 stainless steel

Chamber & Sleeve O-rings : Viton(standard)

Perfluoroelastomer(optional)



All lamps and ballasts are CE certificated.



Manufactured under a certificated ISO9001 and ISO14001 quality system.



316L stainless steel for liquid contacted.



Lower maintenance and operational cost.



Maximum Operating Pressure 100 psig.



Maximum Operating Temperature 104°F(40°C).



IP54 Water Resistant.



SPECIFICATION - FTC Series HIGH PERFORMANCE ULTRAVIOLET SYSTEM

MODEL	4HSC	6HSC	8HSC	12HSD	8HLC	12HLD	16HLF	20HLF	24HLG	36HLG	40HLG	44HLH
MAXIMUM FLOW RATE												
TOC REDUCTION @ 99% UVT GPM (CMH)*	5.7 (1.3)	7.5 (1.7)	8.4 (1.9)	17 (3.8)	17 (3.9)	35 (8.1)	78 (17)	87 (19)	121 (27)	138 (31)	140 (31)	173 (39)
TOC REDUCTION @ 95% UVT GPM (CMH)*	5 (1.1)	6.6 (1.5)	7.5 (1.7)	15 (3.4)	15 (3.6)	31 (7.1)	64 (14)	71 (16)	97 (22)	115 (26)	118 (26)	150 (34)
NUMBER of UV LAMPS	4	6	8	12	8	12	16	20	24	36	40	44
ELECTRICAL REQUIREMENTS												
ELECTRICAL SUPPLY	220V/50-60Hz, SINGLE PHASE, 2W + GND											
OPERATION POWER (NOMINAL WATTS)	460	630	800	1140	1360	1980	2600	3220	4020	5880	6500	7120
CONTROLLER / DETECTOR												
LED LAMP STATUS INDICATOR	STANDARD											
TIME METER	STANDARD											
LAMP OUT ALERT (LOA)	STANDARD											
SENSOR (4~20mA SIGNAL)	OPTIONAL											
TREATMENT CHAMBER												
MATERIALS of CONSTRUCTION	316L STAINLESS STEEL for LIQUID CONTACTED											
INTERNAL SURFACE FINISH	Ra 32 (Ra 15 OPTIONAL)											
OPERATING TEMPERATURE °F (°C)	WATER: 40° - 104° (5° - 40°) AMBIENT AIR: 34° - 104° (1° - 40°)											
MAX. OPERATION PRESSURE (PSI)	100											
INLET/OUTLET FLANGE SIZE	$\frac{3}{4}$ " (or 1")	1" (or 1 $\frac{1}{2}$ ")		2" (or 1 $\frac{1}{2}$ ")			3" (or 2", 4")			4" (or 2", 3")		
HOT WATER SANITIZATION °F (°C)	176° (80°)											
INLET/OUTLET FITTING	STANDARD: ANSI OPTIONAL: JIS, MPT, SANITARY, DIN											

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