

FTC Series

HIGH PERFORMANCE ULTRAVIOLET SYSTEM

PRODUCT INFORMATION

The Filtrafine FTC Series provides disinfection and 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 / Flang : 316L stainless steel for liquid contacted

Cover / Leg: 304 stainless steel

Chamber & Sleeve O-rings: Viton (standard)

Perfluoroelastomer (optional)

High Performance UV System



Luxury UV System



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)


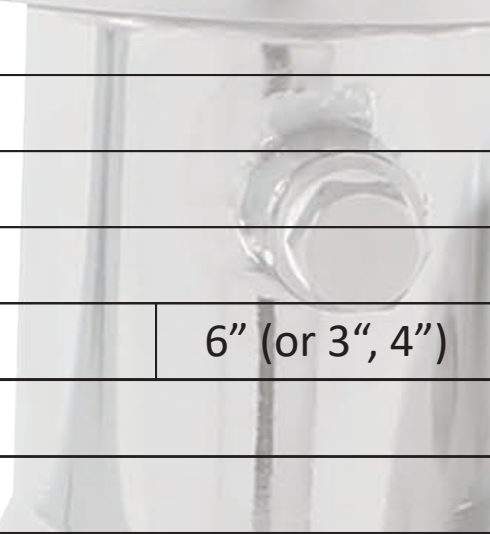


IP54 Water Resistant

FTC Series High Performance UV System

MODEL	2HSB	4HSC	6HSC	8HSC	12HSD	8HLC	12HLD
MAXIMUM FLOW RATE							
99% UVT GPM (CMH) for 30mJ/cm²	44	114	150	168	290	340	700
	(10)	(26)	(34)	(38)	(66)	(77)	(159)
94% UVT GPM (CMH) for 30mJ/cm²	40	100	132	150	250	300	620
	(9.1)	(23)	(30)	(34)	(57)	(68)	(141)
UV LAMP AMOUNT	2	4	6	8	12	8L	12L
ELECTRICAL EQUIPMENTS							
ELECTRICAL SUPPLY	220V / 50Hz-60Hz, SINGLE PHASE, 2W + GND						
OPERATION POWER (WATTS)	290	460	630	800	1140	1360	1980
CONTROLLER / DETECTOR							
LED LAMP STATUS INDICATOR	STANDARD (GREEN + RED LED)						
TIME METER	STANDARD						
LAMP OUT ALERT (LOA)	STANDARD						
SENSOR (4~20mA SIGNAL)	OPTIONAL						
TREATMENT CHAMBER							
CONSTRUCTION MATERIAL	316L STAINLESS STEEL for LIQUID CONTACTED						
INTERNAL SURFACE FINISH µin (µm)	STANDARD Ra32 (0.8 µm) ; OPTINAL Ra 15 (0.5µm)						
OPERATION TEMPERATURE °F (°C)	Water: 40°F ~104°F (5°C~40°C) ; Ambient Air: 34°F ~104°F (1°C~40°C)						
MAX. OPERATION PRESSURE (PSI)	100 psi						
INLET / OUTLET FLANGE SIZE	1.5"	3"			4"		6" (or 2", 3")
HOT WATER SANITIZATION °F (°C)	185°F (85°C)						
INLET / OUTLET FITTING	STANDARD: ANSI 150b ; OPTIONAL: SANITARY I/O						

FTC Series Luxury UV System

MODEL	16HLF	20HLF	24HLG	36HLG	40HLH	44HLH	48HLI
MAXIMUM FLOW RATE							
99% UVT GPM (CMH) for 600mJ/cm²	78	87	121	139	180	182	216
	(17.7)	(19.8)	(27.6)	(31.5)	(40.8)	(41.4)	(49.2)
UV LAMP AMOUNT	16L	20L	24L	36L	40L	44L	48L
ELECTRICAL EQUIPMENTS							
ELECTRICAL SUPPLY	220V / 50Hz-60Hz, SINGLE PHASE, 2W + GND						
OPERATION POWER (WATTS)	2840	3460	4080	5940	6560	7180	7800
CONTROLLER / DETECTOR							
LED LAMP STATUS INDICATOR	<div><div>PTC Monitoring System (PLC-Time UVC Monitoring System)</div><div>or</div><div>LTC Monitoring System (LED-Time UVC Monitoring System)</div></div> 						
TIME METER							
LAMP OUT ALERT (LOA)							
SENSOR (4~20mA SIGNAL)							
TREATMENT CHAMBER							
CONSTRUCTION MATERIAL	316L STAINLESS STEEL for LIQUID CONTACTED						
INTERNAL SURFACE FINISH μin (μm)	STANDARD Ra32 (0.8 μm) ; OPTINAL Ra 15 (0.5μm)						
OPERATION TEMPERATURE °F (°C)	Water: 40°F ~104°F (5°C~40°C) ; Ambient Air: 34°F ~104°F (1°C~40°C)						
MAX. OPERATION PRESSURE (PSI)	100 psi						
INLET / OUTLET FLANGE SIZE	3" (or 2", 4")	4" (or 2", 3")				6" (or 3", 4")	
HOT WATER SANITIZATION °F (°C)	185°F (85°C)						
INLET / OUTLET FITTING	STANDARD: ANSI 150b ; OPTIONAL: SANITARY I/O						