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 cabnet 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





CE

All lamps and ballasts are CE certificated.

SGS

Manufacturered 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

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FTC Series High Performance UV System

MODEL	2HSB	4HSC	6HSC	8HSC	12HSD	8HLC	12HLD			
MAXIMUM FLOW RATE										
99% UVT	44	114	150	168	290	340	700			
GPM (CMH) for 30mJ/cm ²	(10)	(26)	(34)	(38)	(66)	(77)	(159)			
94% UVT	40	100	132	150	250	300	620			
GPM (CMH) for 30mJ/cm ²	(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		9 1912				
SENSOR (4~20mA SIGNAL)				OPTIONAL			APA A			
TREATMENT CHAMBER										
CONSTRUCTION MATERIAL	316L STAINLESS STEEL for LIQUID CONTACTED									
INTERNAL SURFACE FINISH μin (μm)			STANDARD Ra32	(0.8 μm) ; OPTIN	AL 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		1	A A			
INLET / OUTLET FLANGE SIZE	1.5"	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	78	87	121	139	180	182	216		
GPM (CMH) for 600mJ/cm ²	(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						of the latest and the			
TIME METER							A STATE OF THE PARTY OF THE PAR		
		PTC Monitori	ng System		LTC Monitoring	System			
LAMP OUT ALERT (LOA)	(PL		ng System nitoring System)	or (LED	LTC Monitoring -Time UVC Monit				
	(PL		•	or (LED					
LAMP OUT ALERT (LOA)	(PL		•	or (LED					
LAMP OUT ALERT (LOA) SENSOR (4~20mA SIGNAL)	(PL		nitoring System)	or (LED	-Time UVC Monit				
LAMP OUT ALERT (LOA) SENSOR (4~20mA SIGNAL) TREATMENT CHAMBER	(PL		nitoring System) 316L STAINLES	SS STEEL for LIQUI	-Time UVC Monit	oring System)			
LAMP OUT ALERT (LOA) SENSOR (4~20mA SIGNAL) TREATMENT CHAMBER CONSTRUCTION MATERIAL	(PL	.C-Time UVC Moi	nitoring System) 316L STAINLES	SS STEEL for LIQUI (0.8 μm) ; OPTIN	-Time UVC Monit ID CONTACTED AL Ra 15 (0.5μm)	oring System)			
LAMP OUT ALERT (LOA) SENSOR (4~20mA SIGNAL) TREATMENT CHAMBER CONSTRUCTION MATERIAL INTERNAL SURFACE FINISH μin (μm)	(PL	.C-Time UVC Moi	316L STAINLES STANDARD Ra32	SS STEEL for LIQUI (0.8 μm) ; OPTIN	-Time UVC Monit ID CONTACTED AL Ra 15 (0.5μm)	oring System)			
LAMP OUT ALERT (LOA) SENSOR (4~20mA SIGNAL) TREATMENT CHAMBER CONSTRUCTION MATERIAL INTERNAL SURFACE FINISH μin (μm) OPERATION TEMPERATURE °F (°C)	(PL 3" (or 2", 4")	.C-Time UVC Moi	316L STAINLES STANDARD Ra32	SS STEEL for LIQUI (0.8 μm) ; OPTIN 40°C) ; Ambient A	-Time UVC Monit ID CONTACTED AL Ra 15 (0.5μm)	oring System)	6" (or 3", 4")		
LAMP OUT ALERT (LOA) SENSOR (4~20mA SIGNAL) TREATMENT CHAMBER CONSTRUCTION MATERIAL INTERNAL SURFACE FINISH μin (μm) OPERATION TEMPERATURE °F (°C) MAX. OPERATION PRESSURE (PSI)		.C-Time UVC Moi	316L STAINLES STANDARD Ra32	SS STEEL for LIQUI (0.8 μm) ; OPTIN 40°C) ; Ambient A 100 psi	-Time UVC Monit ID CONTACTED AL Ra 15 (0.5μm)	oring System)			

