

FUV Series

HIGH PERFORMANCE ULTRAVIOLET SYSTEM

PRODUCT INFORMATION

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

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 A(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

FUV Series Disinfection UV System

* Dose Level: 30 mJ/cm2 after 9,000 hours of operation

MODEL	1HSA	1HSB	2HSB	2HSC	2HLB	2HSD	2HLC	2HLD	4HLC	6HLC	6HLD	8HLD	8HLE	8HLF	8HLG	10HLG	12HLG	12HLH
MAXIMUM FLOW RATE																		
DISINFECTION @ 94% UVT GPM (CMH)	20 (4.6)	24 (5.4)	40 (9.2)	64 (14)	84 (19)	89 (20)	134 (30)	188 (42)	235 (53)	297 (67)	466 (106)	551 (125)	687 (156)	839 (190)	933 (212)	1130 (257)	1320 (302)	1440 (327)
DISINFECTION @ 99% UVT GPM (CMH)	22 (5)	26 (6)	44 (10)	75 (17)	93 (21)	112 (25)	158 (36)	234 (53)	275 (62)	349 (79)	569 (129)	689 (156)	832 (189)	1150 (262)	1370 (311)	1452 (3330)	1890 (430)	2190 (498)
UV LAMP AMOUNT	1	1	2	2	2	2	2	2	4	6	6	8	8	8	8	10	12	12
ELECTRICAL EQUIPMENTS																		
ELECTRICAL SUPPLY	220V / 50Hz-60Hz, SINGLE PHASE, 2W + GND																	
OPERATION POWER (WATTS)	165		290		430	290	430		740	1050		1360			1670		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 (0.5 μm)																	
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"	1.5"	2"			3"			4"		6"			8"			10"	
HOT WATER SANITIZATION °F (°C)	176°F (80°C)																	
INLET / OUTLET FITTING	STANDARD: ANSI 150b ; OPTIONAL: SANITARY I/O																	