

Barrier™ Ti UV System

Certification/Approvals: UL 1081, NSF-50 Crypto, FCC, FDA, CE, UKCA

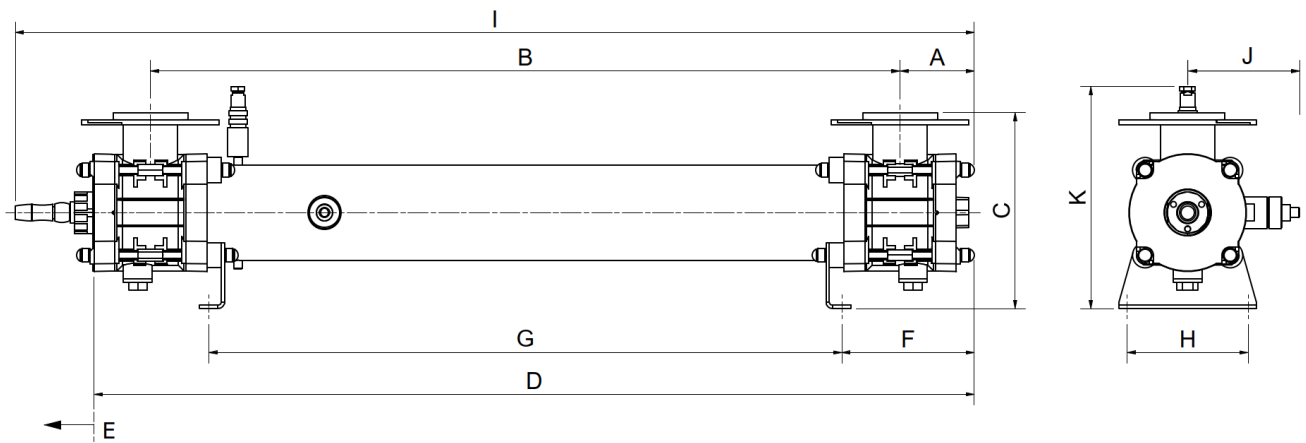


Features	Standard Chamber Specification
Lamp Life	16,000 hours
Lamp design	TWISTLOK™ Quick Release, Enhanced Safety, Low Pressure Amalgam Lamp
Lamp and Wiper Access	Single Ended Access
Operating Pressure	3.5 Bar / 50 PSI
Monitoring	Validated UV Sensor PT100 Temp Sensor
Variable Lamp Power	60-100%
Connection Type	EN1092 / ASME B16.5
Material of Construction	Titanium + PP
Quartz Type	High Purity Quartz Sleeves
Chamber Orientation	Horizontal & Vertical
Chamber Mounting	Fixing Brackets
Branch Orientation	Adjustable (U / Z Shape)
Cleaning	Clean in Place (CIP) ports Optional Manual Wiper System (TI-2200-8 & TI-4200-8 only)
Vent Port	Yes
Drain Port	Yes
Seal Material	EPDM

Features Standard Control Panel Specification

Material	Epoxy Coated Mild steel - RAL 7035
Control Type	Microprocessor
Power supply	Electronic Ballast
Ingress Protection	IP54 / NEMA 12
Ventilation	Forced Air Cooling (excl. TI-1200-4)
Interface	Spectra Membrane
Communication	MODBUS (RS-422 / RS-485)
Protection	GFCI Distribution Breaker (NOT SUPPLIED)
Operating Temperature	Max Working Ambient +45°C / 113°F
Digital Inputs	2 Selectable
Digital Outputs	2 Selectable
Analogue Inputs	1 Selectable
Supply Voltage	120-240V (50/60Hz)
Cable Length	Standard 6 m / 20 ft Optional 10 m / 30 ft & 15 m / 50 ft available

UV System	TI-1200-4	TI-2200-8	TI-4200-8
Number of Lamps	1	2	4
Connection Size (mm/inch)	DN 50 / 2"	DN 100 / 4"	DN 100 / 4"
Power Consumption (W)	130 - 220	265 - 440	530 - 880
Chamber Weight (Dry) (kg / lbs)	7.5 / 16.5	23 / 50.7	24 / 55.1
Chamber Weight (Wet) (kg / lbs)	16.0 / 35.3	57.4 / 126.5	57.1 / 125.9
Panel Weight (kg / lbs)	12.5 / 27.6	15.5 / 34.2	19 / 41.9
Max Flows per NSF (m ³ /h / GPM)	30 / 132	75 / 330	115 / 506



UV System	TI-1200-4	TI-2200-8	TI-4200-8
Chamber Dimensions			
A (mm / inches)	89 / 3.5	128 / 5.0	128 / 5.0
B (mm / inches)	900 / 35.4	845 / 33.3	845 / 33.3
C (mm / inches)	235 / 9.3	360 / 14.2	360 / 14.2
D (mm / inches)	1057 / 41.6	1073 / 42.2	1073 / 42.2
E (mm / inches)	1160 / 45.7	1160 / 45.7	1160 / 45.7
F (mm / inches)	159 / 6.3	236 / 9.3	236 / 9.3
G (mm / inches)	760 / 29.9	630 / 24.8	630 / 24.8
H (mm / inches)	145 / 5.7	210 / 8.3	210 / 8.3
I (mm / inches)	1151 / 45.3	1163 / 45.8	1163 / 45.8
J (mm / inches)	134 / 5.3	197 / 7.8	197 / 7.8
K (mm / inches)	266 / 10.5	374 / 14.7	374 / 14.7
Panel Dimensions			
H (mm / inches)	400 / 15.7	400 / 15.7	400 / 15.7
W (mm / inches)	400 / 15.7	400 / 15.7	400 / 15.7
D (mm / inches)	200 / 7.9	200 / 7.9	200 / 7.9



Unit 1A Hawleys Lane, Warrington, WA2 8JP, UK

+44 300 124 0500

www.evoqua.com

Twistlok and Barrier are trademarks of Evoqua Water Technologies LLC, its subsidiaries or affiliates, in some countries.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Evoqua makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Evoqua assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale, or misuse of its products.

© 2024 Evoqua Water Technologies Subject to change without notice.

DS-BARRIER_TI-EN-DS-0524