

UV System	SX-225-8	SX-425-10	SX-635-16	SX-850-20	SX-1250-20	SX-1873-30
Performance						
3rd Party Validation	USEPA Ultraviolet Disinfection Guidance Manual (UVDGM) 2006					
Validated UVT% Window	>58%	>70%	>70%	>70%	>43%	>70%
Certification	CE Marked					

UV Lamps and Monitoring						
Lamp Power	2.5 kW	2.5 kW	3.5 kW	5.0 kW	5.0kW	7.3 kW
Lamp Number	2	4	6	8	12	18
Lamp Life	9,000 Hours					
Lamp Design	TWISTLOK™ PLUS Connector - Quick Release, Enhanced Safety - Medium Pressure					
UV Monitoring	Validated UV Monitor - AT-900 (calibrated) - IP66					
Variable Power	100% Power to 50% Power (variable automatic dose pacing)					

UV Chamber						
Connection Size (mm/inch)	DN200/8"	DN250/10"	DN400/16"	DN500/20"	DN500/20"	DN800/32"
Connection Type	BS4504 PN10 RF Flange					
Design Pressure	10 Barg Design (15 Barg Test)					
Material Construction	316L Stainless Steel					
Internal / External Finish	0.8 µm Ra / 1.6 µm Ra					
Lamp and Wiper Access	Single Sided Access					
Quartz Type	High Purity Quartz Thimble					
Mounting	Feet (optional)					
Wiper System	Automatic Wiper System (optional)					
Temperature Probe	AT-487 (PT-100) - IP66					
Vent & Drain Ports	Yes					
Ingress Protection	IP66					
Installation	Horizontal or Vertical (Lamps must be horizontal)					
Chamber Options	0.4 µm Ra Internal Polish Upgrade / Electropolish Upgrade / Super Duplex 25% Chrome Steel / Connection Types					

Spectra II / Spectra II Touch - Local Control Cabinet						
Design	Epoxy Coated Mild Steel - IP54 Standard					
Control Type	Microprocessor					
Interface	Soft Touch Push Button with 4 Line Text Display / 7" Touch Screen HMI - Full Colour Display					
Communication	Modbus RTU / Data Stream (other fieldbus options available)					
Lamp Power Supply	Choke		Electronic Ballast			
Power Consumption	5,500 W	11,000 W	23,100 W	44,000 W	66,000 W	144,540 W
Mains Power	400 V (Other Voltages Available)					
Power Requirements	3 Phase + Neutral + Earth					
Frequency	50 Hz / 60 Hz					
Protection	Door locked isolator , MCB & Earth Leakage Protection					
Operating Temperature	Max Working Ambient +45 °C					
Operational Information	Spectra II			Spectra II Touch		

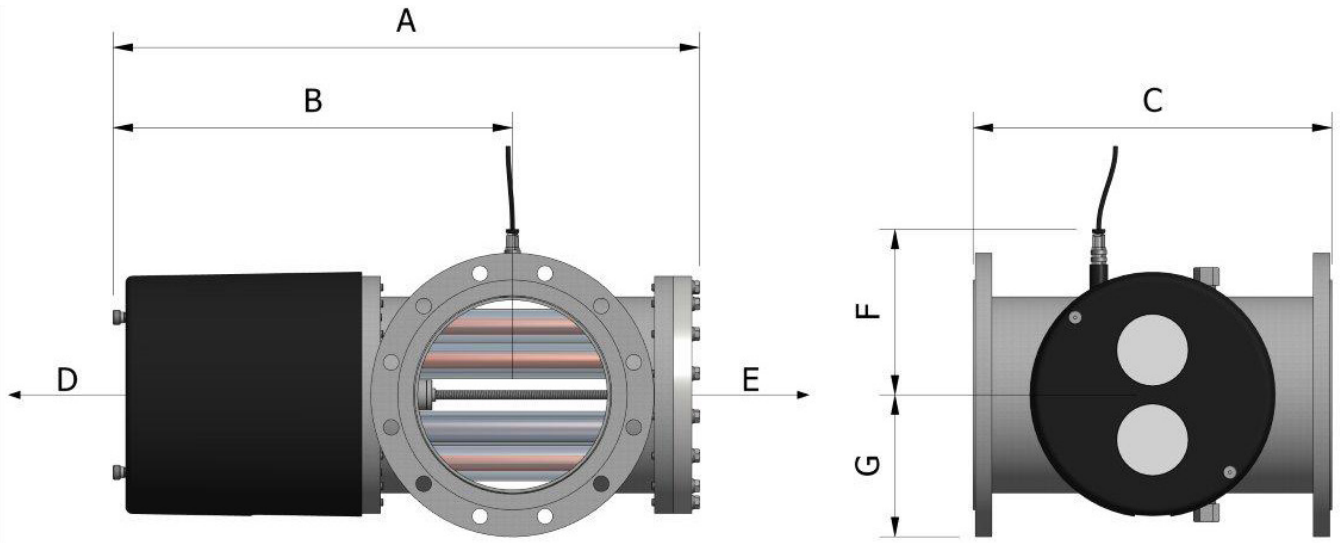
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ATG-UV DISINFECTION SYSTEMS

TECHNICAL DATA SHEET

SX - MEDIUM PRESSURE SYSTEMS

KEY FOOTPRINT DIMENSIONS



For full dimensions please see the specific GA drawing.

UV System	SX-225-8	SX-425-10	SX-635-16	SX-850-20	SX-1250-20	SX-1873-30
Chamber Dimensions						
A	818 mm	818 mm	922 mm	1070 mm	1080 mm	1,490 mm
B	559 mm	557 mm	608 mm	680 mm	695 mm	845 mm
C	400 mm	500 mm	600 mm	800 mm	800 mm	1,340 mm
D	350 mm	350 mm	350 mm	450 mm	450 mm	650 mm
E	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm
F	204 mm	230 mm	290 mm	358 mm	358 mm	515 mm
G	170 mm	203 mm	290 mm	358 mm	358 mm	515 mm
Dry Weight	71 kg	98 kg	210 kg	391 kg	391 kg	905 kg
Wet Weight	93 kg	132 kg	292 kg	568 kg	568 kg	1605 kg

Panel Dimensions		Spectra II			Spectra II Touch	
Width	740 mm	940 mm	740 mm	740 mm	1000 mm	2000 mm
Height	1000 mm	1400 mm	1300 mm	1600 mm	2000 mm	2000 mm
Depth	340 mm	340 mm	660 mm	660 mm	650 mm	650 mm
Weight	110 kg	250 kg	155 kg	200 kg	380 kg	840 kg
Standard Cable Length	5m					
Max Cable Distance*	20 m	20 m	20 m	20 m	20 m	40 m

*It may be possible to extend the cable length beyond the figures given, if this is required please contact us for details