UV DISINFECTION SYSTEMS

Elektravägen 53
SE-126 30 Hägersten, Sweden
+46 10 252 30 00
www.mellifiq.com

Saniray Zeeron E-Series

Saniray's Zeeron E-series is engineered for superior performance in low UV transmittance conditions, these systems are adaptable to various industries, including food & beverage, pharmaceuticals, healthcare, electronics, beverage production, and aquaculture.

With energy-efficient UV light sources and variable power options, they offer cost-effective treatment while ensuring seamless integration. Plus, customizable features and an optional automatic wiper system streamline maintenance, making them the ideal solution for demanding water treatment needs.

Experience market leading UV disinfection technology with Saniray's Zeeron E-series UV Disinfection system, designed to exceed expectations and ensure the highest standards of water treatment efficiency and effectiveness.

Choose our Zeeron E-series range when you require high flow capacities while maintaining long lamp life time with amalgam low-pressure UV lamps.

The E-series offers high UV irradiance and dose with minimal power consumption.

Benefits

- Single sided maintenance / access
- Quick release enhanced safety Twistlok™ Lamps
- Robust, chemical free automatic wiper system
- Lamp changes without removing wiper motor
- Wiper rings can be replaced without removing wiping carriage from chamber
- Designed for industrial applications

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Saniray Zeeron E-series - 800 WATT AMALGAM SYSTEMS

UV System	E1	E2	E3	E4	E5	E6
3rd party validation	USEPA UVDGM (2006)			NWRI 3rd Edition (2012)		
Certification	CE Marked					
UV Lamps and Monitoring						
Lamp power	800 W	800 W	800 W	800 W	800 W	800W
Lamp number	1	3	6	16	30	45
Lamp life	16,000 hours					
Lamp design	TWISTLOK™ PLUS Connector - Quick release, Enhanced saftey - 800 Watt high output Amalgam low pressure					
Validated UV monitoring	Validated UV monitor - AT-900 (calibrated) - IP66					
Variable power	100% power to 30% power (variable automatic dose pacing)					
UV Chamber						
Connection size (mm/inch)	DN200/8"	DN200/8"	DN250/10"	DN400/16"	DN500/20"	DN500/20"
Connection type	BS4504 PN10 RF Flange					
Design pressure	7 Barg Design (10.5 Barg test)					
Material construction	316L Stainless Steel					
Internal / external-finish	0.8 µm Ra internal / Bead blasted					
Lamp and wiper access	Single ended access					
Quartz type	High purity quartz thimble					
Mounting	Legs					
Wiper system	Automatic wiper system					
Temperature probe	AT-487 (PT-100) - IP66					
Vent & drain ports	Yes					
Access hatch	Yes					
Ingress protection	IP66					
Installation	Horizontal					
Chamber options	Electropolish upgrade / super duplex 25% chrome steel / connection types					

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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			7" touch screen HMI - full colour display		
Communication options	Ethernet / modbus RTU / Data Stream (other fieldbus options available)					
Lamp power supply	800 Watt electronic ballast					
Power consumption	880 W	2,649 W	5,280 W	14,080 W	26,400 W	39,600 W
Mains power	230 V (other voltages available)			400 V (other voltages available)		
Power requirements	1 phase + neutral + earth			3 phase + neutral + earth		
Frequency	50 Hz (60 Hz Optional)					
Protection	Door locked isolator, MCB protection					
Operating temperature	Max working ambient +45 °					
Operational information	Spectra II			Spectra II touch		

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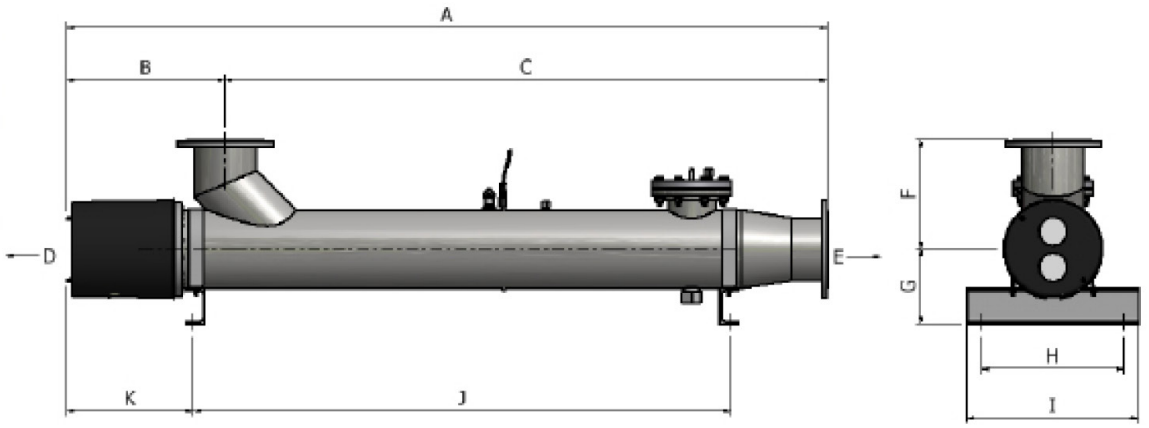
UV System	E1	E2	E3	E4	E5	E6
Chamber Dimensions						
A	2144 mm	2587 mm	2796 mm	3079 mm	3092 mm	3092 mm
B	405 mm	479 mm	586 mm	666 mm	806 mm	705 mm
C	1590 mm	2108 mm	2210 mm	2413 mm	2286 mm	2388 mm
D	1729 mm	1760 mm	1640 mm	1640 mm	1640 mm	1640 mm
E	250 mm	N/A	N/A	N/A	N/A	N/A
F	225 m	381 mm	483 mm	635 mm	889 mm	889 mm
G	147 mm	275 mm	350 mm	379 mm	506 mm	506 mm
H	-	250 mm	350 mm	700 mm	900 mm	900 mm
I	-	300 mm	400 mm	800 mm	1000 mm	1000 mm
J	-	1750 mm	1725 mm	Adjustable	Adjustable	Adjustable
K	-	479 mm	475 mm	479 mm	493 mm	493 mm
Dry weight	64 kg	175 kg	335 kg	460 kg	1145 kg	1032 kg
Wet weight	100 kg	285 kg	640 kg	1110 kg	2330 kg	2080 kg

Panel dimensions	Spectra II	Spectra II		Spectra II Touch		
Width	740 mm	740 mm	940 mm	1400 mm	2000 mm	2600 mm
Height	600 mm	1000 mm	1400 mm	2000 mm	2000 mm	2000 mm
Depth	250 mm	340 mm	340 mm	600 mm	600 mm	600 mm
Weight	50 kg	85 kg	195 kg	680 kg	950 kg	1250 kg
Standard cable length	5 m					
Maximum cable length	35 m					

KEY FOOTPRINT DIMENSIONS



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