

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



© Saniray

**SANIRAY**  
a MELLIFIQ brand



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

## Saniray Zeeron E-series – 800 WATT AMALGAM SYSTEMS

UV System	E1	E2	E3	E4	E5
Performance					
3rd party validation	USEPA UVDGM (2006)				
Certification	CE Marked				
<b>UV Lamps and Monitoring</b>					
Lamp power	800 W	800 W	800 W	800 W	800 W
Lamp number	1	3	6	16	30
Lamp life	16,000 hours				
Lamp design	TWISTLOK™ PLUS Connector - Quick release, Enhanced safety - 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)				
<b>UV Chamber</b>					
Connection size (mm/ inch)	DN200/8"	DN250/10"	DN400/16"	DN600/24"	
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				



© Saniray

**SANIRAY**  
 a MELLIFIQ brand



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

<b>Spectra II / Spectra II touch - local control cabinet</b>					
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
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	

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

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

## KEY FOOTPRINT DIMENSIONS

