

UV DISINFECTION  
SYSTEMS

Elektravägen 53  
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# Saniray Zeeron B-Series

Introducing the Zeeron B-series UV disinfection system, designed to redefine water disinfection standards. Engineered by our team at Mellifiq, these reactors utilize state-of-the-art UV technology to ensure superior purification by eliminating harmful microorganisms from water sources.

The B-series are designed to be used in a wide range of water applications including municipal, industrial, or commercial use. The Zeeron B-series guarantee the highest level of water purity and safety, perfect for food industry and pure water applications. Low-pressure UV ensures low power consumption and long lamp life time.

Our B-series can handle flows up to 40 m<sup>3</sup>/h depending on the applications and required UV dose.



## Benefits

- Up to 1,400 GPM maximum flow rate
- Industrial grade, high-performance water treatment
- Easy maintenance, reduce downtime
- Effective UV treatment resulting in cost-effective disinfection
- Designed for industrial applications

## Zeeron B-series UV System

Common Option Features		
Features	Standard Chamber Specifications	Options
Lamp Life	9,000 Hours	
Technology	Medium pressure	
Lamp design	TWISTLOK™ Quick Release, Enhanced Safety	
Lamp Access	Single Ended Access	
Design Pressure	10 Barg Design (15 Barg Test)	
Sensors	Not as Standard	1 Monitor Package Incl NIST UV Sensor + PT100 Temp Sensor
Power	Fixed	
Connection Type	EN 1092	DIN 32676
Material of Construction	316L Stainless Steel	
Internal / External Finish	0.4 Ra	
Internal / External Surface Treatment	Machine Polish	Electropolish
Quartz Type	High Purity Quartz Sleeves	
Installation/Mounting	Adjustable Inlet/Outlet Orientation Suitable for Vertical Mounting	
Vent Port	Yes	
Drain Port	Yes	
Seal Material	EPDM	FDA Viton



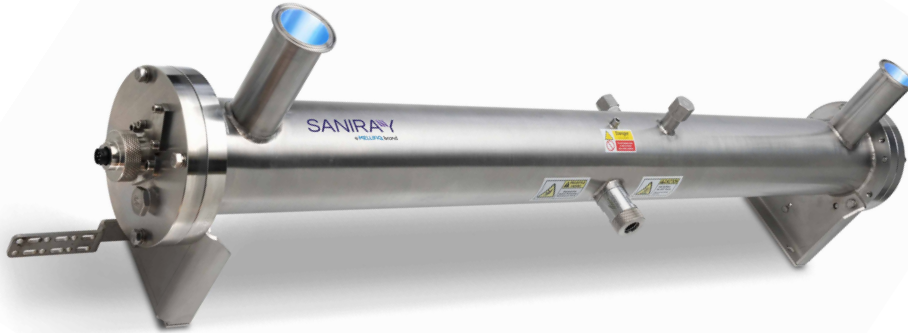
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Common Option Features (continued)		
Features	Standard Control Panel Specifications	Options
Material	Epoxy Coated Mild steel - RAL 7035	Stainless Steel (304)
Control Type	Microprocessor	
Power supply	Electronic Ballast	
Ingress Protection	IP56	
Ventilation	None	
Interface	Spectra Membrane	
Communication	Modbus (RS-422 / RS-485)	Profibus DP
Protection	Door Locked MCB Isolator	
Operating Temperature	Max Working Ambient +40°C	
Digital Inputs	2 selectable	
Digital Outputs	2 selectable	
Analogue Inputs	1 selectable	
Analogue Outputs	1 selectable	
Voltage	200-240V (50/60 Hz)	
Cable Length	10m	15m, 30m

Unique Features			
UV System	B1	B2	B3
Number of Lamps	1	1	2
Connection Size (mm/inch)	DN 50/2"	DN 50/2"	DN 50/2"
Power Consumption (W)	80	80	160

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UV System	Zeeron B1	Zeeron B2	Zeeron B3
<b>Chamber Dimensions</b>			
A (mm / inches)	701 / 27.6	701 / 27.6	701 / 27.6
B (mm / inches)	370 / 14.6	370 / 14.6	370 / 14.6
C (mm / inches)	204 / 8	204 / 8	204 / 8
D (mm / inches)	128 / 5	128 / 5	128 / 5
E (mm / inches)	456 / 18	448 / 17.6	448 / 17.6
F (mm / inches)	137 / 5.4	171 / 6.7	171 / 6.7
G (mm / inches)	89 / 3.5	126 / 4.9	126 / 4.9
H (mm / inches)	688 / 27.1	688 / 27.1	688 / 27.1
J (mm / inches)	250 / 9.8	250 / 9.8	250 / 9.8
K (mm / inches)	170 / 6.7	220 / 8.7	220 / 8.7
L (mm / inches)	120 / 4.7	140 / 5.5	140 / 5.5
M (mm / inches)	155 / 6.1	185 / 7.3	185 / 7.3
N (mm / inches)	175 / 6.9	225 / 8.9	225 / 8.9

**Panel Dimensions**

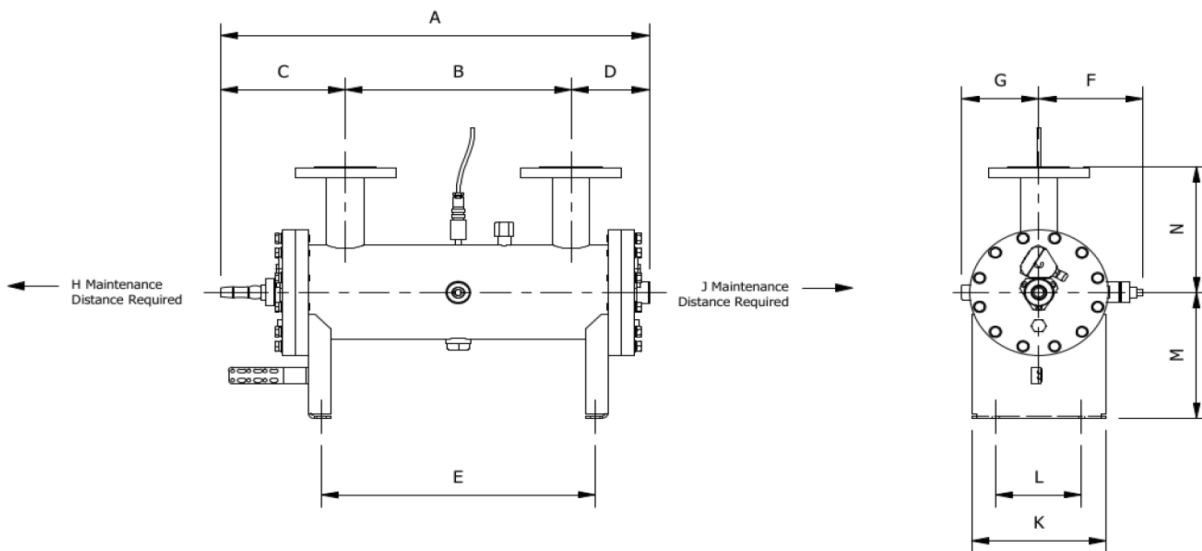
Standard Enclosure

H mm	400
W mm	400
D mm	200

SS/IP56 Enclosure

H mm	400
W mm	400
D mm	210

**DIMENSIONS**



For full dimensions please see specific GA drawing

