



Rolling Stock
series



Potable water that is stored in storage tanks on trains is at risk of being polluted. The Rolling Stock series disinfects this potable water shortly before use to ensure microbiologically safe potable water. The Rolling Stock series meets all market standards, such as shock and vibration

resistance, and the deployment of special cables. This series has been validated according to the NEN-EN 14897 standard and the disinfection performances of the UV systems have been measured.

Characteristics

- Microbiologically validated according to NEN-EN 14897
- Shock and vibration tests according to EN50155 EMC EN61373
- Reliable and effective disinfection
- Low maintenance
- Easy to use

Specifications



Type	RS-090	RS-100	RS-120
UV Chamber			
Material	316L / 1.4404 RVS		
In-/Outlet Connections	0.5" BSP-T	1" BSP-T	
Pressure drop	< 0.1 bar		
Max. Pressure	10 bar at 25°C		
Mounting orientation	Vertical / Horizontal	Vertical / Horizontal	Vertical / Horizontal
Diameter - A (mm)	60	60	89
Height - B (mm)	63	63	77
Installation dimension - C (mm)	390	554	548
Length - D (mm)	522	690	698
Required working space - E (mm)	900	1244	1255
Weight (KG)	3.0	3.7	4.9

UV-C lamp			
Lamp type (low pressure)	18 W Regular	25 W Regular	50 W Regular
Preferred water temp. (°C)	5 °C - 30°C		
Total UV-C output (Watt)	5.7	7	15
Lamp lifespan (hours)	8000		
Number of lamps	1	1	1

Control Unit	
Material	Stainless Steel 316L
Dimensions (lxbxh)	320x180x114mm
Control features	Lamp status, lamp hour counter, system running time, volt free alarm contacts
Operating voltage	230 VAC, 50/60 Hz
Electrical connection	6A C-char./4A D-char.
Protection rating	IP55
Preferred ambient temp. (°C)	5°C - 35°C

Power consumption

At doses 300J/m ²	24,5Wh/m ³	30Wh/m ³	19,4Wh/m ³
At doses 400J/m ²	32,9Wh/m ³	37,5Wh/m ³	24Wh/m ³

Approvals

Complies with:	- Low Voltage Directive (LVD) 2014/35/EU - Electromagnetic Compatibility Directive (EMC) 2014/30/EU - Machinery Directive 2014/42/EC
Validated according to:	NEN-EN 14897:2006 Railway applications EN 61373:2010

Capacities in m³/h at a doses of 300 J/m²

RS-090	0,9m ³ /h at T10 95%
RS-100	1m ³ /h at T10 95%
RS-120	3,1m ³ /h at T10 95%

Capacities in m³/h at a doses of 400 J/m²

RS-090	0,7m ³ /h at T10 95%
RS-100	0,8m ³ /h at T10 95%
RS-120	2,5m ³ /h at T10 95%

