

The UV-8 safe offers an integrated flow-sensor, as well as operational safety through function monitoring with optical signal (LED) and acoustic signal as well as monitoring of the flow sensor function and the external power supply. Designed for integration into point-of-use (POU) applications, It adapts to diverse environments such as drinking water systems, water dispensers, recreational vehicles (e.g caravans), yachts & many more.

Highlights:

- Integrated flow sensor (position independent - usable before inlet or after outlet)
- Intelligent control and monitoring unit via CPU-monitored LED function
- Status messaging via acoustic signaling and signal LED

Technical Data	
Flow rate (max.)	8 l/min (2,1 GPM)
Operating pressure (max.)	6,9 bar (100 psi)
Lifetime	10,000 h (operating mode)
Wavelength	265 nm ± 5
Supply voltage	11 - 30 VDC
Power (max.)	5 W
Recommended water temp.	0 - 40 °C / 32 - 104 °F
Ambient temp. (max.)	0 - 35 °C / 32 - 95 °F
Water connection In/Out	3/8" Tube OD
Materials in contact with water	Housing: PP Chamber: PTFE Sealing: EPDM Plate: Quartz

Table 1: Technical Data

Flow Rate	Dose	Disinfection Performance
2 l/min	40 mJ/cm²	≥ 99,999 % ¹
5 l/min	16 mJ/cm²	≥ 99,99 % ¹
8 l/min	10 mJ/cm²	≥ 99,9 % ¹

¹ E.Coli reduction, measured at turbidity <1 NTU and UVT >98%

Table 3: Dose

Performance

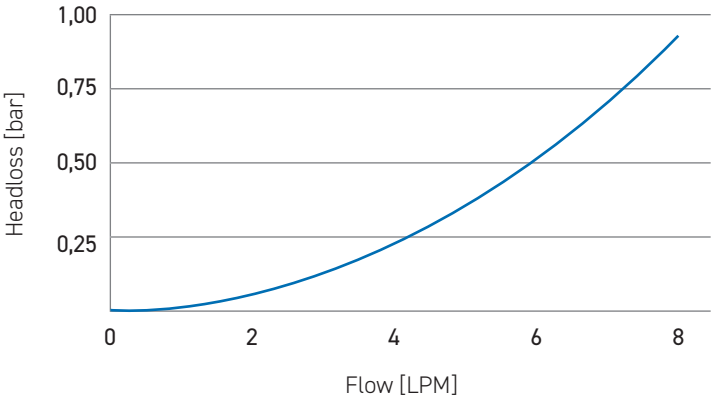


Chart 1: Headloss



Image 1: UV-8 safe

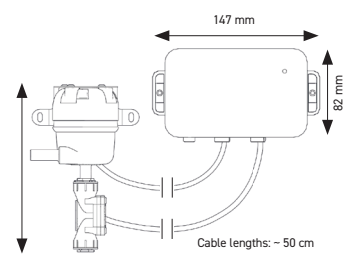
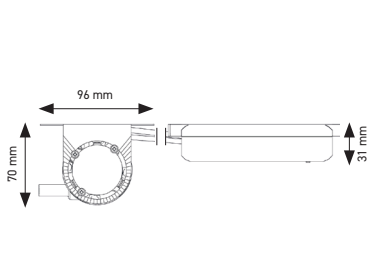
Weight & Dimensions	
Front view	Top view
	
Weight	0,4 kg
Dimensions Reactor (H x W x D)	143 x 96 x 70 mm
Dimensions Information Panel (H x W x D)	82 x 147 x 31 mm
Cable Lengths	~ 50 cm

Table 2: Weight & Dimensions

Operating & Ambient Conditions		
Ambient temp. stockage and transport	min. 0 °C / 32 °F	max. 60 °C / 140 °F
Ambient temp. operating mode	min. 0 °C / 32 °F	max. 35 °C / 95 °F
Humidity operating mode	min. 20 %	max. 80 %

Table 4: Operating & Ambient Conditions

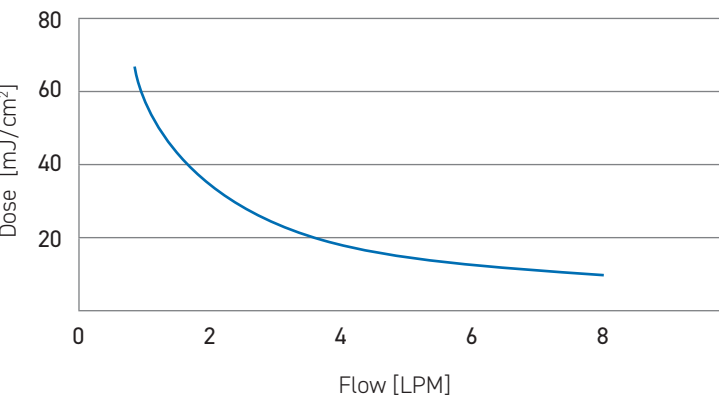


Chart 2: Dose

Installation Orientation:

There are no specific requirements for installation orientation, and it will not impact the performance of the reactor, the flow sensor or the information panel.

Art. No.: UV-8-FS
(1x Reactor UV-8 with pre-installed flow sensor, information panel
(for acoustic and optical signaling))