

The UV-8 eco offers an integrated flow-sensor, as well as operational safety through function monitoring with optical signal (LED). 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 and 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 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

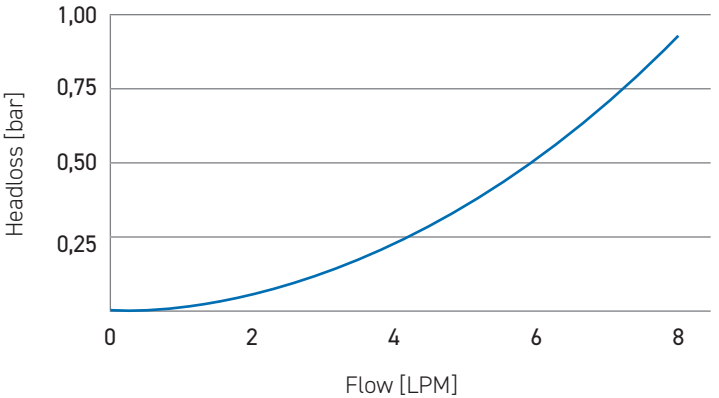


Chart 1: Headloss



Image 1: UV-8 eco

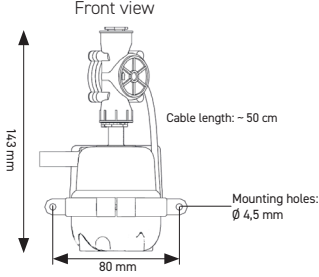
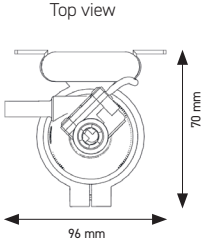
Weight & Dimensions	
Front view	Top view
	
Weight	0,23 kg
Dimensions (H x W x D)	143 x 96 x 70 mm

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

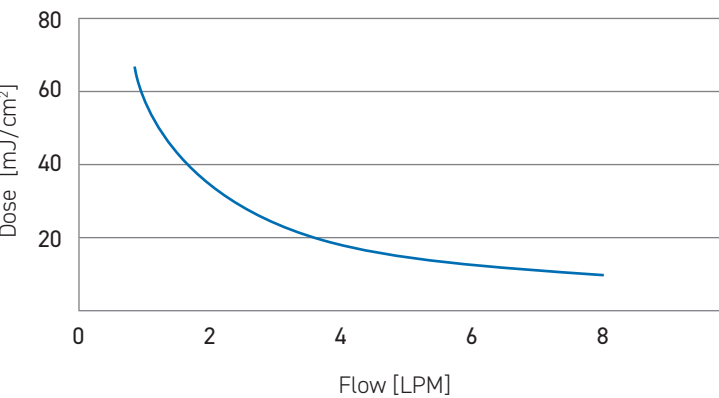


Chart 2: Dose

Wiring

Name	Color	Input / Output	Comment
VDC in	Red	I	11 - 30 VDC
GND	Black	Ground	0 VDC

Table 5: Wiring

Set Content

Art. No.: UV-8-FS
(1x Reactor UV-8 with pre-installed flow sensor, signal LED)

Mounting

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.

Accessoires

Stainless-steel wall mounting adapter (Art. No.: HW-UV-8-VA)
Drinking Water Flow Sensor (Art. No.: DWFS03-10-24)