The UV-8 steel 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
- Intelligent control and monitoring unit via CPU-monitored LED function
- Status messaging via acoustic signaling and signal LED
- Robust stainless steel housing

Image 1: UV-8 steel

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 (inside reactor): PP Chamber (inside reactor): PTFE Sealing (inside reactor): EPDM Plate (inside reactor): Quartz

Table 1: Technical Data

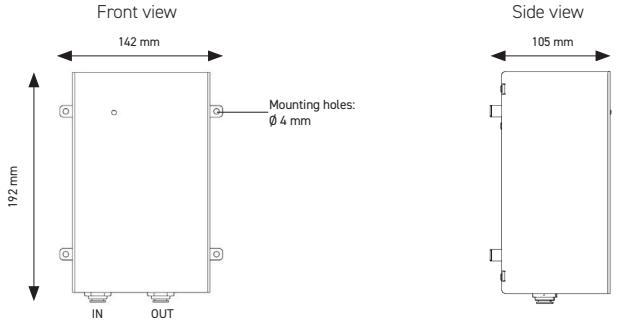
Weight & Dimensions	
Front view / Side view	
Weight	1,3 kg
Dimensions (H x W x D)	192 x 142 x 105 mm

Table 2: Weight & Dimensions

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

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

Performance

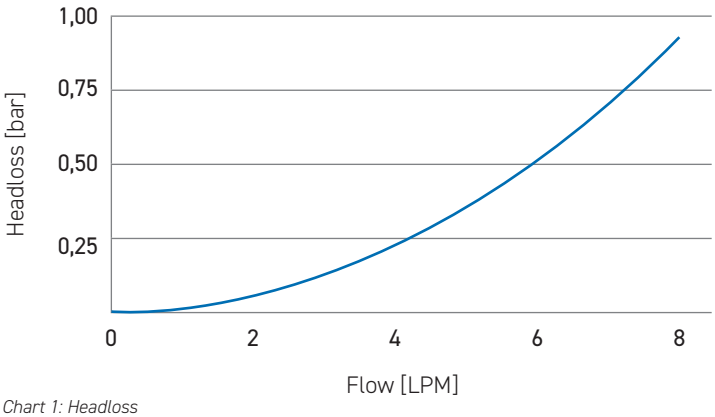


Chart 1: Headloss

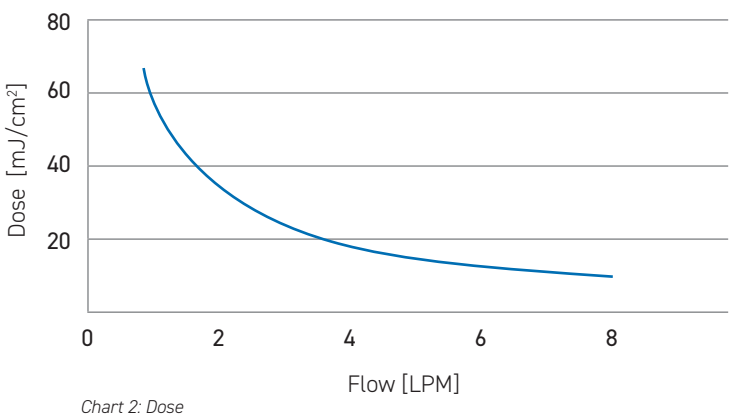


Chart 2: Dose

Set Content

Art. No.: UV-8-STEEL (1x Reactor UV-8 with pre-installed flow sensor and acoustic and optical signaling in stainless steel housing)