# Data sheet

# PURION 2000 For 110 - 240 V 50 - 60 Hz

# DESCRIPTION

The PURION 2000 unit is available in electropolished stainless steel. It is used for the disinfection of drinking water for flow rates of up to 2000 I/h and a transmission (or turbidity) of the water of at least 90% per cm.

# Available power supplies

110-240V AC with wide voltage ballast

# **OPTIONAL MONITORING LEVELS**

**Basic (without monitoring option)** 

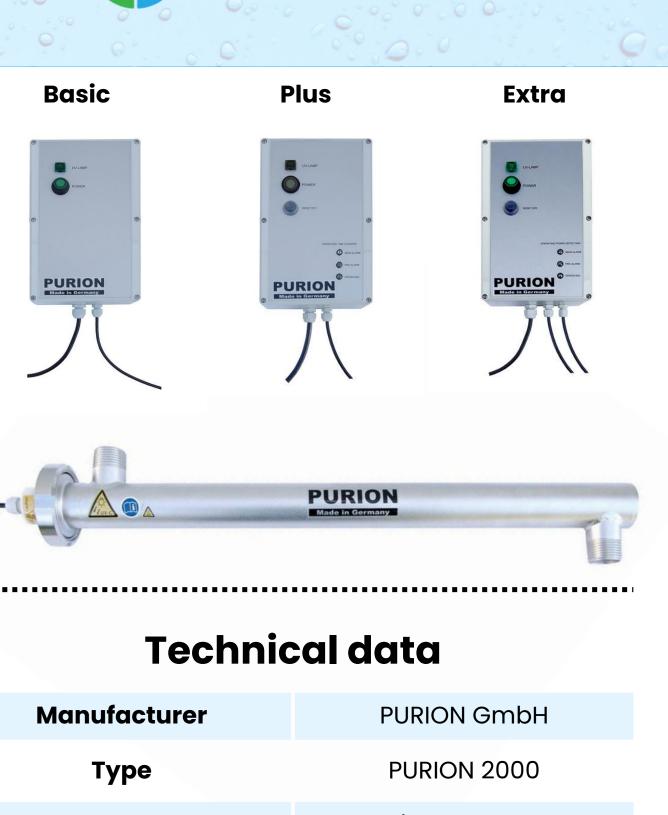
# Plus (OTC/lifetime monitoring)

The UV-C lamp has a natural drop in performance over the duration of its service life (10,000h). After this time, the lamp must be changed, the lamp runtime meter and the lifetime monitoring (OTC) signal the right time. The hours in which the lamp is switched on are counted and the values are output via an LED display. Up to 9,000 hours a green LED lights up, between 9,000 and 10,000 hours the pre-alarm is indicated by a yellow LED and after 10,000 hours a red LED lights up.

# Extra (OPD/sensor monitoring)

For safe control of the UV-C lamp, sensor monitoring is integrated in this system. Via a sensor mounted in the centre of the stainless steel reactor, the UV-C output of the lamp is permanently measured and output via an LED display. If the UV-C lamp has more than 70% of the starting intensity, a green LED lights up, between 50 and 70% a yellow LED lights up as a pre-alarm and below 50% a red LED lights up. Should the display be on red, there is no longer enough UV-C intensity present to ensure the promised flow.





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TypePURION 2000Throughput2000l/h drinking waterUVC transmission90% Tl cmWater temperature2°C to 40°CReactorStainless steel 1.4571

#### Ultra (sensor monitoring + solenoid valve)

In addition to sensor monitoring, a solenoid value is also integrated for absolute safety. As soon as the red LED lights up, the additionally installed solenoid value closes automatically so that there is no danger for the user. This solenoid value is currentless and therefore closes fully automatically even in the event of a power failure.

#### Scope of delivery

- UV disinfection system
- UV lamp (48 W)
- Operating instructions

External connection thread	R 1"
Seal	FPM
Dimensions (LxW in mm)	578 x 42
<b>Flange distance</b>	500 mm
Weight	"2.8 kg""
Lamp service life	10.000h
Number of radiators	1
Dose	400J/m²
<b>Temperature Max</b>	40°C
<b>Enclosure protection</b>	IP 65
<b>Electrical connection</b>	110 - 240V AC 50Hz/60Hz
Power	48 W
<b>Fuse protection</b>	10A

#### Contact

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