



PURION 1000 For 12 V/24 V 50 – 60 Hz

DESCRIPTION

The popular PURION 1000 is suitable for disinfecting up to 1000 l of drinking water per hour. Its size and power connection make it very easy to integrate into existing water circuits. With rising water prices and expensive connection fees, self-supply with drinking water is more than just a mere alternative.

Available power supplies

- 12V DC or 24V DC for mobile use
- 110-240V AC with wide voltage ballast (other switch box design)



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.

Ultra (sensor monitoring + solenoid valve)

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

Scope of delivery

- UV disinfection system
- UV lamp (17 W)
- Operating instructions

Basic



Plus



Extra



Technical data

Manufacturer	PURION GmbH
Type	PURION 1000
Throughput	1000l/h drinking water
UVC transmission	90% T1 cm
Water temperature	2°C to 40°C
Reactor	Stainless steel 1.4571
External connection thread	R 1"
Seal	FPM
Dimensions (LxW in mm)	420x42
Flange distance	340mm
Weight	2 kg
Lamp service life	10.000h
Number of radiators	1
Dose	400J/m ²
Temperature Max	40°C
Enclosure protection	IP 65
Electrical connection	12V DC or 24V DC 50/60 Hz
Power	17W
Fuse protection	10A

Contact

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