



PURION 500

For 12/24 V

50 – 60 Hz

DESCRIPTION

Due to the length of only 32cm, this unit fits into even the smallest water treatment chain of a mobile home or vacation cabin. The reliable disinfection of the drinking water is guaranteed. With rising water prices and expensive connection fees, self-supply with drinking water is more than a mere alternative.

Available power supplies

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

OPTIONAL MONITORING LEVELS

Basic (without monitoring option)

Plus (OTC/lifetime monitoring)

The UV-C lamp has a natural power decrease over the duration of its lifetime (10,000h). After this time, the lamp must be replaced, 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 center 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 to ensure the promised flow.

Ultra (sensor monitoring + solenoid valve)

In addition to the sensor monitoring, a solenoid valve is also integrated for absolute safety. As soon as the red LED lights up, the additionally installed solenoid valve is automatically closed 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 (10 W)
- Instruction manual

Basic



Plus



Extra



Technical data

Manufacturer	PURION GmbH
Type	PURION 500
Throughput	400l/h drinking water
UVC transmission	90% T1 cm
Water temperature	2°C to 40°C
Reactor	stainless steel 1.4571
Connection external thread	R 1/2"
Seal	FPM
Dimensions (LxW in mm)	320x42
Flange distance	255 mm
Weight	2 kg
Radiator service life	10.000h
Number of emitters	1
Dose	400J/m ²
Temperature Max	40°C
Housing protection	IP 65
Electrical connection	12V/24V DC 50Hz/60Hz
Power	10W
Fuse protection	10A

Contact

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