



## PURION 500 Für 110 – 240 V 50 – 60 Hz

### DESCRIPTION

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

### Available power supplies

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



### 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 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 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.

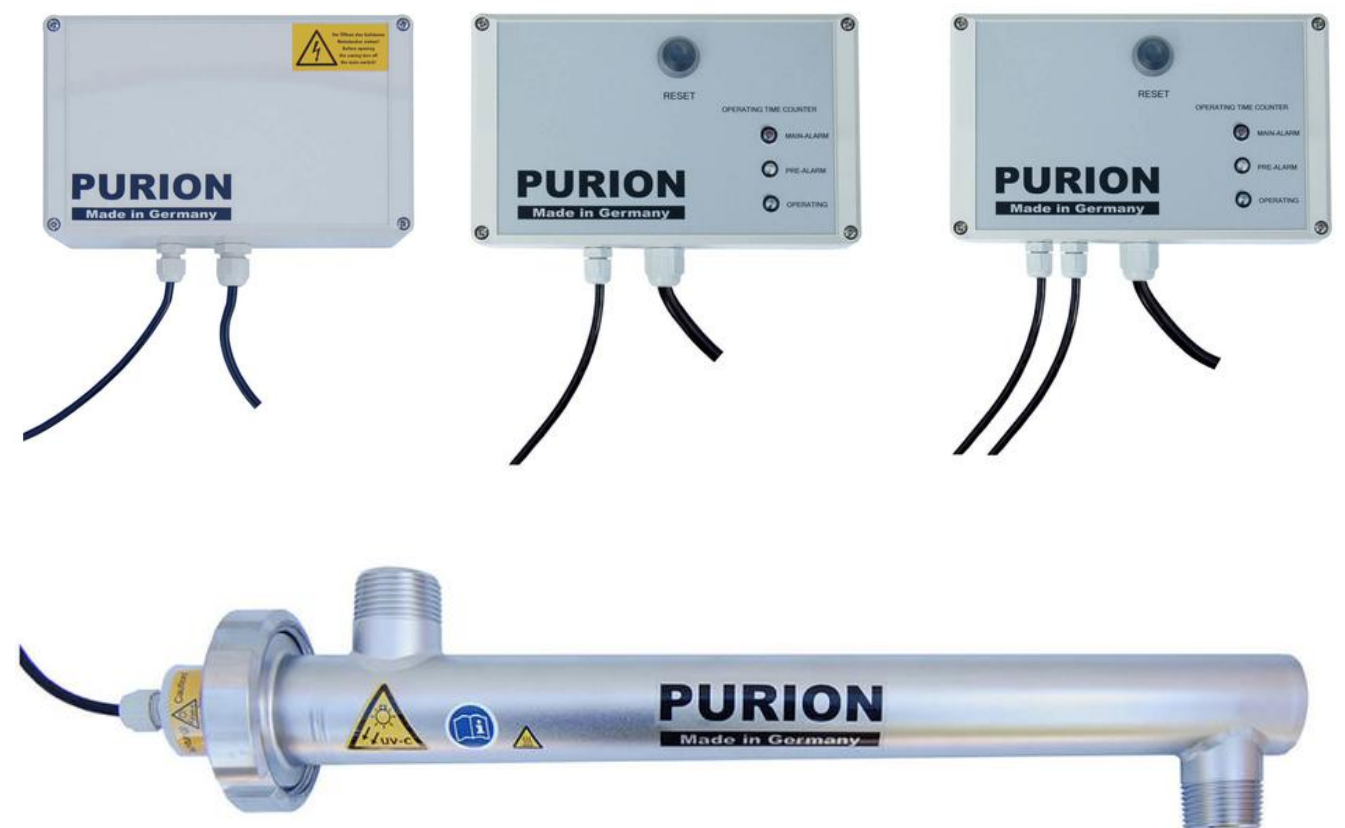
### Scope of delivery

- UV disinfection system
- UV lamp (10 W)
- Operating instructions

### Basic

### Plus

### Extra



## Technical data

<b>Manufacturer</b>	PURION GmbH
<b>Type</b>	PURION 500
<b>Throughput</b>	400l/h drinking water
<b>UVC transmission</b>	90% T1 cm
<b>Water temperature</b>	2°C to 40°C
<b>Reactor</b>	Stainless steel 1.4571
<b>External connection thread</b>	R 1/2"
<b>Seal</b>	FPM
<b>Dimensions (LxW in mm)</b>	320x42
<b>Flange distance</b>	255 mm
<b>Weight</b>	2 kg
<b>Lamp service life</b>	10.000h
<b>Number of radiators</b>	1
<b>Dose</b>	400J/m <sup>2</sup>
<b>Temperature Max</b>	40°C
<b>Enclosure protection</b>	IP 65
<b>Electrical connection</b>	110 – 240V AC 50Hz/60Hz
<b>Power</b>	10W
<b>Fuse protection</b>	10A

### Contact

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