



## PURION 2501 For 110 – 240 V 50 – 60 Hz

### DESCRIPTION

The PURION 2501 purifies pool water in an ecologically and economically sensible way using the principle of UV-C disinfection: algae are specifically killed. The PURION 2501 is suitable for a pool of up to 50m<sup>3</sup>. The physical process of UV-C disinfection destroys the DNA compounds of the algae and bacteria and the dead material is collected by backwash or sand filters. This process protects health, the environment and the wallet benefits from low follow-up costs.

### 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.

### Scope of delivery

- UV disinfection system
- UV lamp (90 W)
- Operating instructions

### Basic



### Plus



### Extra



## Technical data

<b>Manufacturer</b>	PURION GmbH
<b>Type</b>	PURION 2501
<b>Throughput</b>	14 m <sup>3</sup> /h pool 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 1/2"
<b>Seal</b>	FPM
<b>Dimensions (LxW in mm)</b>	928 x 85
<b>Flange distance</b>	810 mm
<b>Weight</b>	5 kg
<b>Lamp service life</b>	10.000h
<b>Number of radiators</b>	1
<b>Dose</b>	300 J/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>	90W
<b>Fuse protection</b>	10A

### Contact

info@uvconcept.com  
Tel: +49 3641 327 9697  
Fax: +49 3641 327 9697 9

### UV Concept GmbH

Thomas-Mann-Straße 27  
07743 Jena  
www.uvconcept.com



Official PURION Distributor  
**PURION**  
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UVC-Desinfection  
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