



PURION 2001

For 110 – 240 V
50 – 60 Hz

DESCRIPTION

A modern process that makes much more sense both ecologically and economically is based on the physical principle of UV-C disinfection. In this process, a UV-C disinfection system installed in the water circuit specifically illuminates the water with UV-C light. This dissolves the DNA compounds of algae, causing them to die. This does not affect the smell, taste or composition of the water. These are precisely the positive effects that the PURION 2001 combines. The benefits of this system are manifold: on the one hand, it is easy on the wallet due to low running costs, and on the other, red eyes and other effects of chlorine or other chemicals on the human body are a thing of the past.

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 power decrease over the duration of its lifetime (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 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.

Scope of delivery

- UV disinfection system
- UV lamp (48 W)
- Instruction manual



Basic



Plus



Extra



Technical data

Manufacturer	PURION GmbH
Type	PURION 2001
Throughput	8 m ³ /h pool water
UVC transmission	90% T1 cm
Water temperature	2°C to 40°C
Reactor	stainless steel 1.4571
Connection external thread	R 1 1/2"
Seal	FPM
Dimensions (LxW in mm)	578 x 85
Flange distance	460 mm
Weight	4 kg
Radiator service life	10.000h
Number of emitters	1
Dose	300 J/m ²
Temperature Max	40°C
Housing protection	IP 65
Electrical connection	110 – 240V AC 50Hz/60Hz
Power	48 W
Fuse protection	10A

Contact

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