



PURION 1000 PRO

For 110 – 240 V

50 – 60 Hz

DESCRIPTION

The PURION 1000 Pro unit is suitable for disinfecting emulsions and fuels. Especially emulsions, which are needed in the cooling and lubricant sector, can easily tip over, also due to modern water-based compositions. This results in a high level of chemicals being added to these fluids, which is not only harmful to the environment and expensive, but also affects the health of users of these machines. PURION 1000 Pro solves this problem with UV-C light. This involves illuminating these liquids with UV-C radiation, which reliably kills germs, viruses and bacteria. The low liquid film thickness of only 2mm allows disinfection of liquids with very high densities. Service water can be disinfected at 1,000 l/h, emulsions at 700 l/h.

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 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.

Scope of delivery

- UV disinfection system
- UV lamp (17 W)
- Instruction manual

Basic



Plus



Technical data

Manufacturer	PURION GmbH
Type	PURION 1000 PRO
Throughput	1000 l/h industrial water, 700 l/h emulsions
UVC transmission	> 20% T1 cm
Water temperature	2°C to 40°C
Reactor	stainless steel 1.4571
Connection external thread	R 1"
Seal	FPM
Dimensions (LxW in mm)	420x42
Flange distance	340 mm
Weight	2,8 kg
Radiator service life	10.000h
Number of emitters	1
Dose	400J/m ²
Temperature Max	40°C
Housing protection	IP 65
Electrical connection	110 – 240V AC 50Hz/60Hz
Power	17W
Fuse protection	10A

Contact

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Official PURION Distributor
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