



PURION 500 PRO

For 110 – 240 V

50 – 60 Hz

DESCRIPTION

Liquids such as coolant and lubricant emulsions as well as fuels can easily tip over and spoil. This can damage machines, for example by clogging fine nozzles with mold or algae particles. Harmful chemicals are often used to prevent this, but this is not only harmful to the environment but also expensive. These high-density liquids can be reliably disinfected by UV-C radiation with the PURION 500 Pro system.

The liquid film thickness is only 2mm, which means that UV performance does not suffer even with low UV transmission. Service water can be disinfected at 300 l/h, emulsions at 200 l/h. PURION 500 can be maintained without tools, which concerns both cleaning and the installation of spare parts.

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 (10 W)
- Instruction manual

Basic



Plus



Technical data

Manufacturer	PURION GmbH
Type	PURION 500 PRO
Throughput	"300 l/h industrial water, 200 l/h emulsions".
UVC transmission	> 20% T1 cm
Water temperature	2°C to 40°C
Reactor	stainless steel 1.4571
Connection external thread	R 1/2"
Seal	FPM
Dimensions (LxW in mm)	320x42
Flange distance	255 mm
Weight	2,2 kg
Radiator service life	10.000h
Number of emitters	1
Dose	400J/m ²
Temperature Max	40°C
Housing protection	IP 65
Electrical connection	110 – 240V AC 50Hz/60Hz
Power	10W
Fuse protection	10A

Contact

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