

PURION 1000 DUAL

...is characterized by compact construction and a high degree of efficiency respecting to disinfection and energy consumption. The construction design follows laws, standards and regulations.



Figure: PURION 1000 DUAL

The pre-assembled UV plant PURION 1000 DUAL extends the capacity and application options of the single plant PURION 1000.

As usual the UV plant can be optionally equipped with an Operating Time Counter (OTC) or an Operating Power Detection (OPD).

Several configuration options are possible to meet specific requirements.

Optionally the PURION 1000 DUAL can be equipped with the PURION Installation system DUAL 1. By use of this system a space saving wall fastening can be easily realized.

The used UV-lamps are characterized by a long durability and a high degree of efficiency respecting to disinfection and energy consumption. The power supply is carried out with 110-240 V 50/60 Hz or 12 VDC or 24 VDC.

The compact construction design enables an easy replacement of the UV lamp at the end of their useful life. You don't need any tool. Also replacement and cleaning of the quartz pipe can be arranged easily.

manufacturer	PURION® GmbH
type	PURION 1000 DUAL
flow rate	2 m³/h
UVC-Transmission	90% T ₁ cm
temperature of water	2°C - 40°C
reactor	stainless steel 1.4571
flanges external thread	R 1"
seal	FPM
dimensions (L x Ø in mm)	420 x 42 (2 x)
distance flanges	340 mm
weight	12,0 Kg
life time of lamps	10.000 h
number of lamps	2
dose	400 J/m²
temperature max	40°C
max. working pressure	10 bar
protective system	IP 65
electrical connection	110-240 V 50/60 Hz 12 V DC or 24 V DC
total power	2 x 17 W
over current protection	10 A

This UV-plant is applied at:

drinking water	•
water of air conditioning	•
disinfection of permeate	•
pharmacy	•

Configuration options

I DUAL Basic	simultaneous switching
II DUAL OTC	simultaneous switching
III DUAL OPD	simultaneous switching
IV DUAL OTC Professional	separately switchable protection system
V DUAL OPD Professional	separately switchable protection system
VI DUAL OPD Ultra	simultaneous switching analysis of a sum signal

Advantages

- additional chemicals are not required for disinfection
- smell and taste of the water is not influenced by radiation
- manageable maintenance
- small operation expenses