

PURION 2001 for water-disinfection

...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.



UV Plant PURION 2001 is equipped with a polished stainless steel reactor. PURION 2001 can be used to disinfect pool water up to a Volume of 30.000 l and for a transmission of at least 90% per cm. To ensure the required transmission a preliminary filter could be necessary. Other applications are fish ponds up to a volume of 30.000 l at continuous recirculation.

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 can be carried out with 230 V/50 Hz or 110 V/60 Hz.

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. UV disinfection is reached by floating the water through the reactor.

Inside the reactor an UV lamp enclosed in a UV-C transparent quartz pipe is surrounded by the water to be treated.

The small distance of 27,5 mm between the quartz pipe and the inner surface of the reactor ensures optimal irradiation and therefore optimal disinfection of the water.

manufacturer	PURION® GmbH
type	PURION 2001
flow rate	8 m³/h pools/ponds up to 30.000 l
UVC-transmission	90% T ₁ cm
temperature of water	8°C to 40°C
reaktor	stl. steel 1.4571
flanges external thread	R 1 1/2"
seal	FPM
dimensions (L x Ø in mm)	578 x 85
distance flanges	460 mm
weight	4,1 Kg
life time of lamps	10.000 h
number of lamps	1
dose	300 J/m²
temperature max	40°C
max. working pressure	10 bar
protective system	IP 65
electrical connection	110-240 V 50/60 Hz (optionally)
total power	48 W
over current protection	10 A

This UV-plant is applied at:

Drinking water
Water of air conditioning
Disinfection of permeate
Pools
Aquariums
Fish ponds
Storm water of sewage plants
Pharmacy
Greenhouse
Water of domestic use

Advantages

- additional chemicals are not required for disinfection
- no change of hydro chemistry
- smell and taste of the water are not influenced by radiation
- installation in conveyor lines
- less required space
- manageable maintenance, small operation expenses