

PURION 2501 H PVC-U 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 2501 H is equipped with a PVC reactor. PURION 2501 can be used to disinfect pool water up to a Volume of 50.000 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

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 drinking 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 2501 H
flow rate	21 m³/h
UVC-transmission	90% T ₁ cm
temperature of water	8°C to 40°C
reaktor	PVC
flange with adhesive sleeve	Ø 50 mm
seal	FPM
dimensions (L x Ø in mm)	928 x 100
distance flanges	710 mm
weight	8 Kg
life time of lamps	8.000 h
number of lamps	1
dose	300 J/m²
temperature max	40°C
max. working pressure	5 bar
protective system	IP 65
electrical connection	110-240 V 50/60 Hz
total power	106 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

- safe protection against legionella
- 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