

## PURION 2500 90W PRO for disinfection of process water

...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 2500 90W PRO is equipped with a polished stainless steel reactor. PURION 2500 90W PRO can be used to disinfect water of domestic use up to a flow rate of 3.500 l/h and a transmission of least less than 90% per cm.

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 optionally 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 process water to be treated. The small distance of 2 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 2500 90W PRO
flow rate	3,5 m³/h process water 1,5 m³/h emulsion
UVC-transmission	> 20%
temperature of water	2°C to 40°C
reactor	stainless steel 1.4571
flanges external thread	R 1"
seal	FPM
dimensions (L x Ø in mm)	928 x 42
distance flanges	850 mm
weight	3,4 Kg
life time of lamps	10.000 h
number of lamps	1
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
total power	90 W
over current protection	10 A

### This UV-plant is applied at:

Drinking water	
Water of air conditioning	•
Disinfection of permeate	•
Emulsion for cooling and lubrication	•
Aquariums	
Fish ponds	
Storm water of sewage plants	•
Pharmacy	
Greenhouse	•
Water of domestic use	•

### Advantages

- disinfection without chemicals
- due to biological methods there is no ecological damage
- manageable maintenance
- small operation expenses