PURION®
the best solution

PURION 1000 H 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.

manufacturer	PURION® GmbH
type	PURION 1000 H
flow rate	1,5 m³/h
UVC-transmission	90% T_1 cm
temperature of water	up to 90°C
reactor	stainless steel 1.4571
flanges external thread	R 1“
seal	FPM
dimensions (L x Ø in mm)	420 x 42
distance flanges	340 mm
weight	2,8 Kg
life time of lamps	8.000 h
number of lamps	1
dose	400 J/m²
max. working pressure	10 bar
protective system	IP 65
electrical connection	110-240 V 50/60 Hz
total power	42 W
over current protection	10 A

UV Plant PURION 1000 H is equipped with a polished stainless steel reactor.
PURION 1000 H can be used to disinfect high temperature water especially to protect legionella. It´s possible to disinfect drinking water up to a flow rate of 1.500 l/h and a transmission of at least 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

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 7,5 mm between the quartz pipe and the inner surface of the reactor ensures optimal irradiation and therefore, optimal disinfection of the water.

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	•

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
- less required space
- manageable maintenance, small operation expenses

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