PURION
the best solution

PURION 400 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 400
flow rate	300 l/h drinking water
UVC-transmission	90% T_1 cm
temperature of water	2°C to 40°C
reaktor	stl. steel 1.4571
flanges external thread	R 1/2“
seal	FPM
dimensions (L x Ø in mm)	237 x 42
distance flanges	172 mm
weight	1,9 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 (optionally)	230 V/50 Hz or 110 V/60 Hz 12 V DC or 24 V DC
total power	11 W
over current protection	10 A

UV Plant PURION 400 is equipped with a polished stainless steel reactor.
PURION 400 can be used to disinfect drinking water up to a flow rate of 300 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 or optionally 12 V DC, 24 V DC 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 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	
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