

## PURION Multi Plant for UV based disinfection of liquids

... is characterized by compact construction design. The construction follows laws, standards and Regulations.



The PURION Multi Plants for disinfection of liquids are customized to the individual application.

In particular the pipe work on pre assembly has to be determined individually.

Pre assembly is carried out in a rack made from grooved aluminium. It is possible to deliver a construction kit for self installation.

The Electric Control Cabinet can be equipped with the PURION Operating Time Counter (OTC2).

Optionally the PURION Electric Control Cabinet can be equipped with the PURION Operating Power Detection (OPD2) (monitoring of one UV-reactor).

The potential free contact D1-D2 (error amount signaling)<sup>4</sup> enables easy integration into existing remote monitoring systems.

manufacturer	PURION <sup>®</sup> GmbH
type	Multi Plant up to 8 x PURION 2500 or 2501
flow rate	12 - 40 m <sup>3</sup> /h drinking water up to 168 m <sup>3</sup> /h water for domestic use <sup>3</sup>
UVC-transmission	90%T <sub>1</sub> cm (other liquids on request)
dimensions (L x B x H mm)	approx. 600 x 400 x 1.200
weight	minimum 65 kg
number of lamps	up to 8
max. working pressure	10 bar
electrical connection	PURION Electric Control Cabinet 1: <sup>2</sup> • 3 ~/N/PE <sup>1</sup> 50 Hz 400/230V • L/N/PE <sup>1</sup> 50 Hz 230V
total power	up to 8 x 106W (depending on configuration)
over current protection	up to 3 x 6A
configuration rack	grooved aluminium

### The PURION Multi Plant is applied at:

#### Industrial installation

Application with high flow rate (e.g. cooling water)

Application with very low transmission (e.g. cooling lubricant, pools, ponds)

### Selected options for configuration

- configuration as PURION H or PURION PRO
- series connection of the UV-reactors
- parallel connection of the UV-reactors
- operating time counter (OTC2)
- operating Power Detection (OPD2)
- pipe work made from PVC
- pipe work made from stainless steel
- main alert for controlling (visual error amount signalling on the cabinet door, in addition to the potential free contact D1-D2)

<sup>1</sup> earth leakage circuit breaker 2-pole/ 4-pole; <sup>2</sup> configuration: control-lamps, main switch, potential free contact D1-D2 (external over current protection necessary); <sup>3</sup> e.g. cooling water, pools- max. 90 °C; <sup>4</sup> in case of a failure of the plant (lamp, ballast, etc.) this contact is closed. Otherwise the contact is open.