

PURION 2500 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 2500 is equipped with a polished stainless steel reactor. PURION 2500 can be used to disinfect drinking water up to a flow rate of 2.500 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 or 110 V/60 Hz or optionally **24 V DC** at 36 W.

To realise higher doses than 400 J/m² UV plant PURION 2500 can be equipped with UV-lamps characterized by higher radiation power. In this case PURION 2500 can be used for a transmission of at least 60% per 1cm. The power supply is carried out with 230 V/50 Hz 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.

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|---------------------------------------|--|
| manufacturer | PURION GmbH |
| type | PURION 2500 |
| flow rate | 2,5 m ³ /h drinking water at 36 W |
| UVC-transmission | 90% T ₁ cm |
| temperature of water | 2°C to 40°C |
| reaktor | stl. 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/m ² |
| 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 24 V DC at 36 W |
| total power | 36 W, 75 W, 90 W |
| over current protection | 10 A |

This UV-plant is applied at:

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|------------------------------|---|
| 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