

PURION 2001 PVC-U 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 2001 PVC is equipped with a PVC-U reactor. PURION 2001 PVC-U can be used to disinfect pool water up to a volume of 30.000 l and for a transmission of at least 90% per cm.

To ensure the required transmission a preliminary filter could be necessary. Other applications are fish ponds up to a volume of 30.000 l at continuous recirculation.

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 85..264 V 50/60 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 27,5 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 2001 PVC-U |
| flow rate | 8 m³/h pools/ponds up to 30.000 l |
| UVC-transmission | 90% T ₁ cm |
| temperature of water | 8°C to 40°C |
| reaktor | PVC-U |
| flange with adhesive sleeve | Ø 50 mm |
| seal | FPM |
| dimensions (L x Ø in mm) | 670 x 100 |
| distance flanges | 360 mm |
| weight | 6 Kg |
| life time of lamps | 10.000 h |
| number of lamps | 1 |
| dose | 300 J/m² |
| temperature max | 40°C |
| max. working pressure | 5 bar |
| protective system | IP 65 |
| electrical connection | 110-240 V 50/60 Hz |
| total power | 48 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

- 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
- installation in conveyor lines
- less required space
- manageable maintenance, small operation expenses