Datasheet

UV Concept GmbH

PURION DVGW Certified Starter for 110 - 240 V

50 - 60 Hz



DESCRIPTION

The PURION 2501 230 E 106 W ZERT type system, certified by DVGW, is constructed from electropolished stainless steel and can be fitted with a 1 1/2" round thread connection or a TriClamp DN40.
Certified in accordance with the latest DVGW standard. Certificate dated 2025, worksheet W 294, with a capacity of up to 3.4 m³/h.
The compact design facilitates effortless, tool-free removal and replacement of the lamp, such as at the conclusion of the spotlight's service life.
For cleaning purposes, the quartz immersion tube can be easily removed and reinstalled without the need for tools. Water flows through the housing and is directed along the quartz immersion tube, where the UVC lamp is installed.
The water film thickness of merely 27.5 mm, defined as the distance between the UV light exit point on the quartz tube surface and the inner wall of the housing, ensures optimal penetration of the medium by the UV light, effectively inactivating and neutralizing all bacteria and viruses.
The dual Big Blue filter, featuring a 1" stainless steel screw connection and an additional 1 1/2" screw connection for the UVC system, represents a high-performance filtration system engineered for effective water treatment.
The filter is equipped with an activated carbon insert that effectively diminishes odors, taste, and chlorine from the water. Furthermore, a 1-micron pre-filter is incorporated for ultra-fine filtration, ensuring optimal light transmission through the water.
The efficient integration of a dual pre-filter and downstream UVC system enables the water to experience optimal ultraviolet disinfection, effectively eliminating potentially harmful bacteria and viruses.

Available power sources

- **110-240V AC with a wide voltage ballast**



DVGW Certification: DIN 19294:2020
ÖVGW certificate: M 5873-1:2020-01-01

Delivery Scope

- UV disinfection system
- UV Lamp (106 W)
- 2x Big Blue Filter 10x4.5"
- Screw connection to 1 1/2" male thread of the UVC system.
- Activated carbon filter cartridge
- 1 Micron Filter Cartridge
- Assembly key
- Mounting kits for the UVC system and filter housing.
- User Guide



Activated carbon filter cartridge

1 Micron Filter Cartridge

Technical specifications

Manufacturer	PURION GmbH
Type	PURION DVGW Certification.
throughput	3400 l/h potable water
UVC-Transmission	90% T1 cm
Water temperature	2°C to 90°C
Reactor	Stainless steel 1.4571
External thread coupling	Tri Clamp DN40 or R 1½"
seal	FPM
Dimensions (L x W in mm)	928 x 85
flange separation	810 mm
Weight	8 kg
Radiator operational duration	10.000h
Number of illuminations	1
Dose	400J/m²
Maximum Temperature	90°C
Enclosure protection rating	IP 65
Electrical connection	110 - 240V AC 50Hz/60Hz
Performance	106 W
Security	10A
Dimensions Filter (H x Ø)	345 mm x 580 mm
Cartridge dimensions measured in inches	10 inches x 4.5 inches
Weight filter	7 kg

Contact

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