

## UV Disinfection

### DWC UV Pure 16 24VDC

#### 1. General

The product consists of

- UV lamp
- Housing
- Control unit with 24 VDC

#### 2. Function

Radiation with UV light is one of the most efficient methods of destroying germs. The radiation source emits at the optimal wavelength for germ inactivation and guarantee a high germ destruction rate. As the water flows through the UV housing, it is subjected to a lethal dose of germicidal ultraviolet (UV) light that instantaneously inactivates bacteria and viruses by destroying their DNA structure and thus making the water microbiologically safe to drink. This chemical free method does not show side effects. The installation should be as near as possible to the water tap. Source water can be any kind of sweet water, however, please ensure that the raw water is as clear as possible (optional mechanical pre filtration at 5 µm is advised).

#### 3. Technical Data

Flow rate: Up to 2,5m<sup>3</sup>/h  
 Electric power supply: 24V DC  
 Power consumption: 0,8A (3 A during ignition of the lamp)  
 Max pressure: 10 bar  
 Material: Stainless steel 1.4571, 4VA  
 Diameter: 48 mm  
 Length: 450 mm  
 Connections: 2 x 1"  
 Surface: electro polished

#### Controller

Type: electronic  
 Housing material: ABS  
 Protection: IP 65  
 Dimension: (120 x 80 x 55mm)

#### UVC Lamp

Number: 1  
 El power: 16W  
 Lamp life: 8,000 hours (replacement of UV lamp is easy)

#### Electrical connection

Voltage: 24 VDC  
 Power consumption: 16W  
 Protection: 10A

Weight: 2,5 kg

ELECTROMAGNETIC SPECTRUM

