

UVE

UV disinfection units as components

The UV system is used to disinfect the system water of cooling and humidifier circuits. The newly developed microprocessor controller UVE digital enables comfortable operation and ensures high operational reliability. The system is supplied in the form of individual components (controller, ballast, UV reactor, UV lamp and sensor), assembly is carried out by the client.

BENEFITS

- Clearly arranged and easy to operate controller
- Indication and storage of relevant parameters of the UV lamp
- High operational security since connection of flow meter is possible
- Autoclean mode to prevent contamination when the system is at a standstill (in combination with circulation pump)

APPLICATIONS

- Disinfection of drinking water, warm water and industrial water
- Component version suitable for customised installation



Controller UVE digital

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DESCRIPTION

UV disinfection components

- Controller UVE digital with touch screen
- Electronic ballast EVG in separate terminal box
- UVE reactor made of stainless steel, complete with lamp protection tube, UV sensor and UV lamp (high-radiation, U-shaped amalgam low-pressure compact lamp, radiant power 30 W, power consumption max. 100 W)

UVE digital controller

- Clear four-line display of operating status and relevant measured values
- Plain text display languages: German / English
- Storage of relevant UV lamp parameters (number of ignitions and burning time, number of lamps and reference value calibration) in circulating memory with 255 data records
- Simple menu-guided operation via buttons (Info, Settings, On/Off)
- Indication of warning and fault messages by flashing and colour change of the info button
- Acknowledgement of warning and fault messages by switching off the system
- Password-protected programming of operating parameters in settings menu
- Autoclean mode to prevent contamination when the system is at a standstill (in combination with circulation pump)

Inputs

- Dry run protection (potential-free)
- Remote off (potential-free)
- Flow sensor (potential-free, alternatively pressure switch or override)

Outputs

- Operation (potential-free)
- Fault (potential-free)
- Control circulation pump (230 V / 4 A)

The individual components are installed by the client.

CONDITIONS OF USE

If used together with a circulation pump, operation is possible at 50 Hz only.

TECHNICAL DATA OF SERIES

Operating pressure	1 – 10 bar
Operating temperature	0 – 60 °C
Protection class	IP 54
Drain hose	-

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Product name	Flow rate m ³ /h at 250 - 400 J/m ²	Hydraulic connection	Dimensions in mm W x D x H	Item number
UVE 35 digital	6.7 – 4.2	R 1"	130 x 120 x 520	455 108
UVE 45 digital	8.6 – 5.4	DN 50 / PN 10	190 x 185 x 580	455 109