

# UVE P

## UV disinfection units pre-assembled

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 pre-assembled on a plate.

### 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)
- Ready-to-connect unit mounted on a plate reduces installation time

### APPLICATIONS

- Disinfection of cooling and humidifier circuits
- Version pre-assembled on a plate suitable for quick installation



UVE 35 P digital

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### DESCRIPTION

#### UV disinfection unit

- 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)
- Flow sensor for switching off the UVE lamp in case of water shortage and pressure gauge
- Shut-off and sampling fittings on inlet and outlet side
- System pre-mounted on plastic plate, including piping and wiring ready for connection
- Electrical construction according to VDE 0100 part 600, VDE 0113 part 1

#### 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) and fault (potential-free)
- Control circulation pump (230 V / 4 A)

### CONDITIONS OF USE

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

### TECHNICAL DATA OF SERIES

Operating pressure	0.3 – 0.6 bar
Operating temperature	0 – 40 °C
Protection class	IP 54
Drain hose	Nozzle Ø10

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Product name	Flow rate m <sup>3</sup> /h at 250 - 400 J/m <sup>2</sup>	Hydraulic connection	Dimensions in mm W x D x H	Item number
UVE 35 P digital	6.7 – 4.2	DN 25	510 x 170 x 1,000	455 110
UVE 45 P digital	8.6 – 5.4	DN 50	630 x 230 x 1,300	455 111