

# VISADES - Model T40

*Operating data storage* ✓

*Colour touch screen* ✓

*FlexFlow - Flow rate control* ✓

**VISADES**  
UV-TECHNOLOGY

**UV - Water disinfection  
with the power of the sun**

Certified for official  
Drinking water supply



## UV – Drinking Water Disinfection System T40 with Controller VD 40 TFT

Model tested by government-authorized test center per Austrian Standards Institute M5873-1, Method B. Without additional transmission measurement. Build in accordance with Austrian Standard Institute M 5873-1 Method B, Austrian Food Standards, Chapter B1 Drinking Water, CE-conformity. **ÖVGW-Certificate, SVGW-Certificate.**

The specified flow capacity is based on a minimum irradiation dose of 400 J/m<sup>2</sup> at UV-transparency 80% Tr100, 254nm (per Austrian Food Standards, Edition III, Chapter B1 Drinking Water) after a minimum useful emitter life of 9000 operating hours in continuous operation.

### Irradiation-Chamber:

|                          |   |
|--------------------------|---|
| <b>Model</b>             | <b>T40</b>                                    |
| Material                 | 1.4301  |
| Operating Pressure       | 10/16 bar                                     |
| Diameter                 | 104 mm  |
| Height                   | 990 mm  |
| Height f. emitter change | 2020 mm                                       |
| Fill Capacity            | 7,56 Liter                                    |
| Tare weight              | 6,4 kg  |
| Fitting connections      | G 6/4"  |
| Flow Capacity            | 1,54 m <sup>3</sup> /h at 80% UV-transparency |
| Water temperature        | +1 bis +30 °C                                 |
| Ambient temperature      | +5 bis +40 °C                                 |
| Number of emitters       | 1   |

### Emitter:

|                       |                     |
|-----------------------|---------------------|
| <b>Type</b>           | <b>VISADES ST40</b> |
| Emitter lifespan      | 9000 h              |
| Power per emitter     | 36,8 Watt           |
| UVC power per emitter | 12,8 Watt           |



### System consists of:

- Stainless steel irradiation chamber, Material 1.4301
- 1 glass tube made of high-quality quartz glass
- 1 Powerful UVC low-pressure emitter 40W
- 1 Selective UVC-Sensor, per Austrian Standards Institute M5873-1, to monitor irradiation strength
- 1 Electronic ballast 40W with soft-start function for a long lamp life and low energy consumption
- 1 Microprocessor controller, installed in a splash proof powder-coated steel housing
- Remote on switch. Shut-off valve, pump control, flush valve, external fault messages, optional integration with all common process control systems, optional text message transmission for faults or irradiation monitoring
- Connections für sampling faucets
- **User interface 4.3" colour touch screen**
- **Resolution 480x272, 65000 Colours**

### Controller:

|                           |                        |
|---------------------------|------------------------|
| <b>Type</b>               | <b>VD 40 TFT</b>       |
| Power connection          | 230 V / 50 Hz          |
| Total power consumption   | 47 Watt                |
| Supply breaker            | 13 A                   |
| Breaker for power compon. | 4 A                    |
| Protection                | Ground conductor syst. |
| Class of protection       | IP54                   |
| Temperature class         | T40                    |
| Dimensions (BxHxT)        | 420 x 310 x 150 mm     |
| Mounting dimensions       | 470 x 260 mm, D 6 mm   |
| Weight                    | 8,0 Kg                 |



### More information on [www.visades.com](http://www.visades.com)

CAD – drawings, folder, model overview, documentations, certificates, photos and more

### Control functions:

- Operating hours counter on the UV emitter
- Switch-on impulse counter on the UV emitter
- Operating status of the system
- Pre-warning alarm (P1)
- Limit alarm (P2)
- Display of irradiation intensity in W/m<sup>2</sup>
- Fully adjustable flushing
- Emitter status display
- **UV-value analog output 0-10V, 4-20 mA**
- **Temperature monitoring for UV chamber and Control**
- **Programmable data storage on USB stick**
- **Processing of daily water consumption \***

### Expansion Capability:

- GSM module for SMS communication and alerts
- Instabus – EIB connection
- **ModBus Interface**
- **FlexFlow: regulating flow meter over a control valve \***
- **Control Terminal**
- **Remote maintenance**

\* The control valve and flow meter are not included

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