

# VISADES - Model T480

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 T480 with Controller VD 480 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>T480</b>
Material	1.4301
Operating Pressure	10/16 bar
Diameter	220 mm
Height	1180 mm
Height f. emitter change	2200 mm
Fill Capacity	35,1 Liter
Tare weight	46 kg
Fitting connections	DN80 PN10/16
Flow Capacity	40,20 m <sup>3</sup> /h at 80% UV- transparency
Water temperature	+1 bis +30 °C
Ambient temperature	+5 bis +40 °C
Number of emitters	6

### Emitter:

<b>Type</b>	<b>VISADES ST80</b>
Emitter lifespan	9000 h
Power per emitter	80 Watt
UVC power per emitter	28,0 Watt

### Controller:

<b>Type</b>	<b>VD 480 TFT</b>
Power connection	230 V / 50 Hz
Total power consumption	490 Watt
Supply breaker	13 A
Breaker for power compon.	4 / 6 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	9,7 Kg



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

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

\* The control valve and flow meter are not included

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### System consists of:



- Stainless steel irradiation chamber, Material 1.4301
- 6 glass tube made of high-quality quartz glass
- 6 Powerful UVC low-pressure emitter 80W
- 1 Selective UVC-Sensor, per Austrian Standards Institute M5873-1, to monitor irradiation strength
- 6 Electronic ballast 80W 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**

### 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**

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