

VISADES T3000L-400

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 T3000L-400 with Controller VD 3000 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/m² 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:

Model	T3000L-400
Material	1.4301
Operating Pressure	16 bar
Diameter	583 mm
Height	1760 mm
Height f. emitter change	3320 mm
Fill Capacity	297,1 Liter
Tare weight	355 kg
Fitting connections	DN250 PN 16
Flow Capacity	512,4 m ³ /h at 80% UV- transparency
Water temperature	+1 bis +45 °C
Ambient temperature	+5 bis +40 °C
Number of emitters	9

Emitter:

Type	VISADES ST400
Emitter lifespan	9000 h
Power per emitter	400 Watt
UVC power per emitter	140 Watt



System consists of:

- Stainless steel irradiation chamber, Material 1.4301
- 9 glass tube made of high-quality quartz glass
- 9 Powerful UVC low-pressure emitter 400W
- 1 Selective UVC-Sensor, per Austrian Standards Institute M5873-1, to monitor irradiation strength
- 9 Electronic ballast 400W 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:

Type	VD 3000 TFT
Power connection	400 V / 50 Hz
Total power consumption	3780 Watt
Supply breaker	20 A
Breaker for power compon.	3x 10A
Protection	Ground conductor syst.
Class of protection	IP54
Temperature class	T40
Dimensions (BxHxT)	800 x 1000 x 250 mm
Mounting dimensions	850 x 950 mm, D 6 mm
Weight	62 Kg

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/m²
- Fully adjustable flushing
- Emitter status display
- **UV-value analog output 0-10V, 4-20 mA**
- **Temperature monit. for UV chamber and Control**
- **Programmable data storage on USB stick**
- **Processing of daily water consumption ***



More information on www.visades.com

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

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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VISADES Technologie & Entwicklung GmbH
A-5023 Salzburg, Mauermannstrasse 2
Tel.: +43-662-871224-0 FAX: DW-10
Email: info@visades.com Internet: www.visades.com