

VISADES T1700L-200

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 T1700L-200 with Controller VD 1700 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 8000 operating hours in continuous operation.

Irradiation-Chamber:

| | |
|--------------------------|---|
| Model | T1700L-200 |
| Material | 1.4301 |
| Operating Pressure | 10/16 bar |
| Diameter | 425 mm |
| Height | 1370 mm |
| Height f. emitter change | 2620 mm |
| Fill Capacity | 109 Liter |
| Tare weight | 247 kg |
| Fitting connections | DN200 PN 10/16 |
| Flow Capacity | 194,5 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 ST200 |
| Emitter lifespan | 8000 h |
| Power per emitter | 200 Watt |
| UVC power per emitter | 80 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 200W
- 1 Selective UVC-Sensor, per Austrian Standards Institute M5873-1, to monitor irradiation strength
- 9 Electronic ballast 200W 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 1700 TFT |
| Power connection | 400 V / 50 Hz |
| Total power consumption | 1940 Watt |
| Supply breaker | 16 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 | 53 Kg |



More information on 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/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 ***

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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