TREION™ OmniaPure^{UV}

H_2O pure type ASTM I

TREION™ OmniaPure^{UV} is a flexible system for the production of ultrapure water that fulfills the highest demands of analytical and life sciences laboratories.

The standardly integrated OptiFill dispenser is a jack-of-all-trades. It is so ergonomically shaped that it enables one-handed use, not only for system operation but also for the monitoring of all quality parameters.

You can decide on the best place for it in the laboratory, either mounted on a wall, standing on a bench or, to save valuable space, fitted in a base cabinet. The flexible dispensing/monitoring unit ensures very convenient and precise filling of laboratory vessels.

The combination of ultra-modern purification technologies in this system ensures need-filling and economical usage for any application.

Features

√ Reliable ASTM I ultrapure water quality.

√ The standardly supplied OptiFill dispenser:

- enables one handed dispenser operation,
- is detachable and ergonomically shaped,
- can be turned and is height adjustable.

√ Simple and economical filter replacement.

√ Clear view of controls with graphic display.

√ Leak detector is standardly included.

√ Complete with integrated pressure reducer.

Standard system components

- √ Compact housing with easily accessible operating and service hood that enables simple replacement of spent materials in a few seconds.
- √ Pressure reducer unit that is individually adjustable and purified water resistant.
- √ Wide-range power supply unit with automatic voltage adjustment to 48 V that can be internationally used.
- √ Quiet running long-life recirculation pump (< 40dB) for complete recirculation through all parts that contact media right up to the tip of the dispenser.
- √ Integrated pretreatment set that protects against contaminants in the feed water – a guarantee for cleanliness and economy.
- √ UV-unit with 185/254 nm wavelength for highest microbial cleanliness and TOC-reduction.
- √ Ultrapure purification set for removal of inorganic substances and residual inorganic ions.
- √ Quality rinse rinsing valve for complete disinfection of all parts that contact media as well as quality rinses in interval mode.
- √ Multi-language microprocessor for the control and monitoring of all operating and performance parameters.
- √ Dispenser with adapted microfiltration for sterile ultrapure water dispensing at the point-of-use.

Microprocessor control

- √ Multi-lingual microprocessor control with graphics display and color change from green to red when a fault message is given.
- √ Individual setting possibilities for conductivity indication (MΩ x cm or µS/cm) and language (German/English).
- √ Multi-level conductivity and temperature monitoring for pure and purified water, temperature compensation with continuously adjustable limiting value setting.
- √ Automatic matching to an integrated reference resistance prior to each measurement ensures USP-conformity and high precision, plus possible switch-off of temperature compensation.
- √ Permanent monitoring of the UV unit and leak monitoring with display of faults and automatic safety feedwater cut-off.
- √ Automatic disinfection menu for easy and convenient disinfection of all parts that contact media for guaranteed microbial purity.
- √ GLP conform data acquisition via an RS-232 interface with adjustable sending interval, date, real time clock and serial number.

Feed water requirements

Water prepared by ion exchange, reverse osmosis, electrodeionization or distillation

Feedwater temperature	+2°C to 35°
Feedwater pressure	0.1 to 6 bar
Input conductivity	< 100 µS/cm
TOC value	< 50 ppb

Type I ultrapure water

Ultrapure water conductivity	18.2 MΩ x cm ≙ 0.055 µS/cm
Dispensing performance	up to 2 l/min.
TOC-Wert	1 - 5 ppb*
Particle and bacterial content	< 1 CFU/ml
Typical applications	Analysis of trace elements, ICP-MS, HPLC TOC analysis

*Dependent on the feedwater and regular disinfection

Technical data

Ambient temperature	+2 to 35°C
Supply voltage	90-240 Volt / 50-60 Hz
Total connected load	0.1 kW
Connector inlet/rinse tube	d8 mm
Dimensions without dispenser	W 390 x D 375 x H 470 mm
Maximum dimensions with dispenser	W 390 x D 525 x H 720 mm
Weight	20 kg

Article number:

TLWTWS0008	Main system TREION™ OmniaPure^{UV}

Consumables

TLWTAC0003	Pretreatment cartridge TREION™ OmniaPure
TLWTAC0004	Ultra-pure water cartridge TREION™ Omnia 055
TLWTAC0005	Sterile filter capsule 0.2 µm
TLWTAC0006	Bio filter capsule

Accessories

TLWTAC0008	Wall holder TREION™ Omnia
TLWTAC0007	Disinfection kit TREION™ Omnia
TLWTAC0009	Disinfection solution 3pcs./pack