

TREION™ OmniaPure xs^{basic} UV

The specialist for H₂O pure type ASTM I

The OmniaPure xs^{basic} UV is an extremely compact system to produce ultrapure water fulfilling 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.

Retractable and pivotable with a flexible connection for the most comfortable supply of ultrapure water to any vessel.

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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
- ✓ Spent filters are simply and quickly exchanged
- ✓ Very space saving – fits almost on an A4 sheet
- ✓ Clear view of controls with graphic display
- ✓ Leak sensor is standard
- ✓ Complete with integrated pressure reducer
- ✓ Ready to use, including filter cartridges



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 colour change from green to red when a fault message is given
- √ Individual setting possibilities for conductivity indication ($M\Omega \times cm$ or $\mu S/cm$) 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
- √ 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

Feedwater requirements

Source	Water prepared by ion exchange
Feedwater temperature	+2°C up to 35°
Feedwater pressure	0,5 up to 6 bar ¹
Feedwater conductivity	< 100 $\mu S/cm$
TOC-Value	< 50 ppb

1. At pressures below 0.5 bar the system will work, but the product water flow rate may be lower.

Type I ultrapure water**

Ultrapure water conductivity	18,2 MΩ x cm – 0,055 μS/cm
Dispensing performance	up to 2,0 l/min.
TOC-Value	< 2 ppb*
Particle content	< 1/ml**
Bacteria content	< 0,01 CFU/ml**
Typical applications	Analysis of trace elements, ICP-MS, HPLC TOC analysis

* Dependent on the feedwater and regular disinfection

**with 0,2 μm Sterile filter capsule 19100300 or Bio filter capsule 19102100

Technical data

Ambient temperature	+2 bis 35°C
Supply voltage	90-240 Volt / 50-60 Hz
Total connected load	120 W
Port size – tap water	R ¾" - female
Dimensions - without Dispenser	W 240 x H 415 x D 310 mm
Dimensions – with Dispenser	W 240 x H 530 x D 435 mm
Weight (empty - without water)	14 kg

Article number:

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Consumables

Pre treatment cartridge ^{xs}	19200102
Ultrapure water cartridge Omnia ^{xs} 055	19200103
Sterile filter capsule 0,2 μm	19100300
Bio Filter capsule	19102100

Accessories

Wall mounting Omnia ^{xs}	19200305
Volume dosing Omnia xs	19200500
Disinfection unit Omnia ^{xs}	19200091
Disinfectant Omnia – 3 pcs.	19200057