

TREION™ OmniaPure xs^{touch} UV-TOC/UF

The specialist for H₂O pure type ASTM I

The OmniaPure xs^{touch} is an extremely compact system to produce ultrapure water fulfilling highest demands of analytical and life sciences laboratories.

Scroll and swipe to the next function with the intuitive Optifill^{touch} display and integrated monitoring unit. Adjustable limit values for conductivity and TOC, as well as data output via USB increase process reliability under consideration of highest sustainability.

Save valuable space in your lab. Configure and place the production unit under the bench and position your Optifill^{touch} dispenser and monitoring unit practical on a bench or space-saving on a wall.

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

Features

- ✓ Reliable ASTM I ultrapure water quality
- ✓ Optifill^{touch} dispenser as standard
 - enables one handed dispenser operation
 - Colour-touch-display with intuitive menu navigation
 - is detachable and ergonomically shaped
 - can be turned by 170 degrees / 80 cm in diameter and is height adjustable
- ✓ Simple and economical filter replacement
- ✓ Real time TOC monitoring
- ✓ Residual cartridge volume display
- ✓ USB-Port for data in- and output
- ✓ Leak detector is included as a standard
- ✓ Supply including all mandatory filters and consumables for start-up and operation
- ✓ Integrated pressure reducer as standard

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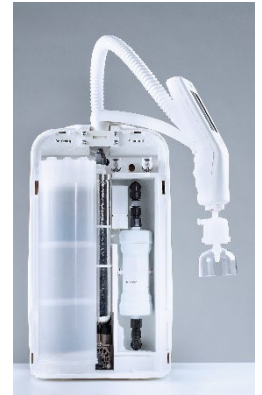
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Standard system components

- ✓ 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 pre-treatment 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
- ✓ Integrated ultrafiltration unit for the retention of endotoxins, proteins, DNases and RNases
- ✓ 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 touch display, consumption and error display
- ✓ Individual setting possibilities for conductivity indication in MΩxcm or μS/cm and language (German / English / French)
- ✓ Multi-level conductivity and temperature monitoring for pure and purified water, temperature compensation with continuously adjustable limiting value setting
- ✓ Real time TOC monitoring for continuous TOC measurement of organic content according to USP
- ✓ 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
- ✓ Individually adjustable and precise dispensing by push button via automatic and pre-adjusted dispensing volume of all common sizes.



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 µS/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	< 5 ppb*
Pyrogens (Endotoxins)	< 0,001 EU/ml***
RNase	< 1 pg/ml***
DNase	< 5 pg/ml***
Proteases	< 0,15 µg/ml***
Particle content	< 1/ml**
Bacteria content	< 0,01 CFU/ml**
Typical applications	Life science and microbiology, cell culture media

* Dependent on the feedwater and regular disinfection

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

*** with 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
Disinfection unit Omnia ^{XS}	19200091
Disinfectant Omnia – 3 pcs.	19200057