

stakpure OmniaPure-ST xs ^{basic}

The specialist for H₂O pure type ASTM I

The OmniaPure-ST xs ^{basic} is the one stop solution to produce ultrapure water fulfilling highest demands of analytical and life sciences laboratories if no local water source is available for direct feedwater connection. The integrated feedwater tank for demineralized water allows a mobile production of ultrapure water even in remote locations.

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.

stakpure

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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
- √ Integrated 7 l demineralized feedwater storage tank
- √ 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
- √ Ready to use, including filter cartridge



Standard system components

- √ Compact housing with easily accessible operating and service hood that enables simple replacement of spent materials in a few seconds
- √ Build in feedwater tank with 7l volume for demineralized water storage
- √ 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
- √ 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
- √ 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, reverse osmosis, electrodisinfection or distillation |
| Feedwater temperature | +2°C up to 35° |
| Feedwater conductivity | < 100 $\mu S/cm$ |
| TOC-Value | < 50 ppb |

Type I ultrapure water**

| | |
|------------------------------|--|
| Ultrapure water conductivity | 18,2 MΩ x cm – 0,055 μS/cm |
| Dispensing performance | up to 2,0 l/min. |
| TOC-Value | < 10 ppb* |
| Particle content | < 1/ml** |
| Bacteria content | < 0,01 CFU/ml** |
| Typical applications | Ultra-trace analysis, 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 |
| Dimensions – with Dispenser | W 253 x H 530 x D 520 mm |
| Weight (empty - without water) | 16 kg |

Article number:

| | |
|----------------------------------|----------|
| OmniaPure-ST xs ^{basic} | 18000104 |
|----------------------------------|----------|

Consumables

| | |
|---|----------|
| 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 | 19200057 |