

stakpure OmniaTap xs^{basic} 5 UV

The simple solution for H₂O pure type ASTM I + II

The OmniaTap xs^{basic} is an extremely compact system and the best choice when small volumes of both pure water and ultrapure water are required. It offers great flexibility and can be directly connected to the drinking water supply.

The standard OptiFill dispenser is a flexible extraction solution for all kind of laboratory vessels. The ergonomic shape of it enables one-handed use of it for both system operation and the monitoring of all quality parameters.

The dispensing of pure water and ultrapure water from a single system is made possible by the need-filling combination of ultra-modern purification technologies.

Features

- ✓ Reliable ASTM I + II water quality supply
- ✓ Tap water set for direct drinking water connection
- ✓ Optifill dispenser as standard
 - enables one handed dispenser operation
 - is detachable and ergonomically shaped
 - can be turned by 170 degrees / 80 cm in diameter and is height adjustable
- ✓ Simple and economical filter replacement
- ✓ Clear view of controls with graphics display
- ✓ Leak detector is included as a standard
- ✓ Supply including all mandatory filters and consumables for start-up and operation

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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
- ✓ Wide-range power supply unit with automatic voltage adjustment to 48 V that can be internationally used
- ✓ Tap water pre-treatment unit with activated carbon and reverse osmosis module for direct connection to a drinking water supply
- ✓ Purified water container with 7 l volume and conical bottom run-out, together with an outlet for connection to attached downstream equipment
- ✓ Recirculation module for complete tank recirculation as protection against bacterial growth during downtimes that guarantees no loss of quality of the purified water
- ✓ Quiet running long-life recirculation pump (< 40dB) for complete recirculation through all parts that contact media right up to the tip of the dispenser
- ✓ 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 in $M\Omega\text{cm}$ or $\mu\text{S/cm}$ 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
- ✓ Automatic disinfection menu for easy and convenient disinfection of all parts that contact media for guaranteed microbial purity



Feedwater requirements

Source	Tap water according to DIN 2000
Feedwater temperature	+2°C up to 35°
Feedwater pressure	0,5 up to 6 bar
Conductivity at 25°	< 2000 µS/cm
Colloid index SDI	< 10
Free chlorine	< 3 ppm
TOC-Value	< 1 ppm
Hardness [as CaCO ₃]*	< 300 µS/cm
pH range	4 up to 10

*For higher values, pre-treatment must be carried out upstream

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*
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

Type II pure water

	(Tank outlet)
Pure water conductivity	15-10 MΩ x cm \cong 0.067-0.1 µS/cm
Pure water performance at 15°C	5 l/h
Typical applications	Make up water for buffers and media Rinsing of laboratory glass Preparation of reagents and samples Feed water for autoclaves

Technical data

Ambient temperature	+2 up to 35°C
Supply voltage	90-240 Volt / 50-60 Hz
Total connected load	120 W
Port size – tap water	R ¾" - female
Dimensions	W 253 x H 530 x D 520 mm
Weight (empty - without water)	19 kg

Article number:

OmniaTap xs ^{basic} 5 UV	18110052
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Consumables

RO cartridge OmniaTap ^{xs} 5	19200007
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	19200057