

## stakpure OmniaTap xs<sup>touch</sup> 8 UV-TOC/UF

### The all-rounder for H<sub>2</sub>O pure type ASTM I + II

The OmniaTap xs<sup>touch</sup> is an extremely compact system to produce ultrapure water fulfilling highest demands of analytical and life sciences laboratories and can be directly connected to the drinking water supply.

Scroll and swipe to the next function with the intuitive Optifill<sup>touch</sup> 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<sup>touch</sup> 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 + II water quality supply
- ✓ Optifill<sup>touch</sup> 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

# stakpure

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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
- ✓ 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  $M\Omega\text{cm}$  or  $\mu\text{S/cm}$  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	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 <sub>3</sub> ]*	< 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*
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

## 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	8 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 bis 35°C
Supply voltage	90-240 Volt / 50-60 Hz
Total connected load	120 W
Port size – tap water	R 3/4" – female

### **OmniaTap Production system:**

Dimensions - without Dispenser	W 253 x H 420 x D 435 mm
Dimensions – with Dispenser	W 253 x H 530 x D 520 mm
Weight (empty - without water)	18 kg

### **Article number:**

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### **Consumables**

RO cartridge OmniaTap <sup>xs</sup> 8	19200008
Ultrapure water cartridge Omnia <sup>xs</sup> 055	19200103
Sterile filter capsule 0,2 µm	19100300
Bio Filter capsule	19102100

### **Accessories**

Wall mounting Omnia <sup>xs</sup>	19200305
Disinfection unit Omnia <sup>xs</sup>	19200091
Disinfectant Omnia	19200057