

stakpure OmniaTap^{12 UV/UF}

The all-rounder for H₂O pure type ASTM I + II

OmniaTap is the system of choice when small volumes of both pure water and ultrapure water are required. It combines compact dimensions with great flexibility and can be directly connected to the drinking water supply.

The standard OptiFill dispenser is a jack-of-all-trades. The ergonomical shape of it enables one-handed use of it for both system operation and the monitoring of all quality parameters.

You can decide whether it is to be stood on a bench or save space by fitting it in a base cabinet, according to the room available. The flexible dispensing and monitoring unit serves for convenient and precise filling of laboratory vessels.

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 supply of ASTM types I + II
- ✓ Tap water set for direct drinking water connection
- ✓ The standardly supplied OptiFill dispenser:
 - enables one-handed dispenser operation
 - can be detached and is ergonomically shaped
 - can be turned and is height adjustable
- ✓ Simple and economical filter replacement
- ✓ Clear view of controls with graphics display
- ✓ Supplied complete with a leak sensor

stakpure

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Standard system components

- √ Compact housing with easily accessible operating and service hood that enables simple replacement of spent material in a few seconds
- √ Wide-range power supply unit with automatic adjustment to 48 V that can be internationally used.
- √ Tap water pretreatment unit with hardness stabilizer and reverse osmosis module for direct connection to a drinking water supply
- √ Purified water container with 10 l volume and conical bottom run-out, together with a pressure 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
- √ Two quiet running, long life pressure & recirculation pumps (< 40dB) for complete recirculation through all parts that contact medium right up to the dispenser tip
- √ UV-unit with 185/254 nm wavelength for highest microbial cleanliness and TOC reduction
- √ Ultrapure purification set for removal of remaining traces of inorganic substances and ions
- √ Integrated ultrafiltration unit for the retention of endotoxins, proteins, DNases and RNases
- √ Quality rinse valve for the complete disinfection of all parts that contact media and for quality rinsing in interval mode
- √ Multi-language microprocessor for the control and monitoring of all operation and performance parameters
- √ OptiFill dispenser with adapted microfiltration that ensures sterile ultrapure water dispensing directly 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 permeate and purified water, temperature compensation with continuously adjustable limiting value setting
- √ Automatic matching to an integrated reference resistance prior to each measurement for USP conformity and high precision as well as possibility of temperature compensation switch-off
- √ Permanent monitoring of the UV unit and leak monitoring with display of faults and automatic safety feedwater cut-off

Feedwater requirements

Drinking water according to DIN 2000

Feedwater temperature	+2°C to 35°
Feedwater pressure	2 to 6 bar
Manganese and iron content	< 0.05 mg/l
Free chlorine content	< 0,1 mg/l
Silt density index (SDI)	max. 3

Type I ultrapure water*

(Hand dispensing)

Ultrapure water conductivity	18.2 MΩ x cm \triangleq 0.055 μ S/cm
Dispensing performance	up to 1.6 l/min.
TOC value	< 5 ppb*
Endotoxines	0.001 EU/ml*
Particle content	< 1 particulate/ml
RNases ²	< 1 pg/ml
DNases ²	< 5 pg/ml
Bacteria content	< 0.01 CFU/ml**
Typical applications	GF-AAS, IC, ICP, ICP-MS, HPLC Cell and tissue cultures for molecular biology and microbiology

*Dependent on the feedwater and regular disinfection

** with sterile filter 0.2 μ m

Type II pure water

(Tank outlet)

Pure water conductivity	15-10 MΩ x cm \triangleq 0.067-0.1 μ S/cm
Pure water performance at 15°C	12 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 to 35°C
Supply voltage	90-240 Volt / 50-60 Hz
Total connected load	0.1 kW
Inlet/rinsing hose connector	d8 mm
Concentrate connector	d8 mm
Dimensions	W 390 x D 615 x H 720 mm
Weight	23 kg

Article number:

18200103 Main system OmniaTap¹² UV/UF

Consumables

19200010	Pretreatment cartridge OmniaTap 12
19200003	Ultra-pure water cartridge Omnia 055
19100300	Sterile filter capsule 0.2 µm
19102100	Bio filter capsule

Accessories

19200300	Wall holder Omnia
19200056	Disinfection kit Omnia
19200057	Disinfection solution
19200021	Pretreatment unit OmniaTap – 10"
28000084	OmniaTap tank extraction set