stakpure OmniaTap^6

The all-rounder for H_2O pure type ASTM I + II

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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

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
- √ Ultrapure purification set for removal of remaining traces of inorganic substances and ions
- √ 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 (MΩ x cm or µS/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
- √ Leak monitoring with display of faults and automatic safety feedwater cut-off

GLP conform data acquisition via an RS-232 interface with adjustable sending interval, date, real time clock and serial number

Feedwater requirements

Drinking water according to DIN 2000	
Feedwater temperature	+2°C to 35°
Feedwater pressure	1 to 6 bar
Manganese and iron content	< 0.05 mg/l
Free chlorine content	< 1 mg/l
Silt density index (SDI)	max. 3

Type 1 ultrapure water (Hand dispensing)

Ultrapure water conductivity	18.2 MΩ x cm ≙ 0.055 µS/cm
Dispensing performance	up to 2 l/min.
TOC value	5 - 10 ppb*
Particle and bacteria content	< 1 CFU/ml
Typical applications	AAS, IC, ICP

*Dependent on the feedwater and regular disinfection

Type II pure water (Tank outlet)

Pure water conductivity	15-10 MΩ x cm ≙ 0.067-0.1 µS/cm
Pure water performance at 15°C	6 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	22 kg

Article number:

18200051	Main system OmniaTap^{6}

Consumables

19200005	Pretreatment cartridge OmniaTap 6
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 3pcs./pack
19200021	Pretreatment unit OmniaTap – 10“