stakpure OmniaLab^{40UP}

The constant one.
For H_2O pure type ASTM II.

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OmniLab^{40UP} is the system of your choice, when the highest quality of purified water is a necessity because it is decisive for your complete laboratory water supply. It guarantees obeying to international medical technology water standards like ASTM II. The flexibility in the positioning of the purification modules enables OmniaLab^{UP} to be used as mobile tower-unit on castors or be fitted in a base cabinet to save bench-top space. The combination of polisher cartridges and high performance modules makes it a reliable supplier to ultra pure water systems, steam sterilizers, cleaning and disinfecting machines.

NEW!

Features

- √ Reliable pure water quality ASTM II
- √ 100 l tank with quality recirculation and pressure outlet
- √ Quality recirculation that guarantees microbial purity
- √ Final demineralization with polisher cartridge
- √ The standardly supplied OptiFill dispenser :
  - enables one-handed dispenser operation
  - can be detached and is ergonomically shaped
  - can be turned and is height adjustable
- √ Programmable volume dispensing
- √ Replacement of spent materials takes only a few seconds
- √ Clear view of controls with graphic display
- √ Leak sensor is standardly included

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.
- √ Two quiet running, long life pressure & recirculation pumps (< 40dB) for complete recirculation through all parts that contact medium right up to the dispenser tip
- √ High performance reverse osmosis module that effectively retains inorganic and organic contents
- √ 2 efficient polisher for removal of traces of inorganic substances and ions
- √ Purified water container with 100 l volume and conical bottom run-out, together with a pressure outlet for connection to attached downstream equipment
- √ CO_2-Absorber, sterile tank venting filter and sterile tank overflow that prevent contamination by airborne microorganisms and carbon dioxide
- √ Recirculation module for complete tank recirculation as protection against bacterial growth during downtimes that guarantees no loss of quality of the purified water
- √ Quality rinse valve for the complete disinfection of all parts that contact media as well as for quality rinsing in interval mode
- √ OptiFill dispenser with adapted microfiltration that ensures sterile ultrapure water dispensing directly at the point of use
- √ Multi-language microprocessor for the control and monitoring of all operation and performance parameters

Microprocessor control

- √ Multilingual 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)
- √ Multilevel 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 plus the possibility of temperature compensation switch-off
- √ Permanente monitoring of the UV unit and leak monitoring with display of faults and automatic safety feedwater cut-off
- √ Exact and continuously variably dispensing from 0.1 to 60 litres allows convenient and reliable filling of laboratory vessels
- √ 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	2 to 6 bar
Manganese and iron content	< 0.05 mg/l
Free chlorine content	< 1 mg/l
Silt density index (SDI)	max. 3

Typ II pure water (Hand dispensing)

Ultrapure water conductivity	15 - 10 MΩxcm ≙ 0.067 - 0.1 µS/cm
Dispensing performance	up to 2 l/min.
Programmable volume dispensing	0.1 to 60 l
Particles and bacteria content	< 1 CFU/ml (with sterile filter)
Typical applications	Buffers and media preparation
	Rinsing of laboratory glass

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	40 l/h
Typical applications	Feed-water for autoclaves and laboratory washers

Technical data

Ambient temperature	+2 to 35°C
Supply voltage	90-240 Volt / 50-60 Hz
Total connected load	0.25 kW
Inlet/rinsing/concentrate connector	d8 mm
Tank outlet connector	d8 and d22 mm
Dimensions of tower with dispenser	W 511 x D 575 x H 1550-1650 mm
Tank version for base cabinet	W 511 x D 575 x H 800 mm
Weight	55 kg

Article no.

18600040	Main system OmniaLab^{40UP}

Accessories/consumable materials

19200020	Pretreatment unit OmniaLab - 10"
19200004	Pure water cartridge Omnia 067
19100300	Sterile filter capsule 0.2 µm - for hand- withdrawal
19200050	UV Tank disinfecting unit
19200051	UV Flow through disinfection - 254
19200100	Docking tank volume 100litre
16561200	External pressure booster pump MQ 2000
16561600	External pressure booster pump MQ 3000