

**The constant one.
For H₂O pure type ASTM III.**

OmniaLab^{RO} is the system of your choice, when you need constantly high quality reverse-osmosis water for your complete laboratory. It guarantees obeying to international medical technology water standards like ASTM III.

The flexibility in the positioning of the purification modules enables OmniaLab^{RO} to be used as mobile tower-unit on castors or be fitted in a base cabinet to save bench-top space. The system is a reliable supplier to humidifier, ultra pure water systems, steam sterilizers, cleaning and disinfecting machines.

NEW!

Features

- ✓ Reliable pure water quality ASTM III + 15883
- ✓ 100 l tank
- ✓ The standardly supplied OptiFill dispenser :
 - enables one-handed dispenser operation
 - can be detached and is ergonomically shaped
 - can be turned and is height adjustable
- ✓ 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.
- √ 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
- √ Purified water container with 100 l volume and conical bottom run-out.
Pressure outlet for downstream systems (optional)
- √ Sterile tank venting filter and sterile tank overflow that prevent contamination by airborne microorganisms
- √ 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 ($M\Omega \times cm$ or $\mu S/cm$) 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
- √ 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

Type III pure water (Tank outlet)

RO membrane retention rate	> 98% ions, germs and bacteria
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 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.

18500040 Main system OmniaLab^{40RO}

Accessories/consumable materials

19200020 Pretreatment unit OmniaLab - 10"
19200050 UV Tank disinfecting unit
19200100 Docking tank volume 100litre
16561200 External pressure booster pump MQ 2000
16561600 External pressure booster pump MQ 3000