

OmniaLab^{RO}

The big one.

For H₂O pure type III.

The OmniaLab^{RO} is used when there is a need for constant large quantities of reverse osmosis water in the laboratory. The system meets international water standards such as type III. In addition, the OmniaLab^{RO} system holds 100 liters of reverse osmosis water in a storage tank ready for withdrawal. This system is used to supply autoclaves, laboratory dishwashers, humidifiers and ultrapure water systems.

Features

- OptiFill Dispenser is standard
- With 100 l pure water tank
- Tank volume display in percent
- Tank volume can be modularly increased
- Leakage sensor is standard



One hand operation



Easy water dispensing



Flexible on a work surface



Tank fits space-savingly under the bench top



Spezifikationen	OmniaLab ^{RO} 20	OmniaLab ^{RO} 40	OmniaLab ^{RO} 60
Reverse osmosis water type III			
Pure water performance l/h at 15 °C	20	40	60
RO membrane retention rate in % (ions, germs and bacteria)	> 98	> 98	> 98
Feedwater requirements			
Tap water according to DIN 2000			
Feedwater pressure [bar]	1 up to 6	1 up to 6	1 up to 6
Conductivity at 25 °C [µS/cm]	< 2000*	< 2000*	< 2000*
Colloid index SDI	< 5**	< 5**	< 5**
Dissolved CO ₂ [ppm]	< 30	< 30	< 30
Free chlorine [ppm]	< 0.1	< 0.1	< 0.1
TOC-value [ppm]	< 2	< 2	< 2
Hardness [as CaCO ₃] [ppm]	< 300	< 300	< 300
Iron/manganese [mg/l]	< 0.05	< 0.05	< 0.05
Silica [ppm]	< 30	< 30	< 30
pH range	4 up to 10	4 up to 10	4 up to 10
* Feed water with high conductivity can reduce the service life of the cartridges and increase the conductivity of type III water. If the conductivity is between 800 and 2000 µS/cm, we recommend using a water softener		** With an SDI/FI between 3 and 5, pre-treatment must be used	

Technical data			
Feedwater connection	R 3/4"	R 3/4"	R 3/4"
Electrical connection [Volt/Hz]	90–240/50–60	90–240/50–60	90–240/50–60
Connected load [kW]	0.1	0.1	0.1
Ambient temperature [°C]	4 up to 40 [Recommendation: 10 up to 25]	4 up to 40 [Recommendation: 10 up to 25]	4 up to 40 [Recommendation: 10 up to 25]
Dimensions Tower* [W x H x D mm]	511 x 1520 x 575	511 x 1520 x 575	511 x 1520 x 575
Dimensions Base cabinet tank [W x H x D mm]	511 x 800 x 575	511 x 800 x 575	511 x 800 x 575
Weight [kg]	38	36	39

* With OptiFill Dispenser

Article no.	System type	Typical applications
18500020	OmniaLab ^{RO} 20	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers
18500040	OmniaLab ^{RO} 40	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers
18500060	OmniaLab ^{RO} 60	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers

Accessoires	
19200020	Pre-treatment unit 5 µm + hardness stabilization
19200022	Pre-treatment unit 5 µm + activated carbon
19200056	Disinfection cartridge Omnia
19200057	Disinfectant Omnia – 1 Stk./Pkg.
19200058	Disinfection kit Omnia (cartridge + 1 pcs. disinfectant)
19200050	UV tank disinfection unit Omnia 254
19200054	UV flow-through disinfection 254
19200100	Docking tank volume 100 liters
16561201	External pump station 2 m³/h – 3.5 bar
19200500	Volume dosing Omnia

