## OmniaLab<sup>RO</sup> The big one. For H<sub>2</sub>O pure type III.

The OmniaLab<sup>RO</sup> 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<sup>RO</sup> 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.

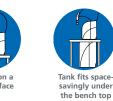
## **Features**

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





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Spezifikationen	OmniaLab <sup>RO</sup> 20	OmniaLab <sup>RO</sup> 40	OmniaLab <sup>RO</sup> 60
Reverse osmosis water type III			
Pure water performance I/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 <sub>2</sub> [ppm]	< 30	< 30	< 30
Free chlorine [ppm]	< 0.1	< 0.1	< 0.1
TOC-value [ppm]	< 2	< 2	< 2

< 300

< 0.05

< 30

4 up to 10

< 300

< 0.05

< 30

4 up to 10

< 300

< 0.05

< 30

4 up to 10

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

<sup>\*</sup> With OptiFill Dispenser

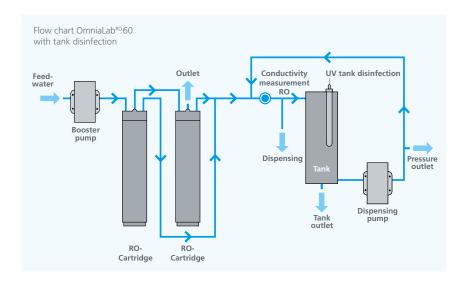
Hardness [as CaCO<sub>3</sub>] [ppm]

Iron/manganese [mg/l]

Silica [ppm]

pH range

Article no.	System type	Typical applications
18500020	OmniaLab <sup>RO</sup> 20	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers
18500040	OmniaLab <sup>RO</sup> 40	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers
18500060	OmniaLab <sup>RO</sup> 60	Feedwater for autoclaves and laboratory washers, ultrapure water systems and air humidifiers



Accessoire	s
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

<sup>\*</sup> 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  $\mu$ S/cm, we recommend using a water softener

<sup>\*\*</sup> With an SDI/FI between 3 and 5, pre-treatment must be used