

OmniaLab^{ED}

The efficient one. For H₂O pure type II.

OmniaLab^{ED} is the efficient solution when high quality pure water Type II is required for the complete lab supply. It is compliant with international water standards, such as ASTM, ISO 3696, CLRW (CLSI), and the combination with continual self-regenerating electro-deionization brings maximized economy. Further to this, the OmniaLab^{ED} system holds 100 liters of pure water in a storage tank with quality recirculation, ready to supply lab equipment. OmniaLab^{ED} is the efficient one for supplying autoclaves, lab machines and ultra-pure water systems.

Features

- OptiFill dispenser is standard
- Continuous residual salts removal by electro-deionization
- 100 litre storage tank with recirculation and pressure outlet
- Tank volume display in percent
- Tank volume can be modularly increased
- Simple, cost-effective filter replacement
- Leakage sensor is standard



One hand operation



Easy water dispensing



Flexible on a work surface



Tank fits space-savingly under the bench-top



Specifications	OmniaLab ^{ED} 20	OmniaLab ^{ED} 40	OmniaLab ^{ED} 70
Type II			
Pure water performance l/h at 15 °C	20	40	70
Conductivity* μS/cm	0.1–1	0.1–1	0.1–1
Resistance* MΩ x cm	10–1	10–1	10–1
TOC-value* ppb	< 30	< 30	< 30
Silicate removal* %	> 99	> 99	> 99
Dispensing performance dispenser l/min.	up to 2	up to 2	up to 2
Particles**/ml	< 1	< 1	< 1
Bacteria** CFU/ml	< 0.1	< 0.1	< 0.1
Pure water tank pressurized outlet	optional	optional	optional

Feedwater requirements

Softened water according to DIN 2000

Feedwater temperature °C	+2 up to 35	+2 up to 35	+2 up to 35
Manganese and iron content mg/l	< 0.05	< 0.05	< 0.05
Free chlorine content mg/l	< 0.1	< 0.1	< 0.1
Silt density index (SDI)	max. 3	max. 3	max. 3

Technical data

Operating pressure bar	2–6	2–6	2–6
Supply voltage Volt/Hz	90-240/50-60	90-240/50-60	90-240/50-60
Connected load kW	0.25	0.25	0.25
Connector size	3/4"	3/4"	3/4"
Ambient temperature °C	+2 up to +35	+2 up to +35	+2 up to +35
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 mm	511 x 800 x 575	511 x 800 x 575	511 x 800 x 575
Weight kg	41	41	43

* in dependence on the feedwater quality

** with sterilizing filter 0.2 μm

*** with OptiFill Dispenser

Article no.	System type*	Typical applications
18700021	OmniaLab ^{ED} 20	Feedwater for autoclaves, laboratory washers and ultrapure water systems
18700041	OmniaLab ^{ED} 40	Feedwater for autoclaves, laboratory washers and ultrapure water systems
18700071	OmniaLab ^{ED} 70	Feedwater for autoclaves, laboratory washers and ultrapure water systems

* RO cartridge, sterile filter capsule 0.2 μm, sterile overflow and sterile vent filter + CO₂ absorber included

Accessories

16125000	Water softener MixMulti 32
19200020	Pre-treatment unit OmniaLab – 10"
19200050	UV Tank disinfecting unit 254 nm
19200051	UV Flow through disinfection 254 nm
16561201	External pressure booster pump SC 3000

