

OmniaLab^{ED+}

The big one.

For H₂O pure types I + II.

OmniaLab^{ED+} is the system of choice when both pure water and ultrapure water are needed for the entire laboratory. The system complies with international water standards such as ASTM, ISO 3696 and CLSI. The economy of it is maximized by the inclusion of a continuously self-regenerating electrodeionizer, without having to give any demanding analytical applications a pass. Further to this, the OmniaLab^{ED+}-system holds 100 liters of pure water Type II ready for withdrawal in a storage tank with quality recirculation. It is so predestined for supplying autoclaves or lab washing machines and the dispensing of Type 1 ultra pure water for analytical and bioscience applications.

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}
Type II		
Pure water performance l/h at 15 °C	20	40
Conductivity [$\mu\text{S/cm}$]	0.067–1	0.067–1
Resistance [$\text{M}\Omega \times \text{cm}$]	15–1	15–1
Silicate removal* [%]	99.9	99.9
Pure water tank pressurized outlet	optional	optional
Type I		
Conductivity [$\mu\text{S/cm}$]	0.055	0.055
Resistance [$\text{M}\Omega \times \text{cm}$]	18.2	18.2
TOC-value* [ppb] (with UV-unit)	1–5	1–5
Dispensing performance dispenser [l/min.]	up to 2	up to 2
Particles** [1/ml]	< 1	< 1
Bacteria** [CFU/ml]	< 0.1	< 0.1

Feedwater requirements

Softened water according to DIN 2000		
Feedwater temperature [°C]	+2 up to 35	+2 up to 35
Manganese and iron content [mg/l]	< 0.05	< 0.05
Free chlorine content [mg/l]	< 0.1	< 0.1
Silt density index (SDI)	max. 3	max. 3

Technical data

Operating pressure [bar]	2–6	2–6
Supply voltage [Volt/Hz]	90-240/50-60	90-240/50-60
Connected load [kW]	0.25	0.25
Connector size	3/4"	3/4"
Ambient temperature [°C]	+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
Dimensions Base cabinet tank [mm]	511 x 800 x 575	511 x 800 x 575
Weight [kg]	43	43

* in dependence on the feedwater quality

** with sterilizing filter 0.2 μm

*** with OptiFill Dispenser

Article no.	System type*	Typical applications
18700020	OmniaLab ^{ED+20}	Feedwater for autoclaves and laboratory washers
18700040	OmniaLab ^{ED+40}	Feedwater for autoclaves and laboratory washers

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

Accessories	
16125000	Water softener MixMulti 32
19200021	Pre-treatment unit OmniaLab – 10"
19200050	UV Flow through disinfection – 254 nm
19200052	UV Unit for TOC reduction – 254 nm
16561201	External pressure booster pump SC 3000

