

OmniaLab^{DS}

The reliable one.

For H₂O pure type II + CLRW (CLSI)
+ DIN EN 285 + EN ISO 15883

When safety is first priority and the quality of the purification decides the quality of results, then the OmniaLab^{DS} system is the perfect solution. Even for large pure water quantities of up to 60 l/h, OmniaLab^{DS} guarantees international water standards compliance. The combination of regenerative polishing cartridge and an optional emergency supply makes this system extremely reliable for supplying clinical analytical systems, as well as for feeding water to steam sterilizers and washer-disinfectors.

Features

- OptiFill Dispenser is standard
- 100 l tank with quality recirculation and pressure outlet
- Tank volume display in percent
- Tank volume can be modularly increased
- Simple, cost-effective filter replacement
- Leakage sensor is standard
- Emergency supply (optional)
- Degassing unit (optional)



One hand operation



Easy water dispensing



Flexible on a work surface



Tank fits space-savingly under the bench top



Specifications	OmniaLab ^{DS} 20	OmniaLab ^{DS} 40	OmniaLab ^{DS} 60
Pure water value type II + CLRW (CLSI) DIN EN 285 + ISO EN 15883			
Pure water performance l/h at 15 °C	20	40	60
Conductivity [µS/cm]	0.1 up to 1.0	0.1 up to 1.0	0.1 up to 1.0
Resistance [MΩ x cm]	10 up to 1	10 up to 1	10 up to 1
Dispensing performance dispenser [l/min.]	up to 2	up to 2	up to 2
Particles* [1/ml]	< 1	< 1	< 1
Bacteria* [CFU/ml]	< 0.01	< 0.01	< 0.01
Pure water tank pressurized outlet	100 l/h - 2 bar	100 l/h - 2 bar	100 l/h - 2 bar

** With sterile filter capsule 0.2 µm

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
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 (without polisher cartridge) [kg]	39	38	40

* With OptiFill Dispenser

Article no.	System type*	Typical applications
18800020	OmniaLab ^{DS} 20	Feedwater for clinical analyzers, cleaning and disinfection devices, sterilizers
18800040	OmniaLab ^{DS} 40	Feedwater for clinical analyzers, cleaning and disinfection devices, sterilizers
18800060	OmniaLab ^{DS} 60	Feedwater for clinical analyzers, cleaning and disinfection devices, sterilizers

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

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
12280050	Spare/second cartridge type DS 2800 RV
19200040	Emergency supply
19200041	Degassing unit
19200100	Docking tank volume 100 liters
16561201	External pump station 2 m ³ /h – 3.5 bar
19200500	Volume dosing Omnia

