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 I 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)



Easy water







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 I/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 [M Ω 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 CaCO₃] [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 water. If the conductivity is between 800 and			** 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

511 x 800 x 575

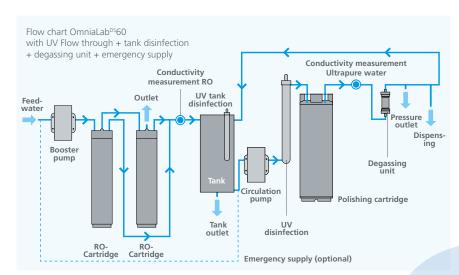
39

Dimensions Base cabinet tank [W x H x D mm]

Weight (without polisher cartridge) [kg]

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 μ m, sterile overflow and sterile vent filter + CO $_2$ absorber included



Accessoires	5		
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		

511 x 800 x 575

40

511 x 800 x 575

38

^{*} With OptiFill Dispenser