OmniaLab^{DS}

The reliable one.
For H_2O pure type II + CLRW (CLSI).

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 80 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

Omnia pure and ultrapure water systems. Convenient. Compact. Adaptable.

Specifications	OmniaLab DS20	OmniaLab DS40	OmniaLab DS60	OmniaLab DS80
Type II + CLRW (CLSI) **DIN EN 285 + ISO EN 15883**				
Pure water performance l/h at 15 °C	20	40	60	80
Conductivity µS/cm	0.1 – 1.0	0.1 – 1.0	0.1 – 1.0	0.1 – 1.0
Resistance MΩ x cm	10 – 1	10 – 1	10 – 1	10 – 1
Dispensing performance dispenser l/min.	up to 2	up to 2	up to 2	up to 2
Pure water tank pressurized outlet	optional	optional	optional	optional
Particles*/ml	< 1	< 1	< 1	< 1
Bacteria* CFU/ml	< 0.1	< 0.1	< 0.1	< 0.1

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

Technical data				
Operating pressure bar	2 – 6	2 – 6	2 – 6	2 – 6
Supply voltage Volt/Hz	90-240/50-60	90-240/50-60	90-240/50-60	90-240/50-60
Connected load kW	0.1	0.1	0.1	0.1
Connector size	3/4"	3/4"	3/4"	3/4"
Ambient temperature °C	+2 up to +35	+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	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	511 x 800 x 575
Weight kg (without polishing cartridge)	39	39	40	40

*with sterilizing filter 0.2 µm   **with OptiFill Dispenser

Article no.	System type	Typical applications
18800020	OmniaLab DS20	Feedwater for analyzers, autoclaves and laboratory washers
18800040	OmniaLab DS40	Feedwater for analyzers, autoclaves and laboratory washers
18800060	OmniaLab DS60	Feedwater for analyzers, autoclaves and laboratory washers
18800080	OmniaLab DS80	Feedwater for analyzers, autoclaves and laboratory washers

*RO cartridge, stainless steel polishing cartridge, sterile filter capsule 0.2 µm, sterile overflow and sterile vent filter + CO_2 absorber included

Accessories	
19200020	Pre-treatment unit OmniaLab – 10"
19200050	UV tank disinfection unit 254 nm
19200051	UV Flow through disinfection 254 nm
12280050	Replacement/second polishing cartridge type DS 2800 RV
19200040	Emergency supply
19200041	Degassing unit
16561201	External pressure booster pump SC 3000

Flow chart OmniaLab DS80
with UV Flow through + tank disinfection
+ degassing unit + emergency supply

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