



LABOSTAR® 10 RO + RO DI

HIGH QUALITY, LOW PRICE

The LaboStar® RO and RO/DI series produce high quality water with very low energy consumption. The use of “low energy” membranes enable a very efficient and economical operation.

All LaboStar RO and RO/DI systems are equipped with a built-in 7 l storage tank. Pure water is collected in the tank and is recirculated by an integrated pump. LaboStar RO produces Type III water. LaboStar RO/DI is equipped with an additional final DI cartridge. This cartridge polishes the RO water to Type II quality < 0.1 µS/cm. Both units offers two extraction ports: water can be extracted under pressure from the Point-of-use dispenser or from the outlet on the back of the unit.

Optionally, a charged 0.2 µm sterile filter at the dispenser can be used to remove bacteria and endotoxins. An uncharged 0.2 µm sterile filter is also available. The 7 l storage tank capacity can be increased by an additional 30 or 60l tank.

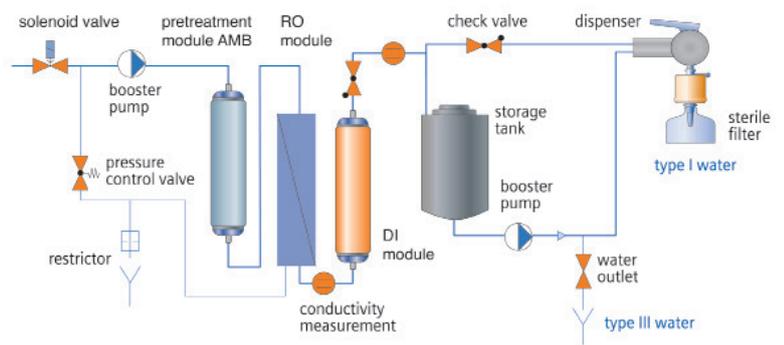
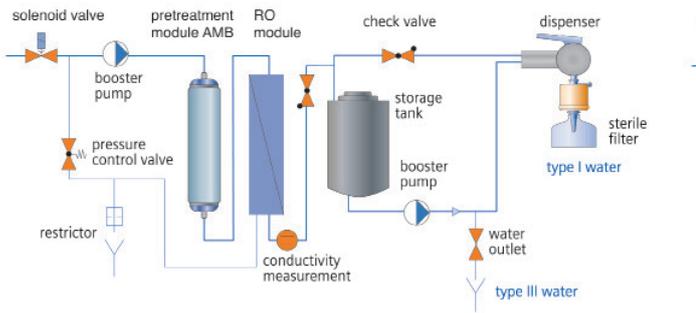
LaboStar RO/DI systems are delivered with the first set of all modules and filters required for immediate operation.

LaboStar RO/DI Advantages

- Connection to municipal drinking water supply
- 7 liter built-in storage tank
- Pure water circulation right into the dispenser head
- Easy to dispense water using the practical POU dispenser
- 0.2 µm sterile filter with or without endotoxins retention as option available
- Whisper operation mode
- Rapid and simple disinfection
- Conductivity monitoring of RO and DI water
- Easy module exchange via quick-release connections

Typical Applications

- PCR
- IC
- Pathology
- Cytology + histology work
- Buffer preparation
- Photometry and spectrophotometry
- Media preparation
- Electrophoreses
- General Chemistry
- Feed for laboratory ultra-pure water systems
- Final Rinse of laboratory washing machines



SPECIFICATIONS

System Performance		LaboStar 10 RO	LaboStar 10 RO DI
RO Production rate @ 15°C	l/h	10	10
RO Production rate @ 20°C	l/h	11	11
RO Production rate @ 25°C	l/h	13	13
Rejection rate for ions	%	98	98
Rejection rate for bacteria	%	99	99
Rejection rate for particles	%	99	99
Permeate conductivity	µS/cm	depending on tap water	< 0.1
Bacteria*	cfu/ml	< 1	< 1
Particles > 0.2 µm*	per ml	< 1	< 1
Dispenser flow rate up to	l/min	1.2	1.2
output flow rate @ 0,5 bar	l/h	70	70
output flow rate @ 1,0 bar	l/h	65	65

Feed Water Specifications

Pressure	bar	0.1-5	0.1-5
Conductivity	µS/cm	< 2000	< 2000
Colloid Index	SDI	< 3	< 3
Free Chlorine	mg/l	< 0.5	< 0.5
Fe	mg/l	< 0.1	< 0.1
CO ² max.	mg/l	<15	<15
Temperature	°C	5-35	5-35
Shipping weight	kg	23	24
Power supply	v/Hz	100-240/50/60	100-240/50/60
Dimension: H/W/D	mm	535/290/400	535/290/400
Item number		W3T324492	W3T324493

* = only in combination with 0.2 µm sterile filter

CONSUMABLES & ACCESSORIES

Item Number	Description	Change Frequency
W3T197613	Replacement Pre-treatment module AMB	3 - 6 months *
W3T197620	Replacement RO Module 10 l/h	2 - 3 years
W3T197618	Replacement DI Cartridge VMD	3 - 6 months *
W3T199279	Sterile filter 0.2 µm with endotoxin retention (pack of 3 filters)	6 months
W3T199209	Sterile filter 0.2 µm (pack of 3 filters)	6 months
W3T199880	Vent Filter for built-in 7 l storage tank (pack of 3 filters)	12 months
W3T197552	CO2 Trap CT1 with Vent Filter VT1 Kit for 30 and 60 l tank	12 months
W3T324494	30 l Extension storage tank	-
W3T324495	60 l Extension storage tank	-
W3T199991	Wall bracket ET30 for 30 l tank	-
W3T197563	Wall bracket ET60 for 60 l tank	-
W3T314413	CO2 Degassing unit (max. 150 l/h)	-

* = Cartridge exchange may be more frequent. Subject to feed water quality and consumption.



Fahrenberg 8, 22885 Barsbuettel, Germany

Tel. +49 (0)40 670 868 -6

Fax +49 (0)40 670 868 -44

www.evoqua.com/en/brands/lab



PL 16 (Palokorvenkatu 2)

04261 Kerava

Puh. 010 417 4500

hyxo@hyxo.fi • www.hyxo.fi

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