



## LABOSTAR® 10 RO DI REVERSE OSMOSIS SYSTEM

### HIGH QUALITY, LOW PRICE

The LaboStar® 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.

Each LaboStar 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 DI is equipped with an final DI cartridge. This cartridge polishes the RO water to Type II quality < 0.1 µS/cm. The unit 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 60 l tank.

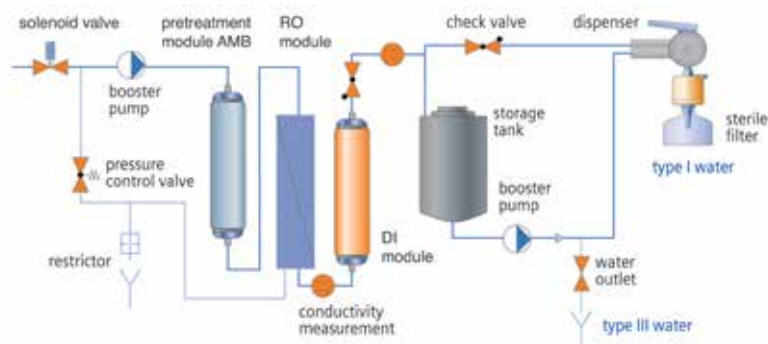
The LaboStar RO DI system is delivered with the first set of all modules and filters required for immediate operation.

### Benefits

- 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

- 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 DI
Delivery flow rate	l/h	10
Salt retention	%	96
Bacteria retention	%	99
Particle retention	%	99
Permeate conductivity	µS/cm	< 0.1
Bacteria*	cfu/ml	< 1
Particles > 0.2 µm*	per ml	< 1
Max. delivery flow rate	l/min	1.2
Delivery flow rate @ 0.5 bar	l/h	70
Delivery flow rate @ 1.0 bar	l/h	65
<b>Feed Water Specifications</b>		
Pressure	bar	0.1 - 5
Conductivity	µS/cm	< 2000**
Silt density index	SDI	< 12**
Free Chlorine	mg/l	< 0.5**
Total iron	mg/l	< 0.1
CO <sub>2</sub>	mg/l	< 15**
Temperature	°C	5 - 35
Shipping weight	kg	24
Power supply	V/Hz	100-240/50/60
Dimension (H/W/D)	mm	535/290/400
Item code		W3T324493

\* = only in combination with a 0.2 µm sterile filter

\*\* = with a pre-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	CO <sub>2</sub> 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	Degassing unit (max. 150 l/h)	-

\* Change intervals possibly shorter, depending on feed water and consumption.



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