



## SPECIFICATIONS

Ultrapure water specifications		LaboStar PRO DI 2	LaboStar PRO DI 4	LaboStar PRO UV 2	LaboStar PRO UV 4
Delivery flow rate	l/min	1.5*	1.5*	1.5*	1.5*
Conductivity	µS/cm	0.055	0.055	0.055	0.055
Resistivity	MΩ-cm	18.2	18.2	18.2	18.2
TOC*1	ppb	5 - 10	5-10	1 - 5	1 - 5
Bacteria	cfu/ml	< 0.1	< 0.1	< 0.1	< 0.1
Endotoxins	EU/ml	< 0.001**	< 0.001**	< 0.001**	< 0.001**
Particles > 0.2 µm	per ml	< 1	< 1	< 1	< 1
Feed water specifications					
Feed water pressure	bar	0.1 - 6	-	0.1 - 6	-
Initial conductivity	µS/cm	< 20	< 20	< 20	< 20
Silt density index	SDI	< 12***	< 12***	< 12***	< 12***
TOC	ppb	< 50	< 50	< 50	< 50
Free Chlorine	mg/l	< 0.1	< 0.1	< 0.1	< 0.1
Total iron	mg/l	< 0.1	< 0.1	< 0.1	< 0.1
CO <sub>2</sub>	mg/l	< 15	< 15	< 15	< 15
Water temperature	°C	5 - 35	5 - 35	5 - 35	5 - 35
Ambient temperature	°C	5 - 35	5 - 35	5 - 35	5 - 35
Power requirements					
Power consumption	W	270	270	270	270
Power supply	V/Hz	100 - 240 V / 50 - 60 Hz	100 - 240 V / 50 - 60 Hz	100 - 240 V / 50 - 60 Hz	100 - 240 V / 50 - 60 Hz
Dimensions (HxWxD)	mm	535x400x410	535x400x520	535x400x410	535x400x520
Shipping weight	kg	21	24	23	24
Item code		W3T324339	W3T409684	W3T324340	W3T324491

\* depends on primary pressure, min. 1.0 LPM > 0.1 bar inlet pressure

\*\* Incl. charged sterile filter (the water is free of any detectable RNase or DNase)

\*\*\* with a pre-filter

\*1 TOC Monitoring with UV Model

If the feedwater conductivity is >20 µS/cm, catalogue # W3T197620 is highly recommended.

## APPLICATION

- GC
- IC
- QC Food Industry
- Pyrogen Sensitive Applications
- Cell & Tissue Culture
- ICP / ICP-MS
- Micro & Molecular Biology
- PCR
- HPLC
- TOC
- LC-MS

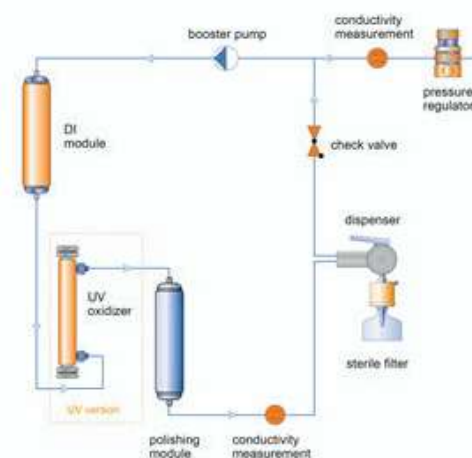
**RNase and DNase FREE WATER WITH THE USE OF STERILE FILTER**

**RNase < 0.05 pg/ml**

**DNase < 10 pg/µl**

## CONSUMABLES & ACCESSORIES

Item Number	Description	Change Frequency
W3T197618	Pretreatment module VMD (systems without UV)	6 - 12 months
W3T197621	Pretreatment module DTO (systems with UV)	6 - 12 months
W2T558521	UV replacement bulb	12 months
W3T197694	Polishing Module MFIID	6 - 12 months
W3T199853	Polishing Module ILT (Boron Removal)	6 - 12 months
W3T199279	Sterile filter 0.2 µm with endotoxin retention (pack of 3)(Autoclavable)	6 months
W3T199209	Sterile filter 0.2 µm without endotoxin retention (pack of 3) (Autoclavable)	6 months
W3T199768	Disinfection kit (pack of 3)	-



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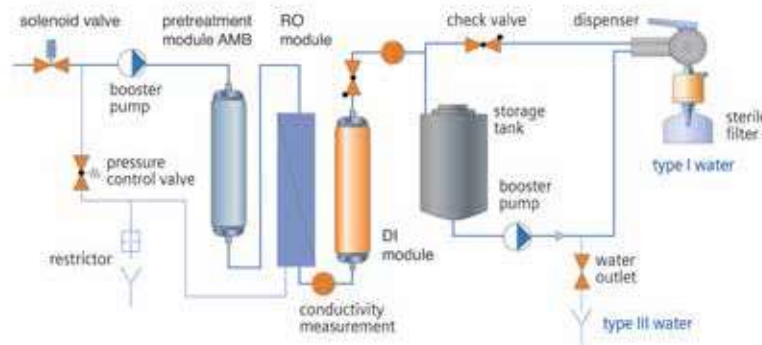
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# Type 2(Pure) water



## SPECIFICATIONS

System Performance		10 RO DI
Delivery flow rate	l/h	10
Salt retention	%	96
Bacteria retention	%	99
Particle retention	%	99
Permeate conductivity	$\mu\text{S/cm}$	< 0,1
Bacteria*	cfu/ml	< 1
Particles > 0,2 $\mu\text{m}$ *	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
Feed Water Specifications		
Pressure	bar	0,1 - 5
Conductivity	$\mu\text{S/cm}$	< 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

\* = only in combination with a 0,2  $\mu\text{m}$  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 $\mu\text{m}$ with endotoxin retention (pack of 3 filters)	6 months
W3T199209	Sterile filter 0,2 $\mu\text{m}$ (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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