



## ULTRA CLEAR™ RO DI

### HIGH QUALITY - LOW PRICE

The Ultra Clear™ RO DI Series delivers permeate water with a salt reduction of approximately 98 %. The Ultra Clear RO DI Series system will polish the RO permeate to a quality of  $< 0.1 \mu\text{S}/\text{cm}$ . At a 98 % rejection rate, the RO permeate water that originated from a  $400 \mu\text{S}/\text{cm}$  feed water source would still have a conductivity of about  $8 \mu\text{S}/\text{cm}$ . The Ultra Clear RO DI Series System polishes this water to  $< 0.1 \mu\text{S}/\text{cm}$ . The deionization module is delivered with the Ultra Clear RO DI Series System. These modules are directional and will require replacing at a frequency dependent on feed water quality and water consumption. A changing interval of about 3 months is typical. The DI modules are a lower cost alternative to electro-deionization systems such as our Ultra Clear RO EDI Systems. However, a regular change of the modules are necessary.

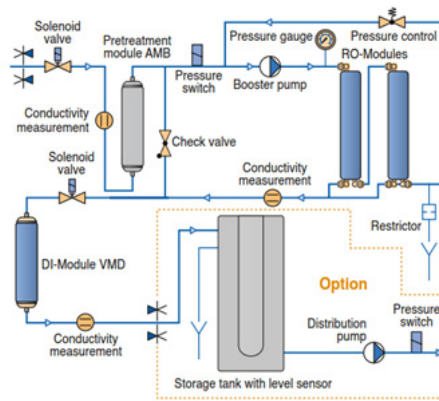
An Ultra Clear RO system with DI module delivers water with a quality that fulfills the needs of most laboratory requirements. All systems display inlet and product water quality. The salt reduction rate will be shown in percentage.

Storage Tanks are available with 30, 60 and 80 liter. There are storage tanks up to 3.000 liter available as needed.

### Typical Applications

- Feed for laboratory ultrapure water systems
- General chemistry
- Laboratory washing machines including final rinse
- Feed for autoclaves and climate chambers
- Buffer preparation
- Photometry,
- Spectrophotometry
- Media preparation





## SPECIFICATIONS

		Ultra Clear RO DI 20	Ultra Clear RO DI 30
<b>System Performance</b>			
Production rate	l/h	20	30
Permeate conductivity	µS/cm	< 0,1	< 0,1
Rejection rate up to	%	98	98
Rejection rate for bacteria	%	99	99
Rejection rate for particles	%	99	99
<b>Feed Water Specifications</b>			
Pressure	bar	2 - 6	2 - 6
Conductivity	µS/cm	< 2000	< 2000
CO2 max.	mg/l	<15	<15
Colloid Index	SDI	< 3	< 3
Free Chlorine	mg/l	< 0,1	< 0,1
Fe	mg/l	< 0,1	< 0,1
Shipping weight	kg	33	34
Power consumption	kW/h	0,2	0,2
Power supply	v/Hz	240/50-60*	240/50-60*
Dimension (HxWxD)	mm	530x340x420	530x340x420
<b>Catalog Number</b>		<b>W3T324499</b>	<b>W3T324500</b>

\* = 115V upon request

## CONSUMABLES & ACCESSORIES

Item Number	Description	Change Frequency
W3T199202	Tank 30l	
W3T199891	Tank 60l	
W3T197510	Tank 80l incl. Pump 8 l/min	
W3T197526	Tank 80l incl. Pump 1.2 l/min	
W3T197613	Pre-treatment module AMB	3 - 6 months *
W3T197618	Deionization module VMD	3 months *
W3T197620	RO module 10 l/h + 30 l/h	2 - 3 years
W3T328295	RO module 20 l/h **	2 - 3 years
W3T199197	CO <sup>2</sup> Trap CT1, replacement	12 months
W3T199748	UV-Lamp 30-Liter-Tank	12 months
W3T199779	CO <sup>2</sup> + UV Kit for 30l	12 months
W3T199284	UV-Lamp 60-Liter-Tank	12 months
W3T198870	CO <sup>2</sup> + UV Kit for 60l	12 months
W3T197514	UV-Lamp 80-Liter-Tank	12 months
W3T199837	CO <sup>2</sup> -Trap CT 1 / Vent-Filter for 80l	12 months
W3T199615	UV-Lamp 80-Liter-Tank	12 months

\* = Cartridge exchange may be more frequent. Subject to feed water quality and consumption.  
\*\* = Amount of modules depends on system size.



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