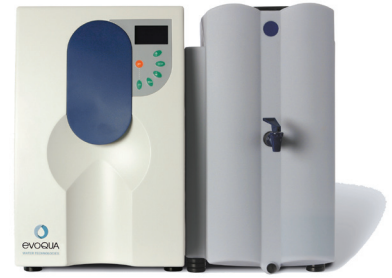


Ultra Clear™ RO DI Pure Water System



HIGH QUALITY - FAVORABLE PRICE

The Ultra Clear™ RO DI system produces pure water through reverse osmosis with a salt retention rate of < 98%. Feed water with a conductivity of 400 $\mu\text{S}/\text{cm}$ still has a conductivity of approx. 8 $\mu\text{S}/\text{cm}$ after the reverse osmosis. What is special about this system is that the downstream DI module removes the remaining salts and particles in a further deionization process and purifies the water to a quality of < 0.1 μS . The Ultra Clear RO system with DI module delivers a water quality that meets or even exceeds most laboratory requirements.

The initial delivery includes a pre-treatment and deionization module. These must be replaced regularly, depending on the water consumption and quality of the inlet water.

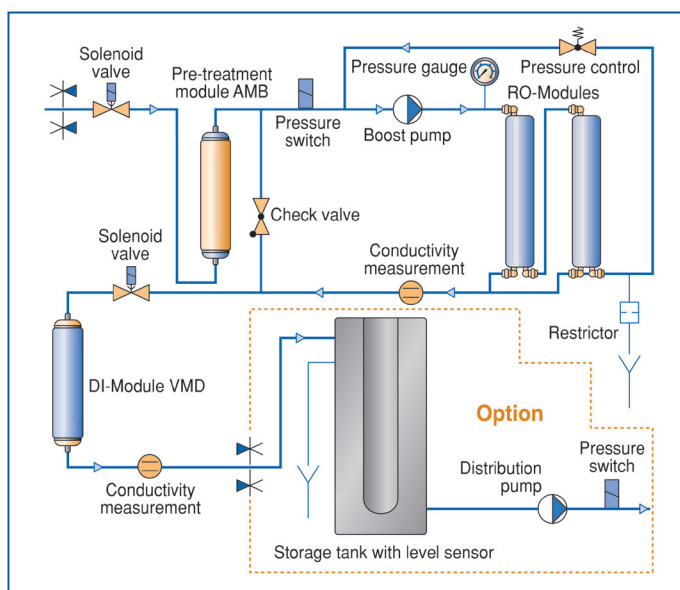
Storage tanks are available in standard sizes of 30, 60 and 80 liters.

BENEFITS

- Easy module exchange due to quick coupling technology
- Service/maintenance messages
- High capacity of DI modules
- Scope of supply includes consumables
- Made in Germany

TYPICAL APPLICATIONS

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



SPECIFICATIONS

System performance		Ultra Clear RO DI 20	Ultra Clear RO DI 30
Production rate	l/h	20	30
Permeate conductivity	%	< 0.1	< 0.1
Rejection rate	%	< 98	< 98
Rejection rate for bacteria	%	> 90	> 90
Rejection rate for particles	%	< 99	< 99
Feed water specifications			
Pressure	bar	0.1 - 5.0	0.1 - 5.0
Conductivity	µS/cm	< 1400	< 1400
CO ₂	mg/l	< 20	< 20
Silt density index	SDI	< 3	< 3
Free chlorine	mg/l	< 0.1	< 0.1
Total iron	mg/l	< 0.1	< 0.1
Power requirements			
Power consumption	kW/h	0.2	0.2
Power supply	V/Hz	100 - 240 V/ 50 - 60 Hz	100 - 240 V/ 50 - 60 Hz
Dimensions (W x H x D)			
	mm	340 x 530 x 420	340 x 530 x 420
Shipping weight			
	kg	33	34
Item number			
		W3T441747	W3T441748



CONSUMABLES

Item number	Description	Change frequency*
W3T197613	Pre-treatment module AMB	3 - 6 months
W3T197618	Deionization module VMD	3 months
W3T197620	RO module 10 l/h **	2 - 3 years
W3T439875	RO module 15 l/h ***	2 - 3 years
W3T199197	CO ₂ Trap CT1, replacement 30, 60, 80 l tank	12 months
W2T558519	UV lamp 30, 60, 80 l tank	12 months

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

** 2 x W3T197620 for Ultra Clear RO DI 20

*** 2 x W3T439875 for Ultra Clear RO DI 30

TESTKITS

Item number	Description
W2T870161	Testkit Carbon dioxide
W2T870160	Testkit Silica

ACCESSORIES

Item number	Description	Change frequency*
W3T324512	Tank 30 l	
W3T324513	Tank 60 l without pump	
W3T355215	Tank 60 l with pump 1.5 l/min	
W3T324515	Tank 80 l with pump 8 l/min	
W3T324514	Tank 80 l with pump 1.2 l/min	
W3T339714	CO ₂ + UV kit for 30 l	12 months
W3T339715	CO ₂ + UV kit for 60 l	12 months
W3T324529	UV kit 30, 60 l tank	12 months
W3T339692	UV lamp 80 l tank	12 months
W3T314413	Degassing unit	
W3T428768	Modbus TCP Gateway (LAB)	

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



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