# xylem + O evoqua

### Ultra Clear® RO Pure Water System

#### **HIGHLY EFFICIENT & COST EFFECTIVE**

The Ultra Clear® RO series produces high-quality, pure water from soft or hard stabilized drinking water using reverse osmosis. With a high salt retention rate and low energy consumption, the low-energy membranes ensure efficient and economical operation.

Integrated, automatic membrane flushing programs allow the units to operate on untreated municipal water. The factoryset product water recovery rate goes up to 50%, and with an optional softening system, a recovery of up to 75% can be achieved. The display indicates input and product water quality, conductivity, fault messages, as well as tank level, operating pressure, maintenance intervals, and more.

For the operation of reverse osmosis systems, Evoqua recommends the use of a storage tank to obtain a system that is ideally matched to the desired production needs. All models include a choice of tank sizes to meet different volume requirements and to compensate for short-term higher-thannormal demands.

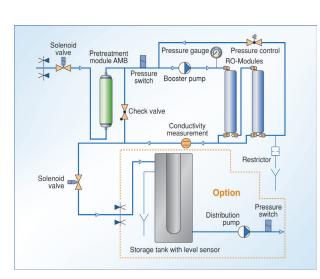


#### BENEFITS

- Simple change of modules due to quick-fit coupler
- Service/ maintenance report
- 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 environmental chambers
- Buffer preparation



#### **SPECIFICATIONS**

Item Number	W3T441745	W3T441746	W3T199978	W3T198158
Shipping weight (kg)	32	32	33	35
Dimension (H $\times$ B $\times$ T) (mm)	530 x 340 x 420			
Power Supply(V/Hz)	100 - 240/50 - 60		230/50-60	
Power consumption ( <b>kW/h</b> )	0,2	0,2	1,8	1,8
Technical Data				
Temperature (°C)	5 - 30	5 - 30	5 - 30	5 - 30
рН	3 - 9	3 - 9	3 - 9	3 - 9
CO <sub>2</sub> (mg/l)	< 15	< 15	< 15	< 15
Total Iron (mg/l)	< 0,1	< 0,1	< 0,1	< 0,1
Free Chlorine (mg/l)	< 0,1	< 0,1	< 0,1	< 0,1
Colloid Index (SDI)	< 3	< 3	< 3	< 3
Conductivity (µS/cm)	< 2000	< 2000	< 2000	< 2000
Pressure (bar)	0,1 - 5,0	0,1 - 5,0	2 - 6	2 - 6
Feed Water Specifications				
Rejection rate for particles (%)	> 99	> 99	> 99	> 99
Rejection rate for bacteria (%)	> 99	> 98	> 99	> 99
Rejection rate** up to (%)	> 98	> 98	> 98	> 98
Production rate (I/h)	20	30	60	100
Jitra Clear RO	20	30	60	100



Ultra Clear RO System with 80 L tank

\*: 115 V upon request; \*\*: based on the RO membrane elements actually used

#### **CONSUMABLES\***

#### Item Number Description W3T197613 Pretreatment module AMB W3T197620 RO module 10 l/h + 20 l/h for Ultra Clear RO 10 and RO 20 W3T439875 RO module HP, 98%, 15 l/h W3T439041 2 x 10 l/h RO module retrofit kit Ultra Clear RO 20 W3T439913 2 x 15 l/h RO module retrofit kit Ultra Clear RO 30 W3T197580 RO module Ultra Clear RO 20 up to Ultra Clear RO 100 and Ultra Clear EDI 55 W3T197618 Pretreatment module VMD for inorganic application W3T199848 Conditioning module

\* : Change intervals may be shorter, depending on feed water and consumption.

#### TEST KITS

W2T870161 Carbon Dioxide test kit					
		Carbon Dioxide test kit	*: Other accessories available on request **: Change intervals may be shorter, depending on feed water and consumption ***: Must be operated in conjunction		
	W2T870160	Silica test kit	a filter housing including a filter cartridge.		



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#### ACCESSORIES\*

ACCESSORIES				
Item Number	Description			
W3T324512	30 I tank with level sensor 4-20 mA as of 2015			
W3T324513	60 I tank with level sensor 4-20 mA as of 2015			
W3T355215	60 l tank with level sensor 4-20 mA; pump 1.5 l/min 2 bar as of 2015			
W3T324515	80 l with pump 8 l/min 4-20 mA as of 2015*			
W3T324514	80 I tank with pump 1.2 I/min 4-20 mA as of 2015*			
W3T197510	80 I tank with pump 8 I/min 4-20 mA until yoc 2015**			
W3T197526	80 I tank with pump 1.2 I/min 4-20 mA until yoc 2015**			
W3T339714	CO2/UV kit for Ultra Clear 30   tank**			
W3T339715	CO2/UV kit for Ultra Clear 60   tank**			
W3T199837	CO <sub>2</sub> -Falle CT1/Vent-Filter für 80 I**			
W3T314413	Degassing unit up to max. 150 l/h***			
W3T428768	Communication Interface Module (LAB)			