

## Ultra Clear™ RO 150 Basic Pure Water System



### LOW COST - HIGH PERFORMANCE

This is our most affordable RO purification system with high pure-water output. It produces up to 150 l/h pure water directly from tap or softened water and delivers it pressure-less into the built-in 1000 liter storage tank. The tank is equipped with float switches to regulate the water production. A softener is recommended if the water hardness exceeds 10° German Hardness.

The system consists of:

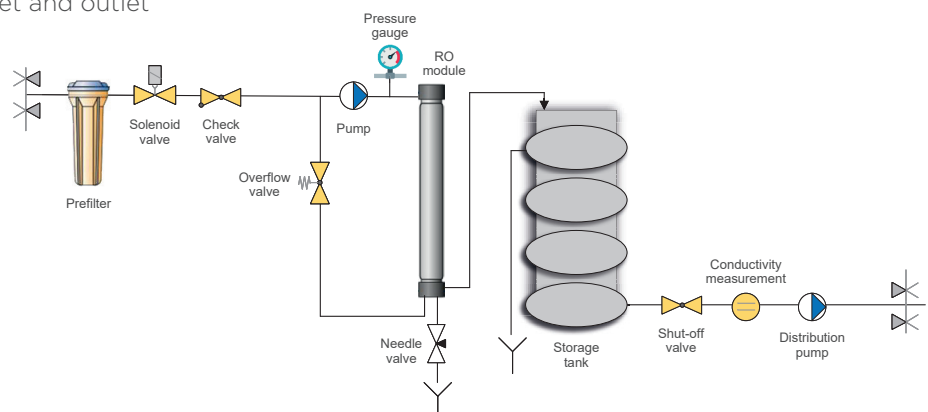
- Solenoid valve for inlet water
- Filter housing with a pretreatment consisting of active carbon and particle filter
- Dry run protection for RO pump
- RO pump with AC motor mounted on vibration adsorption holder
- Pressure gauge to indicate operation pressure
- 1 RO-membrane made of Polyamide
- 1 stainless steel vessel for RO membranes with PP end caps
- Conductivity sensor  $c = 0.2$
- Restrictor to adjust the concentrate flow
- 1000 l storage tank
- Conductivity meter LFW 200 with display for conductivity and temperature, adjustable limit settings with acoustic signal
- Distribution pump with output flow rate of 0.8 m<sup>3</sup>/h (3.3 bar) up to 3.5 m<sup>3</sup>/h (1.4 bar)
- Set of connecting hoses for inlet and outlet
- Filter housing wrench

### BENEFITS

- Compact design: RO, tank, booster pump with small footprint
- Low acquisition costs
- Includes digital conductivity meter
- Made in Germany

### TYPICAL APPLICATIONS

- Industry
- Galvanic
- Chemical applications
- Building cleaner
- Industrial glass cleaner
- Commercial/industrial kitchens
- Washing machines
- Car wash facilities



## SPECIFICATIONS

Ultra Clear RO Basic		
Product water capacity	l/h	150
Salt reduction rate	%	95 - 98
Bacteria reduction rate	%	< 99
Particle reduction rate	%	< 99
Operation pressure	bar	6 - 12
Operation and ambient temperature	°C	15 - 35
Input water connection		3/4"
Product water connection		3/4"
Power supply		230 V, 50 Hz
Dimensions (H x W x D)	mm	2150 x 800 x 1200
<b>Feed water requirements</b>		
Pressure	bar	2.0 - 6.0
Flow rate	l/h	300
Conductivity	µS/cm	< 2000
Free chlorine	mg/l	< 0.1
CO <sub>2</sub>	mg/l	< 20
Silt density index, SDI		< 3
Silica	mg/l	< 15
Iron	mg/l	< 0.1
Manganate	mg/l	< 0.05
pH value		3 - 9
Temperature	°C	5 - 35
<b>Catalog number</b>		<b>W3T199618</b>

## CONSUMABLES

Catalog number	Description
W2T526933	Activated carbon/Fine filter cartridge ACB

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