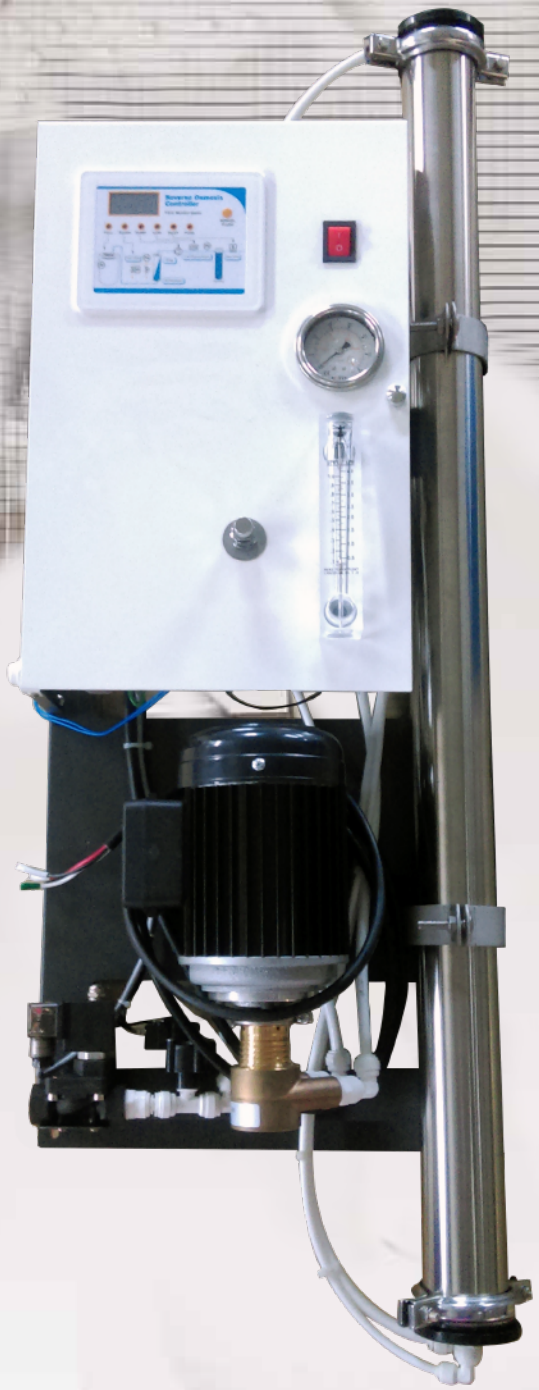
ROTEK
Purification For Life

RW800 (100-120 liters / hour) Reverse Osmosis Systems



ROTEK RW800 Wall Mounted Reverse Osmosis System

- The convenient, space efficient wall mountable RO systems are substantially lower in cost than frame-mounted RO systems, and are more cost-effective to ship.
- Fixed high recovery rate (50-75%) for easy installation and operation, without worry on correct way to adjust waste water ratio.
- Ultra low energy high flow membrane.
- Easy to operate, install and maintenance.

ROTEK RW800 wall mounted RO system is designed to produce low dissolved solids water from tap or well water, which use high efficiency reverse osmosis membrane. The RO product water is used in applications such as water stores, restaurants, labs, ice makers, humidification, misting and a wide variety of other applications.

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RW800 Wall Mounted Reverse Osmosis Systems

Product Description:

ROTEK RW800 Reverse Osmosis System is manufactured in the most cost effective way for commercial applications, such as restaurants, beverage/coffee shops, clinics, hydroponics...etc.
RW800 features a compact wall mount space-saving design and comes pre-assembled and easy to be installed. RW800 produces 800 gallons per day of purified water with fixed waste water recycling device which helps to save 50% of waste water compare to other RO systems in the market.

Specifications:

System Capacity : 800GPD/3,000LPD
Configuration : Single Pass
Feed Water TDS : < 1,000 ppm (mg/l)
Recovery Rate: 70%
Nominal Salt Rejection : 98%
Permeate Flow : 1.6LPM
Concentrate Flow : 0.5LPM
Feed Connection : 1/2" NPT
Permeate Connection : 3/8" Tube
Concentrate Connection : 1/4" Tube
Membrane Size / Quantity : 2540 / 1
Pump Type: Rotary Vane Pump 400LPH @ 12 Bar
Motor : 1/2HP
Electrical Voltage : 110V,60Hz,1PH,1.0A
220V,50Hz,1PH,0.5A
Packing Dimension : L50 x W120 x H20 cm
Packing Weight : 25 kg

Optional Items:

- ★ 20" 5 Micron PP Filter *(for sediment removal)*
- ★ 20" Carbon Block Filter *(for chlorine removal)*
- ★ 20" Manual Regenerable Softener *(for hardness removal)*
- ★ 10" Polyphosphate Filter *(for anti-scale)*
- ★ CIP System Skid *(for membrane cleaning)*

Operating Limits:

Design Temperature	77°F	Maximum Turbidity (NTU)	1
Max. Feed Temperature	85°F	Maximum Free Chlorine (ppm)	0
Min. Feed Temperature	40°F	Maximum TDS (ppm)	1,000
Max. Ambient Temperature	120°F	Maximum Hardness (ppm)	30
Min. Ambient Temperature	40°F	Maximum pH (Continuous)	11
Max. Feed Pressure psi	85	Minimum pH (Continuous)	3
Min. Feed Pressure psi	45	Maximum pH (Cleaning 30 Min.)	12
Maximum Operating Pressure psi (bar)	120	Minimum pH (Cleaning 30 Min.)	2
Maximum SDI Rating (SDI)	<3		

Raw water source and quality is the key element that directly effect on the choice of pre-treatment equipment, pumps, piping, membranes...etc.
ROTEK has been designing Reverse Osmosis systems, and their critical pretreatment equipment for over twenty years. Please don't hesitate to send us your inquiry and see how ROTEK can help to meet your water treatment needs.

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