

RW800 Wall-Mount RO System

ROTEK RW800GPD Reverse Osmosis Systems

ROTEK RW800 Reverse Osmosis System is an ideal solution for producing low-dissolved solids water from the tap or well water. With its compact, wall-mount design, the system comes pre-assembled and is easy to install.

The RW800 is capable of producing 800 gallons of purified water per day and includes a fixed wastewater recycling device that helps save up to 50% of wastewater compared to other RO systems on the market.

This system incorporates a high-efficiency reverse osmosis membrane that can be used in a variety of applications including water stores, restaurants, labs, ice makers, humidification, misting, and more. Specifically designed for commercial use, the RW800 is an affordable option for businesses such as restaurants, coffee shops, clinics, and hydroponic facilities.



RW800

Features

- With Rotary Vane Pump
- With Industrial RO Controller
- Recovery Rate: 30~70%
- Ultra-saving energy
- Easy to operate and maintain



The C5TM
RO Controller



The Rotary
Vane Pump

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)

Specifications

System Capacity	800GPD/120LPH	Concentrate Connection	1/4" Tube
Feed Water TDS	< 1,000 ppm (mg/l)	Electrical Voltage	110V,60Hz,1PH,1.0A 220V,50Hz,1PH,0.5A
Recovery Rate	30%-70%		
Nominal Salt Rejection	98%	Pump Type	Rotary Vane Pump 400LPH @ 12 Bar
Permeate Flow	2.5LPM		
Membrane Size/Quantity	2540 / 1	Motor	1/2HP
Feed Connection	1/2" NPT	Packing Dimension	L50 x W120 x H20 cm
Permeate Connection	3/8" Tube	Packing Weight	25 kg

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		