

## 1600 GPD RO SYSTEM



Compact Industrial reverse osmosis system is a durable piece of equipment that, with proper care and maintenance will last for many years. The systems are part of a family of reverse osmosis units designed for operation with fresh and brackish feedwaters having TDS values below 1,500ppm. Models are available with permeate outputs of between 150 and 1,000 litres/hr as shown in the specifications

Rating: Not Rated Yet

**Price**

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### Description

The rack has been changed from the original 38cm\*38cm to 25cm\*25cm. Now the dimension of the RO main host can reach 50cmx60cmx130cm, which is 40% smaller than the water treatment system on the market. We also have more compact spacers for parts, components, and smaller racks, which now have less material. Because we redesigned the frame and component construction, saving materials, and lower cost than conventional products. This RO water plant is especially suitable for customers who are sensitive to the product price and freight and also wants to develop new markets with a lower investment of costs.

### STRUCTURE

Although the structure of the product is redesigned, it does not affect the performance of the industrial Reverse Osmosis water plant, and it can maintain the same salt rejection rate, service life, and recovery rate as conventional products. The Reverse Osmosis salt rate of this RO host can reach 99%, so we don't have to worry about the purity of the water produced. The quality of the RO membrane plays a decisive role in water quality. We choose the internationally renowned brand DOW and VONTRON RO membrane to ensure the stability of water quality and its service life can be up to 2-3 years. RO membrane can effectively remove heavy metals, metal ions, bacterial viruses, etc. and the water can be directly consumed. The recovery rate is a value for adjusting the ratio of purified water to wastewater. The general recovery rate is set in the range of 45%-50%, but in fact, this recovery rate can also be adjusted by ourselves because we have set a regulating valve on the concentrated water pipeline

### FLOW RATE

The flow rate of this RO water plant is 250lph. After a large number of consumers survey, 250lph is the water mostly used by families or villas. It will not cause the excessive flow to lead to energy consumption and insufficient water consumption due to too little flow. And this RO water plant redesigned the appearance, the manufacturing cost is lower and the selling price is lower. This cheap RO water plant is especially popular in Africa. We have produced hundreds of machines and sold them to a dealer to open up the market. At the same time, we will equip the RO host with some parts, you can get the goods in 7 days at the earliest. If you have any questions, please feel free to ask us. Besides focusing on quality, a device needs to pay more attention to the dimension of the device and reduce the space for use. The dimension is large in the market and the volume can reach 65.5\*55\*131CM.

Dimensions Because the dimension is heavier than the weight where the freight is calculated according to the dimension and more expensive. Puritech is sensitive to the need to respond to high freight charges and redesigned the Reverse Osmosis host.

Capacity 250L/H Voltage 220V/50Hz Recovery 45%-50% Desalination 96%-99% Feed PH range: 3-10 Membrane Qty 1pcs Temp of raw water 1-45? Feed Water Pressure 1-5 bar Raw water TDS 0-1000ppm Item name Material High-pressure pump SS304 RO Membrane Aromatic polyamide Membrane housing SUS Flowmeter plastic pipe Conductivity meter engineering plastics Pressure switch brass Electronic control system Air switch.electric relay.alternating current contractor.switch.LED Control box Mild steel /ss304 Frame SUS304 Pipe "2 inch?HP

pipe?ss304 LP pipe?UPVC”

#### **PRODUCT DETAILS**

Precision filter: Add filter cartridge to protect the membrane and extend the membrane service life S/N Name Material Service life 1 Precision filter PP, CTO 3-6 months 2 RO membrane Vontron/Dow/CSM etc; 2-3 years

#### **SPECIFICATIONS**

Capacity (GDP/LPH): 2000/300 Working Pressure (PSI/BAR): 150-200/10-14 Pre-Filtration: (20? Filter Housing x2) + (20? PP Cartridge 5u + 1u) Booster Pump: Vertical Multistage Pump MEMBRANE Material: T.F.C with FRP outer wrap Size + Unit: 4040 x 1

#### **MEMBRANE HOUSING**

Material: High-Pressure TRP end port type Size x Unit: 4040 x 1 Flow Meters: Permeate/Concentrate Pressure Gauges: Feedwater pressure/Booster pump outlet pressure gauge Water Quality Indicator: T.D.S meter with LCD Electrical Controls: Micro-computer control, overload breakers, LED indicators Frame: Electro-polished stainless steel 304 Weight: 64KG

#### **Reviews**

There are yet no reviews for this product.