



Reverse Osmosis System (Commercial)

Reverse osmosis (RO) system utilizes membrane separation technology to reduce water TDS and produce quality water for various commercial, industrial and drinking water applications. RO membrane elements use a strong pressure gradient to drive water through small pores of the semi-permeable membrane, while leaving salts and other larger molecules behind. Most RO membrane rejects salts upto 97% of the feed TDS whereas bacteria and virus reductions of 99.7 to 99.9% are also achievable.

For varying feed water TDS, RO systems are usually grouped into tap water, brackish water and sea water RO system. Depending on the feed water quality and end use of RO permeate, specific pre- and post- treatment systems are required for the smooth RO operation. Commonly uses 4" and 8" dia CA or TFC RO membranes. Aqua-RO reverse osmosis systems from Water 2000 offer a cost-effective and sustainable solution for water, wastewater and reuse applications.



Water 2000 is the one-stop-shop to engineer and design a sustainable, economical and practical reverse osmosis system for what your application happens to be. We offer a wide range of AQUA-RO reverse osmosis systems suitable for various municipal, industrial, commercial and residential applications. We offer a full line of pre-engineered and custom AQUA RO systems for commercial use, ranging from 600 to 18,000 GPD. These commercial RO systems produce high-quality water at a very low cost, all of which are engineered using the most advanced technology for accurate and customized solutions.

With decades of R&D and standard product development experience devoted to reverse osmosis systems engineering and hundreds of successful installations across the country, you can rely on Water 2000 for your most demanding liquid separation and purification needs using reverse osmosis and nanofiltration technologies. Our commercial reverse osmosis water systems "AQUA RO" is a compact and energy-efficient commercial RO unit, designed ideally for tap, brackish and drinking water treatment applications. Our commercial reverse osmosis equipment is capable of reaching incredibly high recovery rates.

Salient Features

- Reliable and Compact Design
- Factory Tested
- Corrosion resistant pump
- High efficiency of TDS removal
- Heavy Duty 5 micron pre filter
- Low Maintenance
- Skid Mounted System
- SS High Pressure Pump
- Product and reject flowmeters
- Low Pressure Switch
- Backed with quick, reliable and efficient after sales services and customer support
- Low Power Consumption
- Corrosion resistant FRP membrane housing
- World renown/branded RO membranes
- Quick Installation
- Simple Design for ease of operation

Additional Features (Cost may vary)

- PLC Control
- Double pass train
- Low pressure membranes
- Permeate recovery of up to 80
- Module Integration
- Membrane cleaning system

Applications

- Metal Finishing
- Beverage Production
- Bottled Water
- Electronics
- Pharmaceutical
- Mining Industry
- Chemical Blending
- Safe Drinking Water
- Rinse Water
- Power Plants
- Plating Operations
- EDI Pre-treatment
- Food and Beverage
- Spotless Car Wash System
- Cooling Towers
- Laboratory
- Boiler Feed Water
- Ice Manufacturing
- Ion Exchange Pre-treatment



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