

Custom Built RO System Specification Sheet (Custom Built Modular Systems)



Standard Features:

- Microprocessor PLC Controls
- Heavy Duty 5 micron Sediment Cartridge Pre-filter with Pressure Gauges
- Unique DLP series Nanofiber filtration technology
- High Efficiency 316 Stainless Steel Centrifugal Pump
- Automatic Inlet Feed Shut off Valve
- FRP Pressure Vessels
- Permeate & Concentrate Flow Meters
- Liquid Filled Pressure Gauges
- Permeate Conductivity Monitor
- Heavy Duty Powder Coated Skid & Hardware
- Brackish Water High Rejection or Fouling Resistant TFC Membranes
- 316 Stainless Steel
- High Pressure Valve High/Low Feed Pressure Switch
- Power Supply: 460/60Hz or 380V/50Hz

Optional Features:

- Automatic Flush System
- Clean In Place (CIP) System
- Chemical Injection Systems
- Concentrate Recycle System
- VFD
- Pretreatment Equipment (IV Sterilizer, Media Filters, Carbon Filter, Softeners)
- Post Treatment Equipment (Remineralization/pH Adjustment)
- Wood Crating

Industries:

Pharmaceuticals, Electronics, Laboratories, Universities, Kidney dialysis clinics, Hospitals, Food industries, Dairy processing, Cosmetics industry, Medical clinics, Communities/Municipalities, Oil/Gas, Petrochemical, Wastewater Effluent Treatment Plants.

Inlet Feed Water Specifications:

- Feed Water TDS: Max. 5000ppm
- Max Feed Water Temperature: 95 F or 32 C
- pH range: 3-11
- Hardness: > 1 Grain Per Gallon requires pretreatment
- Chlorine Tolerance: 0 ppm
- SDI: < 5
- Turbidity should be removed
- Hydrogen Sulfide should be removed
- Iron tolerance: 0.03 ppm Max.

Applications:

- Boiler Feed Water
- Industrial Process Water & Water for Rinse Applications
- Drinking Water
- Ion Exchange Pretreatment Etc.

Model#	Permeate Flow Rate	Sys. Recovery Rate	System Weight
GWT-BW-RO-144000	100 GPM	75%	2700 pounds (1227 kg)
GWT-BW-RO-172000	120 GPM	75 %	3000 pounds (1364 kg)

* Permeate Flow Rate based on temp of 77F/27C, low scaling and fouling water potential conditions

* Brackish water RO systems can be designed for large flow capacities