



GWT Series

Genesis Water Technologies, Inc. – High Performance Brackish Water Reverse Osmosis Systems

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 (Media Filters, Carbon Filter, Softeners)
Post Treatment Equipment (UV Sterilizers)
Export Wood Crating

Inlet Feed Water Specifications:

Feed Water TDS: Max. 8000ppm
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.

System Specifications:

Model#	Permeate Flow Rate	Sys. Recovery Rate	System Weight
GWT-BW-RO-144000	100 GPM	66-75%	2700 pounds (1227 kg)
GWT-BW-RO-172000	120 GPM	66-75 %	3000 pounds (1364 kg)

***Permeate Flow Rate based on low scaling and fouling water potential conditions**

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



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