

CUSTOM BUILT RO SYSTEM SPECIFICATION SHEET (TERTIARY WASTEWATER REUSE)



STANDARD FEATURES:

- Microprocessor PLC Controls with HMI
- Heavy Duty 5 micron Sediment Cartridge Pre-filter with Pressure Gauges
- High Efficiency High Pressure Centrifugal Pump
- Automatic Inlet Feed Shut off Valve
- FRP Pressure Vessels
- Permeate & Concentrate Flow Meters
- Liquid Filled Pressure Gauges
- Permeate Conductivity Monitor System
- Epoxy Coated Modular Frame
- Fouling Resistant High Rejection Membranes
- Permeate Diversion Valve
- 316 Stainless Steel High Pressure Valve
- High/Low Feed Pressure Switch
- Power Supply: 220V/50/60hz or 380V/460V/50/60hz

APPLICATIONS:

Tertiary Wastewater Reuse Applications (Including High Silica Feed Water Applications)

FLOW RATES:

GWT Tertiary Wastewater Reuse RO Systems are Available in Flow Rates:
46 gpm – 925 gpm (250 m³/d – 5000 m³/d).

These systems can accommodate higher flow rates via the modular system design.

OPTIONAL FEATURES:

- Automatic Flush System
- Alkaline pH Caustic System
- Clean In Place (CIP) System
- Antiscalant Chemical Feed
- VFD
- Pretreatment Equipment (Media Filters, Genclean)
- Post Treatment Equipment (pH Adjustment)
- Export Crating

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.