

STANDARD FEATURES:

- ✓ Reverse Osmosis 8" TFC membrane
- ✓ FRP 8" membrane vessel
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ SCH 80 PVC piping
- ✓ Liquid-filled pressure gauges for pre/post filter and feed/concentrate
- ✓ Stainless steel solenoid valve
- ✓ Adjustable waste/recycle ss globe valves
- ✓ Permeate/Waste/Recycle inline flow meters
- ✓ Product sampling valves per vessel
- ✓ Stainless steel Victaulic couplings
- ✓ Stainless steel throttling valve
- ✓ Dual-level float switch
- ✓ Optimum performance membrane array
- ✓ High capacity sediment pre-filter assembly
- ✓ Standard operating pressure, 150psi
- ✓ *Recovery rate up to 80%



MICROPROCESSOR CONTROLLER:

- ✓ Menu system with keypad
- ✓ Product and feed water TDS monitoring
- ✓ Manual start override on tank full condition
- ✓ Feed water temperature
- ✓ Low voltage level control
- ✓ Hour Meter
- ✓ Audible low pressure alarm
- ✓ Low pressure switch
- ✓ System ON/OFF
- ✓ Time delay start
- ✓ Low pressure bypass delay
- ✓ IEC contactor with motor overload relay



Containerized

Optional FEATURES :

- | | |
|---|---------------------------|
| • Nanofiltration membrane | • Signet flow meters |
| • Clean-in-Place | • Antiscalant pump w/tank |
| • Automatic flush | • 50hz electrical |
| • Permeate purge | • Stainless piping |
| • Hi-pressure cut-out | • Higher system pressure |
| • HMI—For more complex systems—programmable controller and graphical operator interface with custom software. | |

OPERATING PARAMETERS: Water recovery can be up to 80+%, designated by Specifications provided to customer on this custom design system. pH range 3 - 11. Flow rates are determined by the membrane mfr's testing criteria of 1500 ppm NaCl solution, 77°F water temperature. Typical membrane salt rejection is 95—99%. *Actual flow rates vary depending on the pre-treatment used, water conditions, feed water temperature, applied pressure and membrane type. Review of feed water analysis report will determine system design, estimated production rate and *recovery rate.

FEED WATER PARAMETERS: Feed temperature 85° F maximum. Feed pressure 40 - 80 psi maximum. Iron tolerance 0.5 ppm maximum. Hydrogen sulfide must be removed. Silica tolerance can not be higher than 100 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm. Turbidity should be removed. Hardness and Chlorine must be removed.

Manufactured by:

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Rev. 05-2025

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