

Membrane Quantity	Permeate Flow Range	Min/Max Operating Pressure	Recovery	Dimensions Height   Width   Depth	Shipping Weight
1	0.56-0.80 USGPM	30-480 psi	70%	Inches: 60   40   26 Mm: 1524   1017   666	300 lbs (136 kgs)

## STANDARD OFFERINGS

### On-Skid Mechanical Equipment:

- o High Rejection Spiral Wound Reverse Osmosis Membranes
- o Membrane Diameter: 4 in
- o Frame: Carbon steel
- o Fibreglass Membrane Vessels
  - \* *Maximum Operating Pressure 600psi*
- o Concentrate Recirculation
- o Pre-Filter Housing and Cartridges
- o Stainless Steel Valving, Tubing and Fittings
- o On-Skid Booster Pump
- o Pressure Switches
- o Concentrate, Permeate, and Recycle Flow Gauges
- o Concentrate, Permeate, and Recycle Pressure Gauges

### On-Skid Electrical Equipment:

- o Microprocessor Controller
- o 460V, 3pH Power
  - \* *Electrical connections provided by others*

### Chemical Equipment:

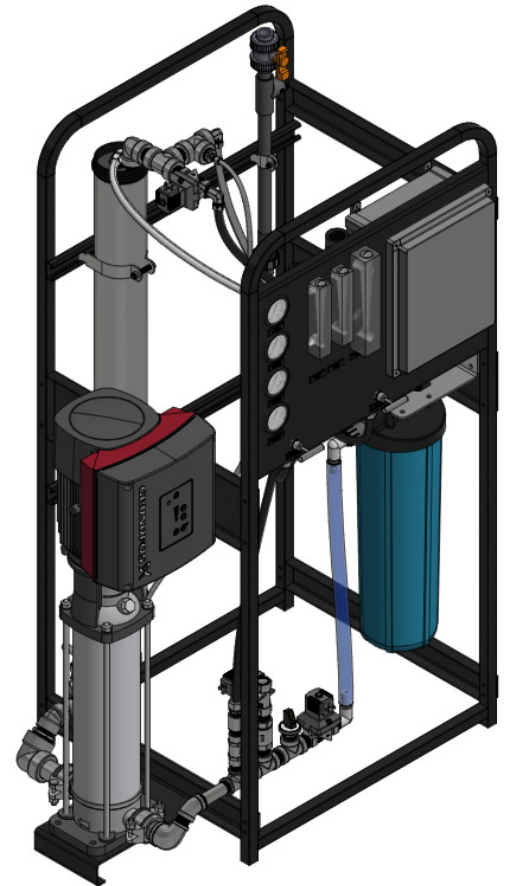
- o Anti-Scalant Dosing Pump and Integrated Tank
  - \* *Shipped loose*

### Installation Requirements:

- o **Feed Pressure Supply Range:** 20-40 psi
- o **Inlet Connection:** 3/4" NPT
- o **Permeate:** 3/4" NPT
- o **Concentrate:** 3/4" NPT
- o **Inlet Piping:** PVC
- o **Electrical Connections** (460V, 3pH Power)

## Water Quality Recommendations

TDS Maximum: 5800 mg/L  
Chloride Maximum: <1000 mg/L



\* Expected operating pressures and flow set points can be shared if lab water quality is provided. Predicted system flow rate is based on membrane manufacturer specifications and nominal conditions. Membrane production varies with water quality, operating pressure, temperature, pH, and recovery. Anti-scalant chemical injection required.

## ADDITIONAL ENHANCEMENTS

- Permeate Flush
- Re-pressurization System
- Granular Activated Carbon (GAC)
- pH Adjustment Chemical System
- Disinfectant Chemical System
- Corrosion Inhibitor Chemical System
- Custom Membranes
- Permeate TDS and Conductivity
- Spare Set of Membranes
- Spare Cartridges
- System Set Points\*
- On-Site Commissioning and Training
- CSA Certification

