

# JT-SERIES WALL MOUNT REVERSE OSMOSIS SYSTEMS

**AXEON® JT-Series Wall Mount Reverse Osmosis Systems** offer high production capacities and are fully equipped with a computer controller, TDS monitor, multi-stage booster pump, low-energy membranes and a sediment filter mounted on a corrosion-resistant, powder-coated aluminum frame.

**AXEON JT-Series Wall Mount Reverse Osmosis System** models are available in capacities of 2,000 and 4,000 gallons per day and feature the EZMount™ two-piece wall mounting system for easy installation. An optional mobile stand is also available to convert any of the models into floor standing units.



*JT- 4000 Wall Mount  
Reverse Osmosis System*

## FEATURES

- Minitrol Computer Controller
  - Multi-Color LED Indicator Status Light
  - Pre-Treatment Lockout
  - Tank Level Input
  - Low-Pressure Monitoring and Alarm
- AXEON HF1-Series Low-Energy Membranes
- AXEON 5-Micron Sediment Pre-Filter
- SS-Series Membrane Housings
- Pentair® Big Grey Cartridge Housing
- Goulds® Multi-Stage Booster Pump
- Concentrate Pressure Gauge
- Feed Low-Pressure Switch
- GC® Feed Solenoid Valve
- Low-Pressure Monitoring and Alarm
- 316L Stainless Steel Concentrate Valve
- Permeate and Concentrate Flow Meters
- Pre-Filter Pressure Gauge (0-100 psi)
- Post-Filter Pressure Gauge (0-100 psi)
- Pump Pressure Gauge (0-300 psi)
- John Guest® Push/Pull Fittings with Locking Safety Clips
- White Powder Coated Aluminum Frame

## OPTIONS

- S-150 Computer Controller with Feed Flush and Dual TDS
- S-150 Computer Controller Expander Board
- AXEON HF4-Series Extra Low-Energy Membrane Elements
- AXEON HF5-Series Ultra Low-Energy Membrane Elements
- FRP-Series Membrane Housings
- Goulds® Multi-Stage Stainless Steel Booster Pump
- Concentrate Recycle Valve with Flow Meter
- High-Pressure Tank Switch
- Chemical Pump Outlet
- Optional Mobile Stand

# SPECIFICATIONS

MODELS	JT-2000	JT-4000
<b>Design</b>		
Configuration	Single Pass	Single Pass
Feedwater Source (ppm) <sup>A</sup>	TDS < 2000	TDS < 2000
Standard Recovery Rate %	31	64
<b>Flow Rates<sup>B</sup></b>		
Permeate Flow (gpm / lpm)	1.38 / 5.22	2.78 / 10.52
Minimum Feed Flow (gpm / lpm)	4.38 / 16.60	5.78 / 21
Minimum Concentrate Flow (gpm / lpm)	3 / 11.36	3 / 11.36
<b>Connections</b>		
Feed (in)	1 FNPT	1 FNPT
Permeate (in)	1/2 QC	1/2 QC
Concentrate (in)	1/2 QC	1/2 QC
<b>Membranes</b>		
Membranes Per Vessel	1	1
Membrane Quantity	1	2
Membrane Size	4040	4040
Nominal Salt Rejection %	99	99
<b>Vessels</b>		
Vessel Array	1	1:1
Vessel Quantity	1	2
<b>Pumps</b>		
Pump Type	Multi-Stage	Multi-Stage
Motor HP	1.5	1.5
RPM at 60Hz / 50Hz	3450 / 2900	3450 / 2900
<b>System Electrical</b>		
Standard Voltage + Amp Draw <sup>C</sup>	220V, 60Hz, 1PH, 8.3A	220V, 60Hz, 1PH, 8.3A
High Voltage Service + Amp Draw <sup>C</sup>	220V, 50Hz, 1PH, 8.9AC 220V, 60Hz, 3PH, 5.1AC 220V, 50Hz, 3PH, 6.1AC 380V, 50Hz, 3PH, 4.5AC 460V, 60Hz, 3PH, 3.5AC	220V, 50Hz, 1PH, 8.9AC 220V, 60Hz, 3PH, 5.1AC 220V, 50Hz, 3PH, 6.1AC 380V, 50Hz, 3PH, 4.5AC 460V, 60Hz, 3PH, 3.5AC
<b>System Dimensions</b>		
Approximate Dimensions <sup>D</sup> L x W x H (in / cm)	46 x 14 x 48 / 117 x 36 x 122	46 x 14 x 48 / 117 x 36 x 122
Approximate Weight (lbs / kg)	142 / 64	200 / 91

**Test Parameters:** 550 TDS Filtered (5-Micron), Dechlorinated, Municipal Feedwater, 65 psi / 4.50 bar Feed Pressure, 150 psi / 10.35 bar Operating Pressure, 77°F / 25°C, Recovery as stated, 7.0 pH. Data taken after 60 minutes of operation.

- A. Low temperatures and feedwater quality, such as high TDS levels, will significantly affect the system's production capabilities and performance. Computer projections must be run for individual applications which do not meet or exceed minimum and maximum operating limits for such conditions.
- B. Product flow and standard recovery rates are based on feedwater conditions as stated above. Do not exceed the recommended permeate flow.
- C. Varies with motor manufacturer.
- D. Does not include operating space requirements.

## OPERATING LIMITS<sup>E</sup>

Maximum Feed Temperature (°F / °C)	85 / 29	Maximum Turbidity (NTU)	1
Minimum Feed Temperature (°F / °C)	40 / 4	Maximum Free Chlorine (ppm)	0
Maximum Ambient Temperature (°F / °C)	120 / 49	Maximum TDS (ppm)	2,000
Minimum Ambient Temperature (°F / °C)	40 / 4	Maximum Hardness (gpm)	0
Maximum Feed Pressure (psi / bar)	85 / 6	Maximum pH (continuous)	11
Minimum Feed Pressure (psi / bar)	45 / 3	Minimum pH (continuous)	2
Maximum Operating Pressure (psi / bar)	150 / 10	Maximum pH (cleaning 30 minutes)	13
Maximum SDI Rating	< 3	Minimum pH (cleaning 30 minutes)	1

E. If any of the feed water parameters are not within the limits given, consult your local dealer or distributor for assistance.