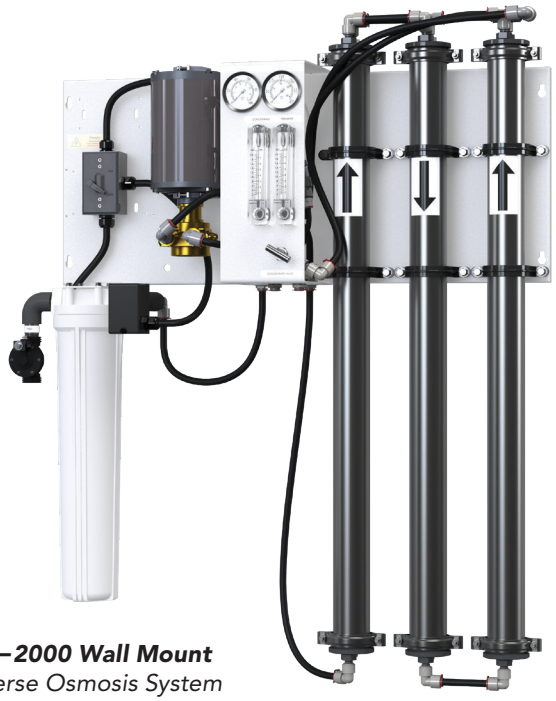
HT–SERIES WALL MOUNT REVERSE OSMOSIS SYSTEMS

AXEON® HT–Series Wall Mount Reverse Osmosis Systems are designed for easy filter and membrane servicing and are available in four models ranging in production capacities from 500 to 2,000 gallons per day. The HT–Series models are equipped with our unique EZMount™ two-piece wall mounting system for easy installation. An optional mobile stand is also available to convert any of the HT–Series models into floor standing systems.



HT–2000 Wall Mount
Reverse Osmosis System

FEATURES

- Manual On and Off Control Switch
- AXEON HF1–Series Low Energy Membranes
- AXEON 5-Micron Sediment Pre-Filter
- SS–Series Membrane Housings
- Pentair® 20" Slim Line Cartridge Housing
- Fluid-O-Tech™ Low Lead Brass Rotary Vane High Pressure Pump
- Feed Low Pressure Switch
- GC® Feed Solenoid Valve
- 316L Stainless Steel Concentrate Valve
- Permeate and Concentrate Flow Meters
- Glycerin-Filled Pre-Filter Pressure Gauge 0-100 psi
- Glycerin-Filled Pump Pressure Gauge 0-300 psi
- ODP High Efficiency Carbonator Motor
- John Guest® Push/Pull Fittings with Locking Safety Clips
- White Powder Coated Aluminum Frame

OPTIONS

- Minitrol Computer Controller
- Minitrol IF Computer Controller with Feed Flush
- AXEON HF4–Series Extra Low Energy Membrane Elements
- AXEON HF5–Series Ultra Low Energy Membrane Elements
- FRP–Series Membrane Housings
- Fluid-O-Tech™ Stainless Steel Rotary Vane Pump
- Chemical Pump Outlet
- Concentrate Recycle Valve with Flow Meter
- High Pressure Tank Switch
- HM Digital™ PSC–150 TDS/ Conductivity Controller
- Optional Mobile Stand

SPECIFICATIONS

MODELS	HT–500	HT–1000	HT–1500	HT–2000
Design				
Configuration	Single Pass	Single Pass	Single Pass	Single Pass
Feedwater Source (ppm)[A]	TDS < 2000	TDS < 2000	TDS < 2000	TDS < 2000
Standard Recovery Rate %	26	41	41	63
Flow Rates[B]				
Permeate Flow (gpm / lpm)	0.35 / 1.32	0.69 / 2.61	1.04 / 3.93	1.38 / 5.22
Minimum Feed Flow (gpm / lpm)	1.35 / 5.11	1.69 / 6.40	2.04 / 7.72	2.35 / 8.89
Minimum Concentrate Flow (gpm / lpm)	1 / 3.78	1 / 3.78	1 / 3.78	1 / 3.78
Connections				
Feed (in)	3/4 FNPT	3/4 FNPT	3/4 FNPT	3/4 FNPT
Permeate (in)	3/8 QC	3/8 QC	3/8 QC	3/8 QC
Concentrate (in)	3/8 QC	3/8 QC	3/8 QC	3/8 QC
Membranes				
Membranes Per Vessel	1	1	1	1
Membrane Quantity	2	3	2	3
Membrane Size	2521	2521	2540	2540
Nominal Salt Rejection %	99	99	99	99
Vessels				
Vessel Array	1:1	1:1:1	1:1	1:1:1
Vessel Quantity	2	3	2	3
Pumps				
Pump Type	Rotary Vane 401 Brass	Rotary Vane 601 Brass	Rotary Vane 601 Brass	Rotary Vane 1001 Brass
Motor HP	1/3	1/2	3/4	3/4
RPM @ 60Hz	1725 (1465)	1725 (1465)	1725 (1465)	1725 (1465)
System Electrical				
Standard Voltage + Amp Draw[C]	110V, 60Hz, 1PH, 6.6 A	110V, 60Hz, 1PH, 8.2 A	110V, 60Hz, 1PH, 11.0A	110V, 60Hz, 1PH, 11.0A
High Voltage Service + Amp Draw[C]	220V, 60Hz, 1PH, 3.2A 220V, 50Hz, 1PH, 3.2A	220V, 60Hz, 1PH, 3.9A 220V, 50Hz, 1PH, 3.9A	220V, 60Hz, 1PH, 5.6A 220V, 50Hz, 1PH, 5.6A	220V, 60Hz, 1PH, 5.6A 220V, 50Hz, 1PH, 5.6A
System Dimensions				
Approximate Dimensions[D] L x W x H (in / cm)	48 X 49 X 12 / 122 X 124 X 30	48 X 49 X 12 / 122 X 124 X 30	48 X 49 X 12 / 122 X 124 X 30	48 X 49 X 12 / 122 X 124 X 30
Approximate Weight (lbs / kg)	65 / 29.50	70 / 31.80	95 / 43.10	135 / 61.20

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 systems 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[E]

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 distributer for assistance.

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