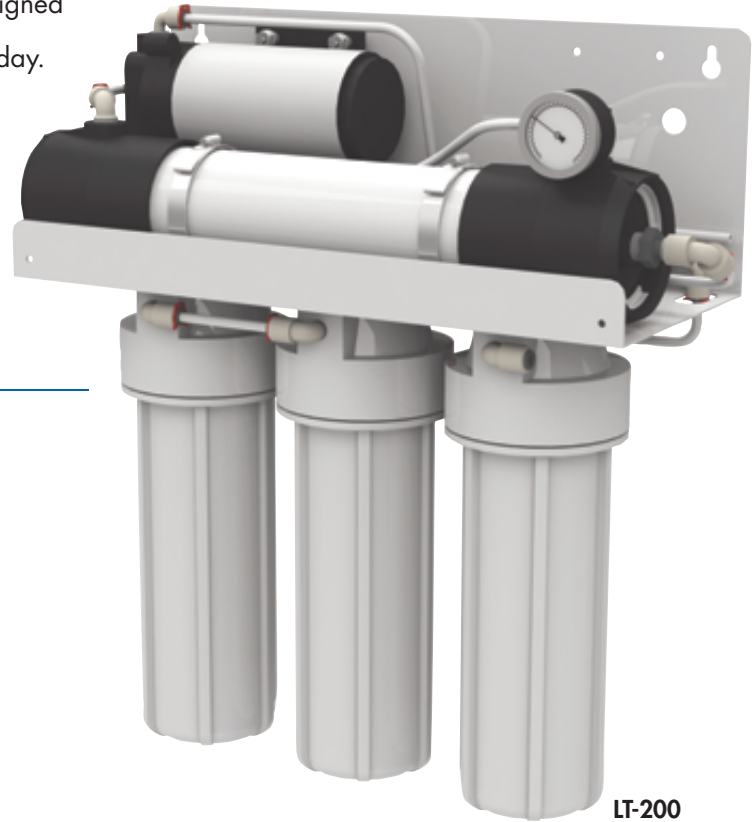


LT-Series Reverse Osmosis Systems

LT-Series Reverse Osmosis Systems have been designed for capacities ranging from 200-300 gallons per day. These systems feature high quality components, a compact wall mount or free standing space saving design and allows for many options and upgrades to suit most applications.



LT-200
Reverse Osmosis System
Pictured

Benefits:

- Fully Equipped and Customizable
- Compact Space Saving Design
- Pre-Plumbed, Wired, & Assembled
- Factory Tested and Preserved
- Low Operation & Maintenance Costs
- Easy Maintenance & Servicing
- 1-Year Limited Warranty
- Made in the U.S.A.

Applications & Markets:



FLEXEON™

LT-Series Reverse Osmosis Systems

Features:

- White Powder Coated Steel Bracket
- 5 Micron Sediment Pre-filter
- 10 Micron Carbon Block Pre-filter
- Granulated Activated Carbon (GAC) Post Filter
- Double O-Ring Filter Housings
- AXEON® HF4 Extra Low Energy Membrane
- AXEON® PVC Pressure Vessel
- Aquatec® High Flow Booster Pump
- Aquatec® Tank Pressure Switch
- Aquatec® Feed Solenoid Valve
- Aquatec® Auto Flush Timer Valve
- 0-160 psi Pump Pressure Gauge
- John Guest® Push/Pull Fittings with Locking Safety Clips



LT-300

Reverse Osmosis System
with Optional 20" White
Powdered Coated Steel Frame
and Filter Housings

Options & Upgrades:

- AXEON® NF3 Nanofiltration Membrane
- AXEON® NF4 Nanofiltration Membrane
- Stainless Steel Pressure Vessel
- HM Digital™ DM-2 Dual TDS Meter
- HM Digital™ QC-1 Conductivity Meter
- 10" Post DI Cartridge
- 10" Post Calcite Cartridge
- 20" Post DI Cartridge
- 20" Post Calcite Cartridge
- 20" Double O-Ring Filter Housings
- 10" White Powder Coated Steel Frame with Bulkhead Fittings
- 20" White Powder Coated Steel Frame with Bulkhead Fittings

Specifications:

Models	LT-200	LT-300
Design		
Configuration	Single Pass	Single Pass
Feed Water Source	City or Well Water	City or Well Water
Standard Recovery Rate	47%	40%
Rejection and Flow Rates		
Nominal Salt Rejection %	98.5	98.5
Permeate Flow* gpm (lpm)	0.14 (0.53)	0.21 (0.79)
Minimum Feed Flow gpm (lpm)	0.50 (1.89)	0.50 (1.89)
Maximum Feed Flow gpm (lpm)	1.00 (3.79)	1.00 (3.79)
Minimum Concentrate Flow gpm (lpm)	0.30 (1.14)	0.30 (1.14)
Connections		
Feed inch	1/4 Tube	3/8 Tube
Permeate inch	1/4 Tube	3/8 Tube
Concentrate inch	1/4 Tube	1/4 Tube
Membranes		
Membrane(s) Per Vessel	1	1
Membrane Quantity	1	1
Membrane Size	2514	2521
Vessels		
Vessel Array	1	1
Vessel Quantity	1	1
Pumps		
Pump Type	Booster Pump 8800	Booster Pump 8800
Motor HP (kw)	N/A	N/A
Electrical		
Standard Voltage	110V 60Hz 1 PH	110V 60Hz 1 PH
Voltage Options	220V 50/60Hz 1 PH	220V 50/60Hz 1 PH
Voltage Amp Draw (110V 60Hz / 220V 60Hz / 220V 50Hz)	2.0 / 1.0 / 1.0	4.0 / 2.0 / 2.0
Systems Dimensions **		
L x W x H inch (cm)	7 x 17 x 32 (18 x 43 x 81)	7 x 25 x 32 (18 x 64 x 81)
Weight lb. (kg)	42 (19.1)	50 (22.7)

*Product Flow rates are based on equipment test parameters.

**Does not include operating space requirements.

Operating Limits:

Maximum Feed Temperature °F (°C)	105 (40.96)	Maximum Free Chlorine ppm	0
Minimum Feed Temperature °F (°C)	40 (4.44)	Maximum TDS ppm	1000
Maximum Ambient Temperature °F (°C)	120 (48.89)	Maximum Hardness gpg	15
Minimum Ambient Temperature °F (°C)	35 (1.66)	Maximum pH (Continuous)	11
Maximum Feed Pressure psi (bar)	85 (5.86)	Minimum pH (Continuous)	3
Minimum Feed Pressure psi (bar)	35 (2.41)	Maximum pH (Cleaning 30 Min.)	12
Maximum Operating Pressure psi (bar)	115 (7.93)	Minimum pH (Cleaning 30 Min.)	2
Maximum SDI Rating SDI	<3		
Maximum Turbidity NTU	1		

Test Parameters: 550 TDS Filtered (5 Micron), De-Chlorinated, Softened City Feed Water, 35 psi (2.41 bar) Feed Pressure, 100 psi (6.89 bar) (HF4 Membranes), or 70 psi (4.83 bar) (NF3 & NF4 Membranes) Operating Pressure, 77 Degrees F (25 Degrees C), Recovery as stated, 7.0 pH. Data taken after 30 minutes of operation.

Low temperatures and high feed water TDS levels will significantly affect system's production capabilities. Computer projections should be run for individual applications which do not meet or exceed minimum and maximum operating limits.



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