

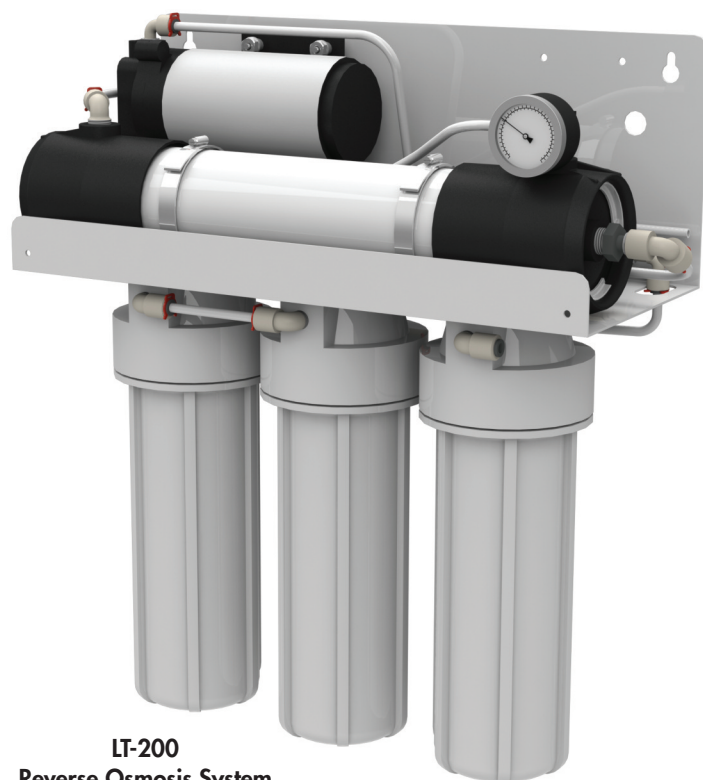
LT-Series Reverse Osmosis Systems

LT-Series Reverse Osmosis Systems feature high quality components and a compact wall mount space saving design that allows for many options and upgrades to suit most applications.

LT-Series Reverse Osmosis Systems have been engineered for capacities ranging from 200 – 300 gallons per day.

Benefits

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



LT-200
Reverse Osmosis System
Front

Applications and Markets



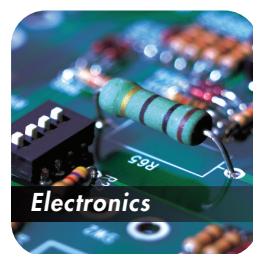
Aquaculture



Beverage Production



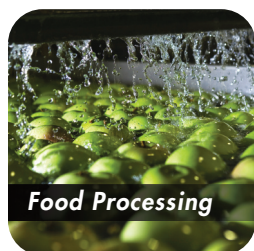
Bottled Water



Electronics



Drinking Water



Food Processing



Food & Ice Preparation



Misting



Pharmaceutical



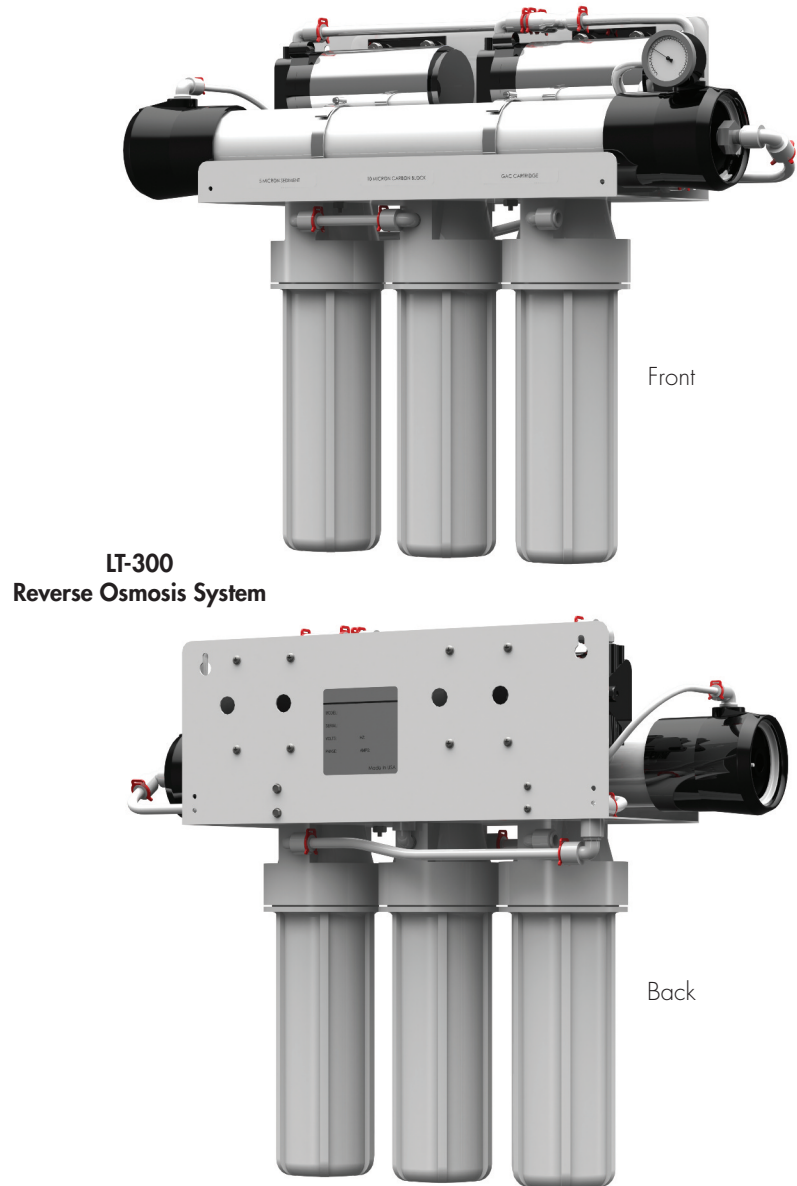
Spot-Free Rinse

Engineered Membrane Solutions

FLEXEON LT-Series Reverse Osmosis Systems

Standard Features

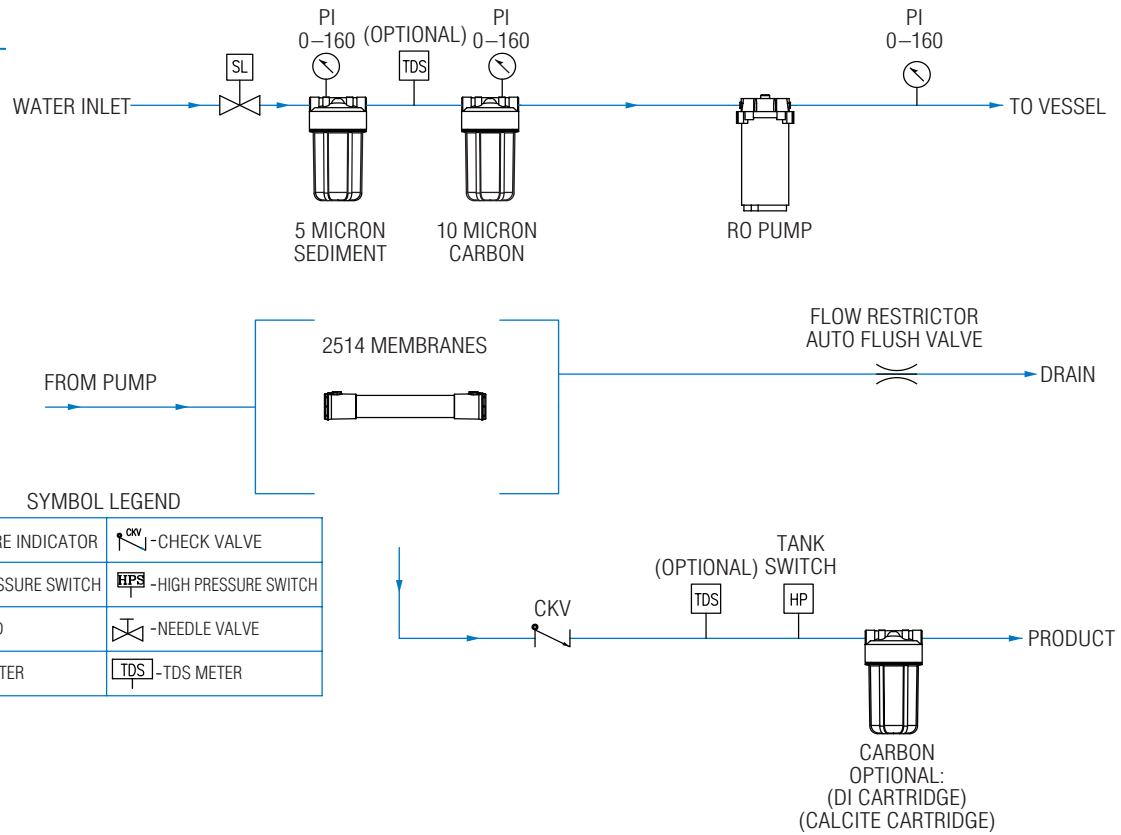
- White Powder Coated Steel Bracket
- 5 Micron Sediment Pre-Filter
- 10 Micron Carbon Block Pre-Filter
- Granulated Activated Carbon (GAC) Post-Filter
- Double O-Ring Filter Housings
- AXEON HF4 Extra Low Energy Membrane
- AXEON PVC Membrane Housing
- Aquatec® High Flow Booster Pump
- Aquatec Tank Pressure 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



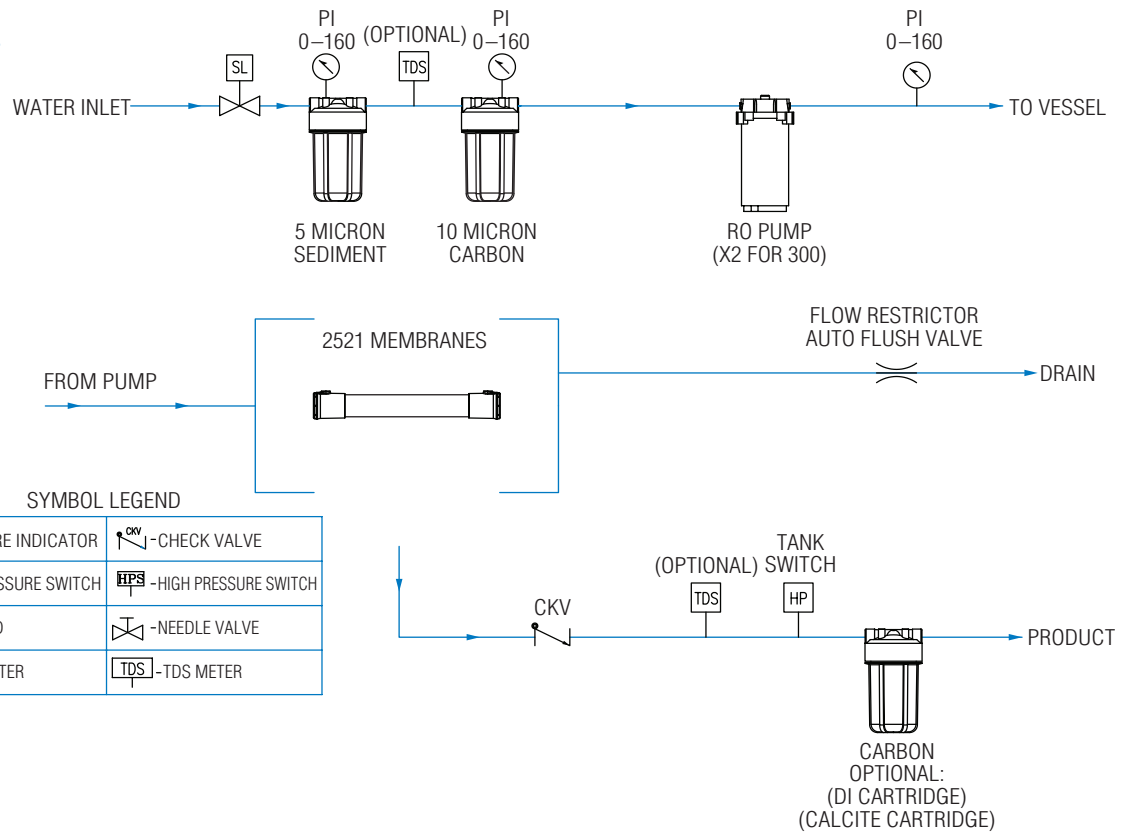
Options and Upgrades

- AXEON NF3 Nanofiltration Membrane
- AXEON NF4 Nanofiltration Membrane
- Stainless Steel Membrane Housing
- 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

LT-200



LT-300



FLEXEON LT-Series Reverse Osmosis Systems

Specifications

Models	LT-200	LT-300
Design		
Configuration	Single Pass	Single Pass
Feed Water Source***	TDS <1000 ppm	TDS <1000 ppm
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, 2.0A	110V, 60Hz, 1 PH, 4.0A
Voltage Options	220V, 50Hz, 1 PH, 1.0A 220V, 60Hz, 1 PH, 1.0A	220V, 50Hz, 1 PH, 2.0A 220V, 60Hz, 1 PH, 2.0A
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 and recovery are based on equipment test parameters.

** Does not include operating space requirements.

*** Treatment ability of the RO system is dependent on feed water quality. Performance projections must be run for each installation.

Operating Limits

Maximum Feed Temperature °F (°C)	85 (29.00)	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††	0
Minimum Ambient Temperature °F (°C)	40 (4.44)	Maximum pH (Continuous)	11
Maximum Feed Pressure psi (bar)	85 (5.86)	Minimum pH (Continuous)	5
Minimum Feed Pressure psi (bar)	45 (3.10)	Maximum pH (Cleaning 30 Min.)	12
Maximum Operating Pressure psi (bar)	120 (8.27)	Minimum pH (Cleaning 30 Min.)	2
Maximum SDI Rating SDI	<3		
Maximum Turbidity NTU	1		

Test Parameters: 550 TDS Filtered (5 Micron), De-Chlorinated, Municipal Feed Water, 65 psi (4.50 bar) Feed Pressure, 100 psi (6.89 bar) Operating Pressure, 77 Degrees F (25 Degrees C), Recovery as stated, 7.0 pH. Data taken after 60 minutes of operation.

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

†† Scale prevention measures must be taken to prolong membrane life.