

# LE - SERIES Reverse Osmosis System



LE - Series Reverse Osmosis Systems are custom designed and built by Integra Water Technologies for high efficiency and reliable performance.

These systems feature high quality components, including a programmable controller with many built-in standard features, a stainless steel booster pump for quiet efficient operation, and an anodized structural aluminum frame.

LE - Series Reverse Osmosis systems is designed for capacities ranging from 1600 - 6800 gallons per day and feature low energy, high flow membranes.

## FEATURES AND BENEFITS

- Fully Equipped and Customizable
- Compact Space Saving Design
- Pre-Plumbed, Wired and Assembled
- Multiple membrane options available
- Low Operating and Maintenance Costs
- Factory tested for quality assurance.

## STANDARD FEATURES

- Computer Controller with Backlit Display
- Pre-Treatment Lockout
- Dual Tank Level Control
- Time Delay Start
- Low Pressure Monitoring and Alarm
- Permeate TDS Monitoring with Temperature display
- Permeate and Concentrate Flow Meters
- High Pressure Pump Throttling Valve
- Pre-Filter 0 -100 psi Panel Mounted Glycerin Filled Gauges
- 5 Micron High Flow Sediment Pre-Filter
- Pump Discharge and Concentrate 0 - 300 psi Panel Mounted Glycerin Filled Gauges
- Low Energy Membrane Elements
- Stainless Steel Membrane Housings
- Multi-Stage Stainless Steel Booster Pump
- Feed Solenoid Valve
- Feed Low Pressure Switch
- Pump High Pressure Switch
- High Pressure Tubing and Fittings
- Anodized Structural Aluminum Frame



## OPTIONS AND UPGRADES

- Extra Low Energy Membrane Elements
- Nanofiltration Membrane Elements
- Fiberglass (FRP) Membrane Housings
- Concentrate Recycle Valve with Flowmeter
- Blending Valve
- Timed Forward Flush
- Feedwater TDS Monitor
- Additional Pre-filter Housings & Cartridge Filters

Model	LE-1600	LE-3200	LE5000	LE-6800
Production GPD	1600	3200	5000	6800
Membrane(s)	1	2	3	4
Permeate GPM	1.1	2.3	3.5	4.7
Minimum Feed Flow GPM	4.5	5.5	6.5	8
Nominal Salt Rejection	99.6%	99.6%	99.6%	99.6%
Recovery w/recycle	Up to 75%	Up to 75%	Up to 75%	Up to 75%
Pump Motor HP	0.75	1	1.5	1.5
Connections FIPT Feed - Cone. - Perm. System Dimensions	3/4"-1/2"-1/2"	3/4"-1/2"-1/2"	3/4"-1/2"-1/2"	3/4"-1/2"-1/2"
Electrical - FLA 230v,60HZ, IPH	7.4	9.6	12	12
Dimensions	24"wx24" Dx48"H	24"wx24" Dx48"H	24"wx24" Dx48"H	24"wx24" Dx48"H

### Feedwater Parameters:

Product flow rates and recovery are based on the membrane manufacturers test parameters of 1500 ppm NaCl solution, 77 deg. F. Actual flow rates vary depending on pretreatment, water quality, and feed water temperature. Consult the factory for review of feed water analysis to determine system design.