

# APPLIED<sup>®</sup> SYSTEMS

## SERIES L – 600 – 9,500 GPD SYSTEMS

Designed to produce low dissolved solids water from tap or well water, these systems use high efficiency reverse osmosis membranes. The product water is used in applications such as spot free rinse, water stores, whole house, labs, ice makers, humidification, misting and a wide variety of other applications.

Series L Systems use 2.5" or 4" Diameter, 40" long membrane elements. Pressure vessels containing membrane elements are mounted in a vertical position. For ease of operation and maintenance, the Series L is designed to accommodate panel mounted controls and instrumentation.

### Key Features:

- Over 20 years of experience is reflected in our quality
- Compact, Heavy Duty, Powder Coated Frame
- Proven components used throughout the system
- Conservatively engineered for reliable long term performance
- Factory tested to ensure trouble-free operation



Picture shows system with optional equipment.

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### STANDARD EQUIPMENT

- Thin Film Composite Membranes
- Stainless Steel Pressure Vessels
- 5 Micron 20" Filter and Housing
- Low Pressure Pump Protection
- Product Flowmeter
- Concentrate Flowmeter
- Tank Level Controls (Floats Optional)
- High Pressure RO Pump
- Flow Control Valve
- 3 Pressure Gauges: System Pressure Gauge, Filter-In, Filter-Out
- Heavy Duty Powder Coated Frame
- ROC-50 Microprocessor Controller with:
  - Illuminated On/Off Power Switch
  - Pretreatment Lock-Out and Indicator Light
  - Tank Full Indicator Light and Shut-Down (float switches for tank not included)
  - Hour Meter

### OPTIONAL EQUIPMENT

- Tank Pressure Controls for Pressurized Tank
- Float Tree for Atmospheric Storage Tank
- Second 5 Micron 20" Filter and Housing
- Fiberglass Pressure Vessels
- Stainless Steel Pump
- Temperature Gauge
- Concentrate Recycle Valve
- Concentrate Recycle Flow Meter
- Permeate Quality Digital Monitor
- TDS Monitor
- Upgraded microprocessor controller, ROC 150D
- Pre-treatment Equipment\*
  - Carbon System, Softener, Media Filter, Chemical Dosing
- Crating\*

\*Recommended Minimum Options

Model	Capacity		Membrane Elements			Line Sizes (In/cm)			Dimensions (In/cm)			Approx. Weight (lb/kg)
	GPD	m <sup>3</sup> /day	Qty.	Dia. (in/cm)	Length (in/cm)	Inlet	Perm.	Conc.	Length	Width	Height	
<b>L-125A</b>	600	2	1	2.5/6	40/102	0.5/1.3	0.38/1	0.75/2	20/51	20/51	72/183	125/57
<b>L-225A</b>	1,200	5	2	2.5/6	40/102	0.75/2	0.38/1	0.75/2	20/51	20/51	72/183	135/62
<b>L-14A</b>	1,800	7	1	4/10	40/102	0.75/2	0.38/1	0.75/2	20/51	20/51	72/183	135/62
<b>L-24A</b>	3,600	14	2	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	20/51	72/183	155/70
<b>L-34A</b>	5,000	19	3	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	25/64	72/183	180/82
<b>L-44A</b>	6,500	25	4	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	25/64	72/183	200/91
<b>L-54A</b>	8,000	30	5	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	32/82	72/183	220/100
<b>L-64A</b>	9,500	36	6	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	32/82	72/183	245/111

### NOTES

- All dimensions and weights are approximate.
- Systems rated at 77°F (25°C) using 1000 ppm sodium chloride solution and 200 psi (14 kg/cm<sup>2</sup>) pressure. System capacity changes significantly with water temperature. For higher TDS a water analysis must be supplied and could result in modifications to the system.
- Chlorine must be removed prior to RO system if present in the feed water.
- Water must be pretreated using a softener or antiscalant to avoid scaling the membranes.

### ORDERING INFORMATION

Please add our voltage codes to the end of the model number when ordering. **Example:** L-14A-216 = 220v / 1 ph / 60 hz

**Voltage**    216 = 220 or 230v/ 1ph/ 60hz                      215 = 220v/1ph/50hz  
**Codes:**     116 = 110v/ 1ph/ 60 hz

Distributed By:

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