

APPLIED[®] 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.



Pureworld Solutions Inc.

Vancouver Office:

4916 River Reach,
Delta, BC, V4K 4A4

T: 604-878-8092

info@pureworld.ca
www.pureworld.ca

APPLIED® SYSTEMS

SERIES L – 600 - 9,500 GPD SYSTEMS

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 (Brass for L-125A – L-24A; SS for L-34A – L-64A)
- Flow Control Valve
- Concentrate Recycle Valve & Flow Meter
- 4 Pressure Gauges: Concentrate Pressure Gauge, Filter-In, Filter-Out, Membrane Inlet
- 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

- Float Tree for Atmospheric Storage Tank
- Second 5 Micron 20" Filter and Housing
- Fiberglass Pressure Vessels
- Stainless Steel Pump (L-125A – L-24A)
- Temperature Gauge
- Permeate Quality (TDS) Digital 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. Shipping Weight (lb/kg)
	GPD	m ³ /day	Qty.	Dia. (in/cm)	Length (in/cm)	Inlet	Perm.	Conc.	Length	Width	Height	
L-125A	600	2	1	2.5/6	40/102	0.5/1.3	0.38/1	0.75/2	20/51	20/51	72/183	240/109
L-225A	1,200	5	2	2.5/6	40/102	0.75/2	0.38/1	0.75/2	20/51	20/51	72/183	250/113
L-4021A	750	3	1	4/10	21/53	0.75/2	0.38/1	0.75/2	20/51	20/51	72/183	275/125
L-14A	1,800	7	1	4/10	40/102	0.75/2	0.38/1	0.75/2	20/51	20/51	72/183	275/125
L-24A	3,600	14	2	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	20/51	72/183	300/136
L-34A	5,000	19	3	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	25/64	72/183	325/147
L-44A	6,500	25	4	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	25/64	72/183	350/159
L-54A	8,000	30	5	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	32/82	72/183	375/170
L-64A	9,500	36	6	4/10	40/102	1/2.5	0.5/1.3	0.75/2	20/51	32/82	72/183	400/181

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/cm²) 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



Pureworld Solutions Inc.

Vancouver Office:

4916 River Reach,
Delta, BC, V4K 4A4

T: 604-878-8092

info@pureworld.ca

www.pureworld.ca