

APPLIED[®] SYSTEMS

SERIES XL – 2,000 – 10,000 GPD SYSTEMS

Designed to produce low dissolved solids water from tap or well water, these systems use extra low energy 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 XL Systems use 4" Diameter, 40" long XLE membrane elements. Pressure vessels containing membrane elements are mounted in a vertical position. For ease of operation and maintenance, the Series XL 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.

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STANDARD EQUIPMENT

- XLE Extra Low Energy TF Membranes
- Stainless Steel Pressure Vessels
- Stainless Steel Multistage Pump
- 5 Micron Filter and Housing
- Low Pressure Pump Protection
- Product Flowmeter
- Concentrate Flowmeter
- Tank Level Controls (Floats Optional)
- 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
- 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
- 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		Qty. of 4x40 Membrane Elements (XLE)	Line Sizes (In/cm)			Dimensions (In/cm)			Approx. Shipping Weight (lb/kg)
	GPD	m ³ /day		Inlet	Perm.	Conc.	Length	Width	Height	
XL-14A	2,000	7.5	1	0.75/2	0.38/1	0.75/2	20/51	20/51	54/138	275/125
XL-24A	4,000	15	2	1/2.5	0.5/1.3	0.75/2	20/51	20/51	54/138	300/136
XL-34A	5,800	22	3	1/2.5	0.5/1.3	0.75/2	20/51	25/64	54/138	325/147
XL-44A	7,500	28	4	1/2.5	0.5/1.3	0.75/2	20/51	25/64	54/138	350/159
XL-54A	9,000	34	5	1/2.5	0.5/1.3	0.75/2	20/51	32/82	54/138	375/170
XL-64A	10,000	38	6	1/2.5	0.5/1.3	0.75/2	20/51	32/82	54/138	400/181

NOTES

- All dimensions and weights are approximate.
- Systems rated at 77°F (25°C) using 500 TDS solution and 140 psi (9.8 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:** XL-14A-216 = 220v/1 ph/60 hz

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



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