

# WATERTRAK

Pre-engineered Water Treatment Solutions

## Standard Features

- All Stainless Structural Steel Frame Construction
- High Efficiency Positive Displacement Pump w/TEFC Motor
- Stainless High Pressure Piping
- Stainless Recirculation Control Valve
- Stainless Waste Control Valve
- Adjustable Height Leveling Feet
- Filmtec XLE 4040 RO Membranes
- 300 PSI FRP Pressure Housings w/ Stainless Ports
- 5 Micron Nominal Polypropylene Cartridge Filter
- Polypropylene Pre-Filter Housing
- Pre-Filter, Post-Filter & Membrane Feed Pressure Gauges
- RO Pump Suction Pressure Switch
- Product Check Valve
- Waste Check Valve
- Waste Flush
- Pretreatment Lockout
- Low Pressure Shutdown w/Auto Restart
- Storage Tank Control
- Inlet Solenoid Valve
- Product, Waste & Recirculation Flow Meters
- Feed & Product Conductivity Meters
- Feed Water Temperature

## Upgrade Options w/TRAKLink Ready Devices

- RO Tank Level Control & Waste
- Flush Valve



## LRS Series Reverse Osmosis

### GENERAL

The **LRS Series** provides high quality design and construction with cost effective features. The **LRS** RO family combines the durability of a rugged stainless steel frame, a complete performance-monitoring package and a clean stylish appearance that will meet your need for high purity water for years to come.

**TRAKLink** technology simplifies connections to RO level controls, waste flush valves and pre-treatment equipment interlocks.

### DESIGN FEED CONDITIONS

Recovery – 60 to 80%

Minimum Inlet Pressure – 30 PSI

Maximum Product Pressure – 40 PSI

Maximum Inlet Pressure – 90 PSI

Design Temperature – 35°F to 85°F

Electrical Requirement – 120VAC, 60Hz, 1PH or 220VAC, 60Hz, 1 PH



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# LRS SERIES REVERSE OSMOSIS SPECIFICATIONS AND DESIGN DATA

DESIGN TEMPERATURE 35F TO 85F														
MODEL										PIPE CONNECTIONS			DIMENSIONS	
HOUSING x TEMPERATURE RATING °F	PRODUCT GPM	PRODUCT GPD	FEED TEMP °F	FEED PRESSURE PSI	INLET SUPPLY GPM	WASTE GPM	RECIRC GPM	MEMBRANES	PUMP HP	INLET (UNION)	PRODUCT (UNION)	WASTE	WIDTH x DEPTH x HEIGHT	APPROXIMATE SHIPPING WEIGHT (lbs)
LRS1-35	1.1	1584	35	194	2.8	1.7	1.8	1	1	3/4"	1/2"	1/2"	25"x20"x55"	210
LRS1-55	1.38	1987	55	152	3.5	2	2.2	1	1	3/4"	1/2"	1/2"	25"x20"x55"	210
LRS1-77	1.38	1987	77	96	3.5	2	2.2	1	1	3/4"	1/2"	1/2"	25"x20"x55"	210
LRS2-35	2.1	3024	35	189	4.2	2.1	1.4	2	1	3/4"	1/2"	1/2"	25"x20"x55"	240
LRS2-55	2.25	3240	55	129	4.5	2.3	1.1	2	1	3/4"	1/2"	1/2"	25"x20"x55"	240
LRS2-77	2.25	3240	77	85	4.5	2.3	1.1	2	1	3/4"	1/2"	1/2"	25"x20"x55"	240
LRS3-35	2.3	3312	35	148	3.5	1.2	2.4	3	1	3/4"	3/4"	1/2"	25"x20"x55"	280
LRS3-55	3.5	5040	55	140	5.4	1.9	1.7	3	1	3/4"	3/4"	1/2"	25"x20"x55"	280
LRS3-77	3.5	5040	77	95	5.4	1.9	1.7	3	1	3/4"	3/4"	1/2"	25"x20"x55"	280
LRS4-35	4	5760	35	186	6.1	2.1	2.8	4	2	3/4"	3/4"	1/2"	25"x26"x55"	310
LRS4-55	5.1	7344	55	151	7.8	2.8	3.1	4	2	3/4"	3/4"	1/2"	25"x26"x55"	310
LRS4-77	5.1	7344	77	101	7.8	2.8	3.1	4	2	3/4"	3/4"	1/2"	25"x26"x55"	310
LRS5-35	5.1	7344	35	190	7.8	2.8	3.1	5	2	1"	3/4"	1/2"	25"x26"x55"	340
LRS5-55	5.5	7920	55	131	8.5	3	2.5	5	2	1"	3/4"	1/2"	25"x26"x55"	340
LRS5-77	5.5	7920	77	90	8.5	3	2.5	5	1.5	1"	3/4"	1/2"	25"x26"x55"	340
LRS6-35	6	8640	35	188	9.2	3.2	1.8	6	2	1"	3/4"	1/2"	25"x26"x55"	370
LRS6-55	6.2	8928	55	125	9.5	3.3	1.5	6	2	1"	3/4"	1/2"	25"x26"x55"	370
LRS6-77	6.2	8928	77	86	9.5	3.3	1.5	6	1.5	1"	3/4"	1/2"	25"x26"x55"	370

**NOTE:**

TDS, pressure and temperature will affect RO product ratings, SDI < 3  
 Free Chlorine - 0.0 mg/l maximum  
 Dimensions refer to nominal size only, and do not include operating maintenance area  
 Specifications subject to change without notice

1HP     120V/1 PH   FLA = 13.4  
 1.5HP   220V/1 PH   FLA = 8.2  
 2HP     220V/1 PH   FLA = 10.8

