

WATERTRAK

Pre-engineered Water Treatment Solutions

Standard Features

- All Stainless Structural Steel Frame Construction
- Stainless NEMA 4x Control Panel
- Stainless Hydraulic Panel
- Stainless Butt-Welded Inlet Piping
- Stainless Automatic Inlet Valve
- Stainless Cartridge Pre-Filter Housing
- Stainless Grundfos Multi-Stage Pump w/TEFC Motor
- Stainless High Pressure Piping
- Stainless Pump Control Valve
- Stainless Recirculation Control Valve
- Stainless Waste Control Valve
- Stainless Hardware & Victaulic Clamps
- Stainless Instrumentation Tubing and Compression Fittings
- Filmtec XLE 4040 RO Membranes
- 300 PSI FRP Pressure Housings w/ Stainless Ports
- 5 Micron Nominal Polypropylene Cartridge Filter
- Pre-Filter, Post-Filter, Pump Discharge, Membrane Feed & Membrane Waste Pressure Gauges
- RO Pump Suction Pressure Switch
- Adjustable Product Water Pressure Relief
- Cleaning Connections
- Digital Instrumentation
 - Allen Bradley PLC
 - *Flow* – Product, Waste, Feed & Recirculation
 - *Flow* – Product, Waste, Feed, Recirculation, Storage Tank, Empty Rate, Aux. Bypass Make-up, Membrane Percent Recovery
 - *Conductivity* – Feed, Product, Membrane Percent Rejection
 - *Temperature* - Feed Water
 - *Tank Level* – Percent Full, Gallons Remaining, Time to “Full” or “Empty”, High Alarm, Low Alarm, Low Level Distribution Pump Cutoff

Upgrade Options w/TRAKLink Ready Devices

- Product Divert Valve
- Waste Flush Valve
- pH Cell
- Chemical Feeders
- ORP Cell
- Pressure Transmitters



LRL Series Reverse Osmosis

GENERAL

The **LRL Series** is a truly engineered system. From pretreatment through RO tank level and post-treatment, the **LRL RO** family becomes a “system” by simply activating standard features.

TRAKLink technology simplifies connections to RO level controls, product divert and waste flush valves, low-pressure switch, pre-treatment equipment interlocks, chemical feeders, booster pumps and remote TDS monitor.

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 – 480VAC, 60Hz,
3PH



Aquatech International Corporation
One Four Coins Drive, Canonsburg, PA 15317 USA
724-746-5300 www.aquatech.com

LRL SERIES REVERSE OSMOSIS SPECIFICATIONS AND DESIGN DATA

SINGLE SYSTEM												
MODEL NO HOUSING LENGTH X HOUSINGS	PRODUCT GPM	FEED GPM	WASTE GPM	FEED PSI @ 35F	FEED PSI @ 55F	MEMBRANES	PUMP HP	PIPE CONNECTIONS			SKID	SHIP WT (lbs)
								INLET	PRODUCT	WASTE	WIDTH x DEPTH x HEIGHT	
LRL-1L-2H	12	29	4	191	136	2	7.5HP	2"	1 1/2"	1"	68"x35"x77"	1700
LRL-1L-3H	18	34	6	197	138	3	7.5HP	2"	1 1/2"	1"	68"x35"x77"	1900
LRL-1L-4H	22	38	8	243	189	4	10HP	2"	1 1/2"	1"	68"x35"x77"	2100
LRL-2L-3H-5E	26	47	11	214	140	5	10HP	2"	1 1/2"	1"	108"x35"x77"	2400
LRL-2L-3H	34	50	11	194	136	6	10HP	2"	1 1/2"	1"	108"x35"x77"	2500
LRL-2L-4H	40	62	13	186	138	8	10HP	2"	1 1/2"	1"	108"x35"x77"	2750
LRL-3L-3H	50	72	17	179	125	9	15HP	2"	2"	1"	148"x41"x77"	3000
LRL-3L-4H	65	86	21	185	129	12	15HP	2"	2"	1"	148"x41"x77"	3300
LRL-4L-3H	65	86	21	179	125	12	15HP	3"	3"	1 1/2"	188"x41"x77"	3400
LRL-4L-4H	80	113	33	192	137	16	25HP	3"	3"	1 1/2"	188"x41"x77"	3600
LRL-4L-5H	100	133	33	194	140	20	25HP	4"	3"	1 1/2"	188"x57"x77"	3800
LRL-4L-6H	125	167	42	190	136	24	30HP	4"	3"	1 1/2"	188"x57"x77"	4000
LRL-4L-7H	150	200	50	225	129	28	40HP	4"	3"	2"	188"x57"x77"	4400
LRL-4L-8H	175	233	58	184	129	32	40HP	4"	3"	2"	188"x57"x77"	4800
LRL-4L-9H	200	267	58	185	129	36	50HP	4"	3"	2"	188"x82"x80"	5400
LRL-4L-10H	225	300	75	178	120	40	60HP	4"	4"	2"	188"x82"x80"	5850
LRL-4L-11H	250	333	83	190	133	44	60HP	4"	4"	2"	188"x82"x80"	6150
LRL-4L-12H	300	400	100	214	148	48	75HP	6"	4"	3"	200"x82"x80"	6500
LRL-4L-15H	350*	466	116	248	156	60	75HP	6"	4"	3"	200"x82"x88"	7000

DUPLEX SYSTEM*		
MODEL NO HOUSING LENGTH X HOUSINGS	PRODUCT GPM	SHIP WT (lbs)
LRL-D-1L-2H	24	3400
LRL-D-1L-3H	36	3800
LRL-D-1L-4H	44	4200
LRL-D-2L-3H-5E	54	4800
LRL-D-2L-3H	68	5000
LRL-D-2L-4H	80	5500
LRL-D-3L-3H	100	6000
LRL-D-3L-4H	130	6600
LRL-D-4L-3H	130	6800
LRL-D-4L-4H	160	7200
LRL-D-4L-5H	200	7600
LRL-D-4L-6H	250	8000
LRL-D-4L-7H	300	8800
LRL-D-4L-8H	350	9600
LRL-D-4L-9H	400	10800
LRL-D-4L-10H	450	11700
LRL-D-4L-11H	500	12300
LRL-D-4L-12H	600	13000
LRL-D-4L-15H	700	14000

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

*Note: Total feed and waste water requirements are two (2) times single unit valves. Refer to single system data for individual unit details.



* At 35F LRL-4L-15H is rated at 340gpm.

