



Pre-engineered Water Treatment Solutions

Standard Features

- All Stainless Structural Steel Frame Construction
- Stainless 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
- Adjustable Height Balancing 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, 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, 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



LRM Series Reverse Osmosis

GENERAL

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

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 – 480VAC, 60Hz, 3PH or 220VAC, 60Hz, 1 PH
NEMA 12 Control Panel w/Fused Disconnect
Emergency Stop



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LRM, LRMD SERIES REVERSE OSMOSIS - SPECIFICATIONS AND DESIGN DATA

LRM SERIES - SINGLE SYSTEM															LRMD SERIES DUPLEX SYSTEM*		
MODEL										PIPE CONNECTIONS			DIMENSIONS		MODEL	PRODUCT GPM	PRODUCT GPD
HOUSING x TEMP RATING °F	PRODUCT GPM	PRODUCT GPD	FEED TEMP °F	FEED PSI	INLET SUPPLY GPM	WASTE GPM	RECIRC GPM	MEMBRANES	PUMP HP	INLET (FLG)	PRODUCT (UNION)	WASTE (UNION)	WIDTH x DEPTH x HEIGHT	APPROX SHIP WGHT (lbs)			
LRM3 - 35	2.25	3240	35	130	3.5	1.25	3	3	2	1"	3/4"	3/4"	26" x 41" x 67"	290	LRMD3 - 35	5.5	6,480
LRM3 - 55	3.5	5040	55	135	5.4	1.9	3	3	2	1"	3/4"	3/4"	26" x 41" x 67"	290	LRMD3 - 55	7	10,080
LRM3 - 77	3.5	5040	77	97	5.4	1.9	3	3	2	1"	3/4"	3/4"	26" x 41" x 67"	290	LRMD3 - 77	7	10,080
LRM4 - 35	4	5760	35	185	6.2	2.2	3	4	3	1"	3/4"	3/4"	26" x 41" x 67"	340	LRMD4 - 35	8	11,520
LRM4 - 55	5	7200	55	146	7.7	2.7	1.5	4	2	1"	3/4"	3/4"	26" x 41" x 67"	330	LRMD4 - 55	10	14,400
LRM4 - 77	5	7200	77	98	7.7	2.7	1.5	4	2	1"	3/4"	3/4"	26" x 41" x 67"	320	LRMD4 - 77	10	14,400
LRM5 - 35	5	7200	35	184	7.7	2.7	1.5	5	3	1"	3/4"	3/4"	26" x 41" x 67"	370	LRMD5 - 35	10	14,400
LRM5 - 55	6	8640	55	141	9.2	3.2	1.5	5	2	1"	3/4"	3/4"	26" x 41" x 67"	360	LRMD5 - 55	12	17,280
LRM5 - 77	6.3	9072	77	99	9.7	3.4	1.5	5	2	1"	3/4"	3/4"	26" x 41" x 67"	350	LRMD5 - 77	12.6	18,144
LRM6 - 35	6	8640	35	186	9.2	3.2	1	6	3	1"	3/4"	3/4"	26" x 41" x 67"	400	LRMD6 - 35	12	17,280
LRM6 - 55	7	10,080	55	139	10.8	3.8	1	6	2	1"	3/4"	3/4"	26" x 41" x 67"	390	LRMD6 - 55	14	20,160
LRM6 - 77	7.6	10,944	77	98	11.7	4.1	1.5	6	2	1"	3/4"	3/4"	26" x 41" x 67"	380	LRMD6 - 77	15.2	21,888
LRM7 - 35	7	10,080	35	184	10.8	3.8	1.5	7	3	1"	3/4"	3/4"	26" x 46" x 67"	430	LRMD7 - 35	14	20,160
LRM7 - 55	8.5	12,240	55	142	13	4.5	1.5	7	3	1"	3/4"	3/4"	26" x 46" x 67"	430	LRMD7 - 55	17	24,480
LRM7 - 77	8.5	12,240	77	95	13	4.5	1.5	7	2	1"	3/4"	3/4"	26" x 46" x 67"	410	LRMD7 - 77	17	24,480
LRM8 - 35	7.5	10,800	35	172	11.5	4	1	8	3	1"	3/4"	3/4"	26" x 46" x 67"	460	LRMD8 - 35	15	21,600
LRM8 - 55	9.7	13,968	55	141	14.9	5.2	0	8	3	1"	3/4"	3/4"	26" x 46" x 67"	460	LRMD8 - 55	19.4	27,936
LRM8 - 77	9.7	13,968	77	93	14.9	5.2	0	8	2	1"	3/4"	3/4"	26" x 46" x 67"	440	LRMD8 - 77	19.4	27,936
LRM10-35	11	15,840	35	208	14.7	3.7	0	10	5	1 1/2"	1"	3/4"	90" x 36" x 72	490	LRMD10-35	22	31,680
LRM10-55	15	21,600	55	182	20	5	0	10	5	1 1/2"	1"	3/4"	90" x 36" x 72	490	LRMD10-55	30	43,200
LRM10-77	15	21,600	77	120	20	5	0	10	5	1 1/2"	1"	3/4"	90" x 36" x 72	490	LRMD10-77	30	43,200
LRM12-35	13	18,720	35	202	17.3	4.3	0	12	5	1 1/2"	1"	3/4"	90" x 36" x 72	565	LRMD12-35	26	37,440
LRM12-55	18	25,920	55	178	24	6	0	12	5	1 1/2"	1"	3/4"	90" x 36" x 72	565	LRMD12-55	36	51,840
LRM12-77	18	25,920	77	118	24	6	0	12	5	1 1/2"	1"	3/4"	90" x 36" x 72	565	LRMD12-77	36	51,840
LRM14-35	15	21,600	35	207	20	5	2	14	5	1 1/2"	1"	3/4"	90" x 36" x 72	625	LRMD14-35	30	43,200
LRM14-55	20	28,800	55	177	26.7	6.7	2	14	5	1 1/2"	1"	3/4"	90" x 36" x 72	625	LRMD14-55	40	57,600
LRM14-77	20	28,800	77	117	26.7	6.7	2	14	5	1 1/2"	1"	3/4"	90" x 36" x 72	625	LRMD14-77	40	57,600
LRM16-35	17	24,480	35	205	22.6	5.6	2	16	5	1 1/2"	1"	3/4"	90" x 36" x 72	695	LRMD16-35	34	48,960
LRM16-55	23	33,120	55	176	30.7	7.7	0	16	5	1 1/2"	1"	3/4"	90" x 36" x 72	695	LRMD16-55	46	66,240
LRM16-77	24	34,560	77	120	32	8	0	16	5	1 1/2"	1"	3/4"	90" x 36" x 72	695	LRMD16-77	48	69,120

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

2HP 230 V/1 PH FLA = 11.3
 480 V/3 PH FLA = 2.7
 3HP 230 V/1 PH FLA = 12.3
 480 V/3 PH FLA = 4.0
 5HP 480 V/3 PH FLA = 6.0

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

