



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 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, Pump Discharge, Membrane Feed & Membrane Waste Pressure Gauges
- RO Pump Suction Pressure Switch
- Adjustable Product Water Pressure Relief
- Cleaning Connections
- Digital Instrumentation
  - *Flow* – Product, Waste & Recirculation
  - *System Recovery* – Product Flow to Waste Ratio
  - *Conductivity* – Product TDS w/Remote Monitoring
  - *Temperature* - Feed Water
  - *Tank Level* – Continuous Level Indication, High Alarm, Low Alarm, Low Level Distribution Pump Cutoff

### Upgrade Options w/TRAKLink Ready Devices

- RO Tank Level Control
- Product Divert Valve
- Waste Flush Valve
- Chemical Feeders
- Remote TDS Indicator

## LRMT Series Reverse Osmosis

### GENERAL

The **LRMT Series** provides high quality design and construction with cost effective features. The **LRMT RO** family combines the durability of a rugged stainless steel frame and components with a full featured instrumentation package.

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



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## LRMT SERIES REVERSE OSMOSIS - SPECIFICATIONS AND DESIGN DATA

DESIGN TEMPERATURE 35F TO 77F														
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 (FLG)	PRODUCT (UNION)	WASTE (UNION)	WIDTH x DEPTH x HEIGHT	APPROXIMATE SHIPPING WEIGHT (lbs)
LRMT3 - 35	2.25	3240	35	130	3.5	1.25	3	3	2	1"	3/4"	3/4"	24"x36"x72"	290
LRMT3 - 55	3.5	5040	55	135	5.4	1.9	3	3	2	1"	3/4"	3/4"	24"x36"x72"	290
LRMT3 - 77	3.5	5040	77	97	5.4	1.9	3	3	2	1"	3/4"	3/4"	24"x36"x72"	290
LRMT4 - 35	4	5760	35	185	6.2	2.2	3	4	3	1"	3/4"	3/4"	24"x36"x72"	340
LRMT4 - 55	5	7200	55	146	7.7	2.7	1.5	4	2	1"	3/4"	3/4"	24"x36"x72"	330
LRMT4 - 77	5	7200	77	98	7.7	2.7	1.5	4	2	1"	3/4"	3/4"	24"x36"x72"	320
LRMT5 - 35	5	7200	35	184	7.7	2.7	1.5	5	3	1"	3/4"	3/4"	24"x36"x72"	370
LRMT5 - 55	6	8640	55	141	9.2	3.2	1.5	5	2	1"	3/4"	3/4"	24"x36"x72"	360
LRMT5 - 77	6.3	9072	77	99	9.7	3.4	1.5	5	2	1"	3/4"	3/4"	24"x36"x72"	350
LRMT6 - 35	6	8640	35	186	9.2	3.2	1	6	3	1"	3/4"	3/4"	24"x36"x72"	400
LRMT6 - 55	7	10,080	55	139	10.8	3.8	1	6	2	1"	3/4"	3/4"	24"x36"x72"	390
LRMT6 - 77	7.6	10,944	77	98	11.7	4.1	1.5	6	2	1"	3/4"	3/4"	24"x36"x72"	380
LRMT7 - 35	7	10,080	35	184	10.8	3.8	1.5	7	3	1"	3/4"	3/4"	24"x44"x72"	430
LRMT7 - 55	8.5	12,240	55	142	13	4.5	1.5	7	3	1"	3/4"	3/4"	24"x44"x72"	430
LRMT7 - 77	8.5	12,240	77	95	13	4.5	1.5	7	2	1"	3/4"	3/4"	24"x44"x72"	410
LRMT8 - 35	7.5	10,800	35	172	11.5	4	1	8	3	1"	3/4"	3/4"	24"x44"x72"	460
LRMT8 - 55	9.7	13,968	55	141	14.9	5.2	0	8	3	1"	3/4"	3/4"	24"x44"x72"	460
LRMT8 - 77	9.7	13,968	77	93	14.9	5.2	0	8	2	1"	3/4"	3/4"	24"x44"x72"	440
LRMT10-35	11	15,840	35	208	14.7	3.7	0	10	5	1 1/2"	1"	3/4"	90"x36"x72"	490
LRMT10-55	15	21,600	55	182	20	5	0	10	5	1 1/2"	1"	3/4"	90"x36"x72"	490
LRMT10-77	15	21,600	77	120	20	5	0	10	5	1 1/2"	1"	3/4"	90"x36"x72"	490
LRMT12-35	13	18,720	35	202	17.3	4.3	0	12	5	1 1/2"	1"	3/4"	90"x36"x72"	565
LRMT12-55	18	25,920	55	178	24	6	0	12	5	1 1/2"	1"	3/4"	90"x36"x72"	565
LRMT12-77	18	25,920	77	118	24	6	0	12	5	1 1/2"	1"	3/4"	90"x36"x72"	565
LRMT14-35	15	21,600	35	207	20	5	2	14	5	1 1/2"	1"	3/4"	90"x36"x72"	625
LRMT14-55	20	28,800	55	177	26.7	6.7	2	14	5	1 1/2"	1"	3/4"	90"x36"x72"	625
LRMT14-77	20	28,800	77	117	26.7	6.7	2	14	5	1 1/2"	1"	3/4"	90"x36"x72"	625
LRMT16-35	17	24,480	35	205	22.6	5.6	2	16	5	1 1/2"	1"	3/4"	90"x36"x72"	695
LRMT16-55	23	33,120	55	176	30.7	7.7	0	16	5	1 1/2"	1"	3/4"	90"x36"x72"	695
LRMT16-77	24	34,560	77	120	32	8	0	16	5	1 1/2"	1"	3/4"	90"x36"x72"	695

**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

