

Introducing the Next Generation of Low Pressure RO Systems!

The new **Reo-Pure™ LP3 Series** offers high production capabilities with low energy consumption and ultra low operating pressure.

Experienced and proud workmanship, combined with high quality components, deliver reliable reverse osmosis systems for a wide variety of applications.

Engineered for optimal space savings; low operating costs; sediment and carbon pre-filtration; built-in system monitoring tools; fast setup/installation and years of easy servicing and maintenance.



LP3-50-200



LP3-1000

**Available in Capacities for
50 - 1,750 Gallons Per Day**

Benefits

- ❖ Low Energy Consumption
- ❖ Ultra Low Operating Pressure
- ❖ High Production Capabilities
- ❖ Low Operation & Maintenance Costs
- ❖ Slim & Compact Design
- ❖ Fully Assembled, Plumbed & Wired
- ❖ Factory Tested to High Standards
- ❖ Fast & Easy Maintenance/Serviceing
- ❖ One Year Limited Warranty
- ❖ Made in the U.S.A.

Standard Features

- ❖ Powder Coated Aluminum Frame
- ❖ 5 Micron Sediment Pre-Filter
- ❖ 10 Micron Carbon Block Pre-Filter
- ❖ Pentek® Slim Line Filter Housings
- ❖ Fluid-O-Tech™ Rotary Vane Pump
- ❖ High Efficiency Carbonator Motor
- ❖ On / Off In-Line Power Switch
- ❖ Ultra Low Pressure Membrane Elements
- ❖ Water Saving Recirculation Loop
- ❖ Manual Membrane Flush Valve
- ❖ Feed Water Shut-Off Valve
- ❖ Product Water Check Valve
- ❖ Feed Water Low Pressure Switch
- ❖ Product Water Pressure Switch
- ❖ 0-100 PSI Pre-Filter Pressure Gauges
- ❖ 0-300 PSI System Operating Pressure Gauge
- ❖ John Guest® Fittings with Locking Clips

Options & Upgrades

- ❖ Atmospheric Storage Tank 'Plug & Play' Connection
- ❖ Automatic Membrane Flush *(select models only)*
- ❖ In-Line TDS Monitor
- ❖ Stainless Steel Components
- ❖ Low Lead Compliant Systems
- ❖ Highly secured wood crating
- ❖ 220V / 50Hz *(select models only)*

LP3 SERIES MODELS	LP3-50	LP3-100	LP3-200	LP3-225	LP3-350	LP3-500	LP3-750	LP3-1000	LP3-1750
Flow Rates									
Permeate Flow:	50 GPD (0.04 GPM)	100 GPD (0.07 GPM)	200 GPD (0.14 GPM)	225 GPD (0.16 GPM)	350 GPD (0.24 GPM)	500 GPD (0.35 GPM)	750 GPD (0.52 GPM)	1,000 GPD (0.69 GPM)	1,750 GPD (1.22 GPM)
Connections									
Inlet Connection:	3/8" NPTF	3/8" NPTF	3/8" NPTF	3/8" NPTF	3/8" NPTF	3/8" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
Product Connection:	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	1/2" Tube
Reject Connection:	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	1/2" Tube
Membranes									
Membrane Element:	2" x 12" (Qty. 1)	2" x 12" (Qty. 1)	2" x 12" (Qty. 1)	2" x 12" (Qty. 1)	2.5" x 21" (Qty. 1)	2" x 26" (Qty. 1)	2.5" x 40" (Qty. 1)	4" x 21" (Qty. 1)	4" x 40" (Qty. 1)
Membrane Vessel:	PVC	PVC	PVC	PVC	Stainless Steel	PVC	Stainless Steel	Stainless Steel	Stainless Steel
Pre-Treatment									
Filter Housing Type:	10" Slim Line (Qty. 2)	10" Slim Line (Qty. 2)	10" Slim Line (Qty. 2)	20" Slim Line (Qty. 2)	20" Slim Line (Qty. 2)	20" Slim Line (Qty. 2)	20" Slim Line (Qty. 2)	20" Slim Line (Qty. 2)	20" Slim Line (Qty. 2)
Pumps & Motors									
Pump Type:	Rotary Vane (60 GPH)	Rotary Vane (60 GPH)	Rotary Vane (60 GPH)	Rotary Vane (60 GPH)	Rotary Vane (125 GPH)	Rotary Vane (60 GPH)	Rotary Vane (140 GPH)	Rotary Vane (140 GPH)	Rotary Vane (320 GPH)
Motor (60 Hz):	1/4 HP	1/4 HP	1/4 HP	1/4 HP	1/3 HP	1/4 HP	1/3 HP	1/2 HP	3/4 HP
System Dimensions									
Approximate Weight:	30 lbs.	30 lbs.	30 lbs.	40 lbs.	45 lbs.	50 lbs.	55 lbs.	58 lbs.	65 lbs.
System Dim. (H x W x D):	22" x 12" x 17"	22" x 12" x 17"	22" x 12" x 17"	33" x 14" x 16"	33" x 14" x 16"	35" x 14" x 16"	50" x 14" x 16"	33" x 14" x 16"	55" x 14" x 16"
Shipping Dim. (H x W x D):	25" x 25" x 18"	25" x 25" x 18"	25" x 25" x 18"	41" x 21" x 19"	41" x 21" x 19"	41" x 21" x 19"	55" x 21" x 19"	41" x 21" x 19"	60" x 21" x 19"

DESIGN CONDITIONS

Operating Pressure: 100 PSI (LP3-500 at 150 PSI)

Maximum Operating Pressure: 150 PSI (LP3-500 at 180 PSI)

Feed Water TDS: 500 PPM as NaCl

Low Feed Water Pressure Switch: System shut down at 15 PSI decreasing pressure.

Product Water Pressure Switch: System shut down at 45 PSI
System starts up at 25 PSI

Membrane Element: TFC Polyamide - High Flux

Rejection Rate: Minimum 95% - Maximum 99%

Design Recovery: 50%

Electrical: 115V, 60Hz, 1Ph
(220V, 50Hz, 1 Ph Optional)

FEED WATER PARAMETERS

Designed for use with potable water sources only.

Temperature Range: 40°F - 90°F (5°C - 30°C)

Feed Water TDS: < 2,000 PPM

Hardness: 10 GPG

Iron: 0.01 PPM (dissolved)

Turbidity: < 1 NTU

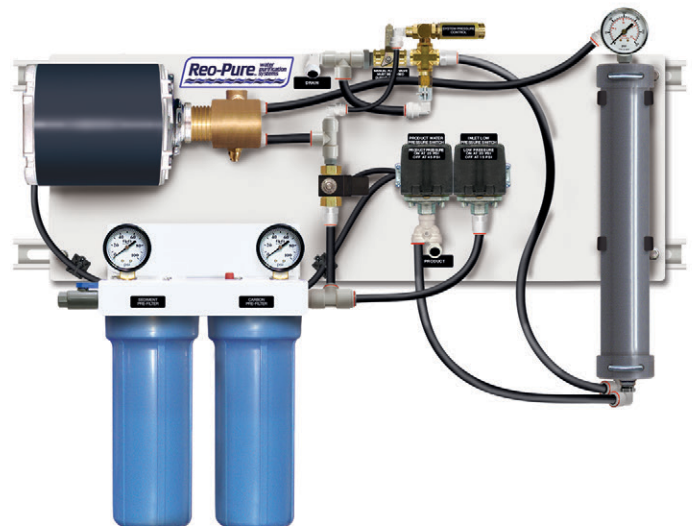
Hydrogen Sulfide: Must be removed

Chlorine: < 0.1 PPM

Manganese: < 0.05 PPM

Inlet Feed Water Pressure: 40 PSI - 85 PSI

WALL MOUNT SYSTEMS ALSO AVAILABLE



LP3-WMS 50/100/200

Wall Mount Models

LP3-WMS 50

LP3-WMS 100

LP3-WMS 200

LP3-WMS 225