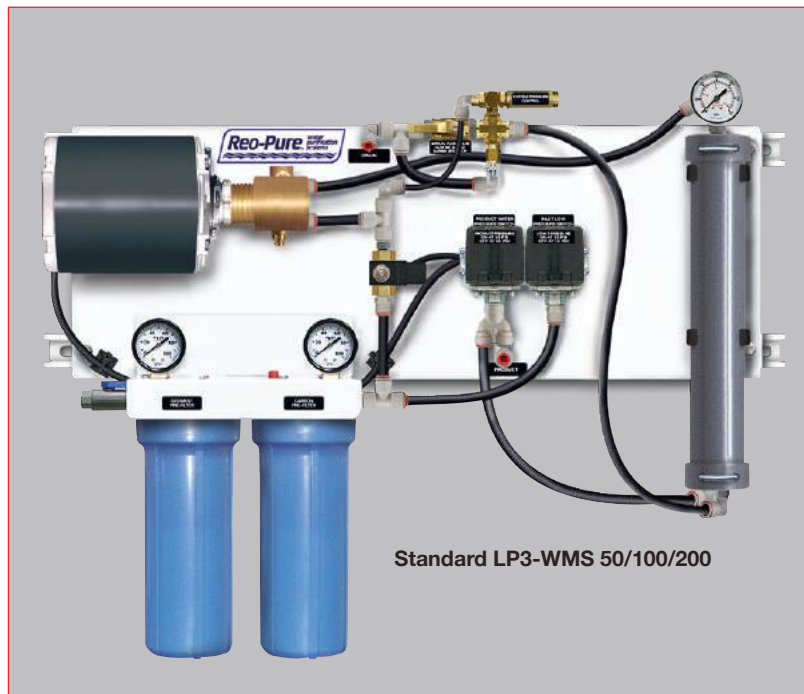


The LP3-WMS Series offers a convenient wall mount design with high production capabilities, low energy consumption and ultra low operating pressures. Engineered with optimal space savings, lower operating expenses, fast setup/installation and years of easy servicing and maintenance. Experienced and proud workmanship, combined with high quality components, delivers a reliable reverse osmosis system for a wide variety of applications.

### STANDARD FEATURES

- Sediment/Carbon Pre-Filtration
- Pentek® 10" or 20" Slim Line Housings
- Low Feed Water Pressure Safety Switch
- Product Water Pressure Switch
- On/Off Standby Switch
- Feed Water Shutoff Ball Valve
- Water Saving Recirculation Loop
- Pre and Post Filter Pressure, Liquid Gauges
- Operating Pressure, Liquid Gauge
- Feed Water Solenoid Valve
- Fluid-O-Tech™ Rotary Vane Pump
- High Efficiency Carbonator Motor
- Manual Membrane Flush Valve
- Product Water Check Valve
- John Guest® Safety Locking Clips
- 115V, 60HZ, 1PH Electrical
- Powder Coated Aluminum Frame
- Factory Tested for Quality
- Assembled in the U.S.A.
- One Year Limited Warranty



MODEL	DESIGN RECOVERY	NOMINAL TDS REJECTION	DIMENSIONS (L x D x H)
LP3-WMS-50	50%	98-99%	34" x 8" x 26"
LP3-WMS-100	50%	98-99%	34" x 8" x 26"
LP3-WMS-200	50%	98-99%	34" x 8" x 26"
LP3-WMS-225	50%	98-99%	34" x 8" x 36"
LP3-WMS-350	50%	98-99%	34" x 8" x 36"
LP3-WMS-500	50%	98-99%	34" x 8" x 36"
LP3-WMS-750	50%	98-99%	34" x 8" x 48"
LP3-WMS-1000	50%	98-99%	34" x 8" x 36"

### OPTIMUM

with Intelligent RO Controller

- ▶ Automatic Membrane Flush
- ▶ Pretreatment Lockout
- ▶ Tank Full Indicator
- ▶ LED Status Indicators
- ▶ Field Selectable Programs
- ▶ Smooth Start/Stop Operations
- ▶ System Fault Notifications

# TAKE CONTROL OF YOUR RO SYSTEM

Available on all LP3-WMS 50-1000 Models

## INTELLIGENT MICROPROCESSOR RO CONTROLLER

**System Insight:** Instantly know the current state of your RO system. LED status indicators show low feed pressure, tank full, system flushing, pump/solenoid operation, and pre-treat lockout.

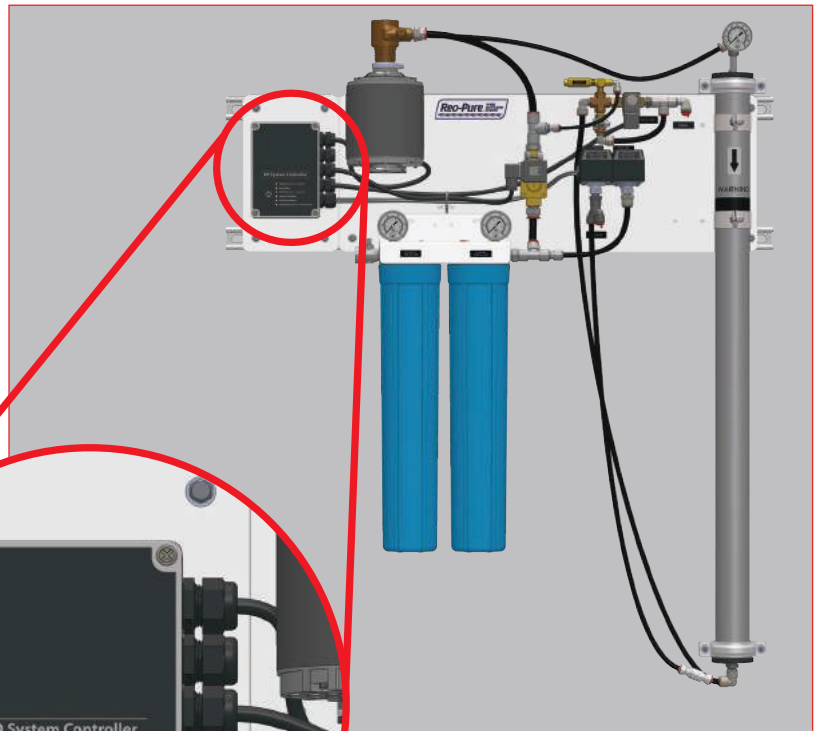
**On-Site Control:** Easily change the flush behavior with the flip of a switch. Four user-selectable programs to best suit your needs.

**Pretreatment Communication:** Prevent unwanted fault conditions by connecting with your pretreatment equipment. RO system temporarily pauses operation during pre-treat backflush.

**Smooth System Operation:** Advanced microprocessor controls the timely activation of major components. This helps to ensure smooth system startups and shutdowns.

## UPGRADED FEATURES

- Advanced RO Controller
- Automatic Membrane Flush
- Pretreatment Lockout
- Tank Full Indicator
- LED Status Indicators
- Field Selectable Flush Settings
- Fault Condition Handling
- Switch Delays for Nuisance Tripping
- Smooth Start & Stop Operations



## OPTIONAL FEATURES

**Atmospheric Tank Connection:** Allows RO system to operate with an atmospheric storage tank. Includes 20' float with weight.

**Stainless Steel Model:** Offers optimal resistance to corrosion in higher than normal TDS applications.

**Lead Free Model:** Offers low lead compliant material for necessary applications.

**220V/50HZ/1PH:** Electrical configuration for alternative install site requirements.

**TDS Monitor:** Monitor the performance of your membrane, and know when to service or replace.

- SM-1 HM Digital® Single Probe, Digital Display
- DM-2 HM Digital® Dual Probe, Digital Display

*\* Additional options and upgrades available*



# LIGHT COMMERCIAL SYSTEMS

## LP3-WMS Series RO Systems: 50-1000 GPD Models

SYSTEM SPECIFICATIONS	LP3-WMS 50	LP3-WMS 100	LP3-WMS 200	LP3-WMS 225	LP3-WMS 350	LP3-WMS 500	LP3-WMS 750	LP3-WMS 1000
<b>DESIGN</b>								
System Capacity	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
Configuration	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass
Nominal Salt Rejection	98-99%	98-99%	98-99%	98-99%	98-99%	98-99%	98 - 99%	98-99%
Recovery Rate	50%	50%	50%	50%	50%	50%	50%	50%
<b>CONNECTIONS</b>								
Inlet	3/8" FNPT	3/8" FNPT	3/8" FNPT	3/8" FNPT	3/8" FNPT	3/8" FNPT	1/2" FNPT	1/2" FNPT
Product & Drain	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube	3/8" Tube
<b>MEMBRANES</b>								
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)
Membrane Vessel	PVC	PVC	PVC	PVC	Stainless Steel	PVC	Stainless Steel	Stainless Steel
<b>PRE-TREATMENT</b>								
Filter Housing	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)
<b>PUMP &amp; MOTOR</b>								
Pump	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)
Motor HP @ 60 (50HZ)	1/4 (1/3)	1/4 (1/3)	1/4 (1/3)	1/4 (1/3)	1/3 (1/3)	1/4 (1/3)	1/3 (1/2)	1/2 (1/2)
<b>ELECTRICAL</b>								
Standard Voltage	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH
Voltage Options	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH
<b>SYSTEM DIMENSIONS</b>								
Approximate Weight	50 lbs.	50 lbs.	50 lbs.	55 lbs.	58 lbs.	60 lbs.	62 lbs.	68 lbs.
System Dimensions (L x D x H)	34" x 8" x 26"	34" x 8" x 26"	34" x 8" x 26"	34" x 8" x 36"	34" x 8" x 36"	34" x 8" x 36"	34" x 8" x 48"	34" x 8" x 36"

DESIGN CONDITIONS	
Operating Pressure	100 PSI (LP3-WMS 500 at 150 PSI)
Maximum Operating Pressure	150 PSI (LP3-WMS 500 at 180 PSI)
Feed Water TDS	500 PPM as NaCl
Low Feed Water Pressure Switch	15 OFF / 20 ON
Product Water Pressure Switch	45 OFF / 25 ON
Membrane Element	TFC Polyamide - High Flux
Rejection Rate	Minimum 98% - Maximum 99%
Design Recovery	50%
Electrical	115V, 60HZ, 1PH (220V, 50HZ, 1PH Optional)

FEED WATER PARAMETERS <i>Designed for use with potable water sources only.</i>	
Temperature Range	40°F - 90°F (5°C - 30°C)
Inlet Feed Water Pressure	40 PSI - 85 PSI
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
pH Range	3 to 11

\* System production may vary depending on incoming water temperature and chemistry. System specifications are based on the above design conditions. Carbon filter included with LP3 Series.



REVERSE OSMOSIS & FILTER SYSTEMS  
SSLP3WMS501000-04272018

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