

# Light Commercial RO Systems



## LP-ES RO SYSTEM OPERATING SPECIFICATIONS

### Reo PRODUCTION RATES

◆ LP-ES 50	50 GPD/.04 GPM*	◆ LP-ES 500	500 GPD/.35 GPM*
◆ LP-ES 100	100 GPD/.07 GPM*	◆ LP-ES 900	900 GPD/.63 GPM*
◆ LP-ES 200	200 GPD/.14 GPM*	◆ LP-ES 1750	1750 GPD/1.22 GPM*
◆ LP-ES 225	225 GPD/.16 GPM*		

\* System production may vary depending upon incoming water temperature and chemistry.

<b>REJECTION RATE:</b>	Minimum 95%	Maximum 99%
<b>LOW FEED WATER PRESSURE SWITCH:</b>	System Shuts Down @ 15 PSI Decreasing Pressure.	
<b>PRODUCT WATER PRESSURE SWITCH:</b>	System Shuts Down @ 45 PSI. System Starts @ 25 PSI.	
<b>ELECTRICAL:</b>	Standard-115V, 60Hz, 1Ph	Optional- 220V, 50Hz, 1Ph
<b>MAX. SYSTEM OPERATING PRESSURE:</b>	180 PSI	

## LP-ES FEED WATER PARAMETERS

LP-ES Systems are designed for use on potable water sources only.

<b>HARDNESS:</b>	Maximum 10 GPG (Over 10 GPG should be softened)
<b>IRON:</b>	Maximum 0.5 PPM (Dissolved only)
<b>TURBIDITY:</b>	Maximum 1 NTU
<b>HYDROGEN SULFIDE:</b>	Must be removed.
<b>INLET WATER PRESSURE:</b>	Minimum 35 PSI Maximum 75 PSI
<b>pH RANGE:</b>	4 to 10
<b>FEED WATER TDS:</b>	Consult a Reo-Pure Dealer if TDS is over 2000 PPM.
<b>TEMPERATURE:</b>	Minimum 45°F Maximum 90°F

## LP-ES TEST CONDITIONS

<b>OPERATING PRESSURE:</b>	150 PSI (Except LP-ES 1750 is 100 PSI)
<b>FEED WATER TDS:</b>	500 PPM as NaCl
<b>DESIGN TEMPERATURE:</b>	77°F (25°C)
<b>MEMBRANE:</b>	Energy Saving High Flow Composite Polyamide
<b>DESIGN RECOVERY:</b>	50%

## LP-ES DESIGN SPECIFICATIONS

Model	Production Rate * GPD/LPD	Operating Pressure	Inlet Conn.	Product/Reject Conn.	Filter Housing	Membrane Element	Motor 60 Hz	Motor 50Hz
LP-ES 50	50 / 190	150 PSI	3/8"FPT	3/8"Tube	10" SL	2 x 12	1/4 HP	1/3 HP
LP-ES 100	100 / 379	150 PSI	3/8"FPT	3/8"Tube	10" SL	2 x 12	1/4 HP	1/3 HP
LP-ES 200	200 / 757	150 PSI	3/8"FPT	3/8"Tube	10" SL	2 x 12	1/4 HP	1/3 HP
LP-ES 225	225 / 853	150 PSI	3/8"FPT	3/8"Tube	20" SL	2 x 12	1/4 HP	1/3 HP
LP-ES 500	500 / 1894	150 PSI	3/8"FPT	3/8"Tube	20" SL	2 x 26	1/4 HP	1/3 HP
LP-ES 900	900 / 3409	150 PSI	1/2"FPT	3/8"Tube	20" SL	2 x 26 (2)	1/3 HP	1/3 HP
LP-ES 1750	1750 / 6625	100 PSI	1/2"FPT	3/8"Tube	20" SL	4 x 40	3/4 HP	3/4 HP