

## LP-Series Reverse Osmosis Systems

**FLEXEON LP - Series Light Commercial Reverse Osmosis Systems** are engineered in response to the need within the light commercial market for a pump-less system. Relying solely on line pressure, the LP-Series systems provide a lower cost solution for customers and are easy to install and maintain. These systems are designed to be wall-mounted and feature 20" Slim Line filters, cartridge housings, membranes and membrane housings. The LP-Series is available in models that produce 350 and 700 gallons per day at a line pressure of 70 psi.

The models can also be upgraded with a cover that includes AXEON pressure gauges and a 20" floor stand.

### Standard Features

- Membrane Element
  - AXEON® TF-3012-500 Membrane Element
- Membrane Housing
  - AXEON 3012 Membrane Housing
- Filter Cartridges
  - AXEON 5 Micron Sediment Pre-Filter
  - AXEON 10 Micron Carbon Block Pre-Filter and Post-Filter
- Filter Housings
  - AXEON by Pentair® 20" Slim Line Cartridge Housings
- Flow Control
  - $\frac{3}{8}$ " Automatic Shut Off Valve
- Brackets and Clips
- John Guest® Push/Pull Fittings with Locking Safety Clip

### Options and Upgrades

- 20" Floor Stand
- HM Digital® DM-2 TDS Meter
- Cover with AXEON Glycerin-Filled Pressure Gauges
  - Including:
    - Post-Filter Pressure Gauge
    - Operational Pressure Gauge
    - Permeate Pressure Gauge
- Cover without Pressure Gauges



Engineered Water Treatment Solutions

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MODELS	SYSTEM CAPACITY		MEMBRANE ELEMENTS		STANDARD RECOVERY	NOMINAL TDS REJECTION	DIMENSIONS L X W X H IN (CM)	SHIPPING WEIGHT LBS (KG)
	GPD	LPD	SIZE	QUANTITY				
LP-350	350	1,325	3012	1	40%	96%	17 x 7.5 x 29 (43.2 x 19 x 122.7)	35 (15.8)
LP-700	700	2,650	3012	2	40%	96%	17 x 7.5 x 29 (43.2 x 19 x 122.7)	38 (17.1)

## Specifications

Product Specifications		
Models	LP-350	LP-700
<b>Design</b>		
Configuration	Single Pass	Single Pass
Feed Water Source (ppm)	TDS up to 250	TDS up to 250
Standard Recovery Rate*	40%	40%
<b>Rejection and Flow Rates</b>		
Nominal Salt Rejection	98%	98%
Nominal Permeate Flow*	0.25 / 0.95	0.35 / 1.9
Nominal Concentrate Flow (gpm / lpm)	0.38 / 1.43	0.75 / 2.85
<b>Connections</b>		
Feed (in)	3/8" Tube	3/8" Tube
Permeate (in)	3/8" Tube	3/8" Tube
Concentrate (in)	3/8" Tube	3/8" Tube
<b>Membranes</b>		
Membranes Per Vessel	1	1
Membrane Quantity	1	2
Membrane Size	3012	3012
<b>Vessels</b>		
Vessel Array	1	2 (Parallel)
Vessel Quantity	1	2
<b>System Dimensions</b>		
Approx. L x W x H (in / cm)*	17 x 7.5 x 29 / 43.2 x 19 x 122.7	17 x 7.5 x 29 / 43.2 x 19 x 122.7
Approx. Weight (lb / kg)	35 / 15.8	38 / 17.1

\*Product flow and recovery rates are based on feedwater conditions of 250 TDS at 77°F at 70 psi. Treatment ability of the RO system is dependent on feedwater quality and feed pressure. Higher TDS and/or lower temperatures and/or pressure will reduce product flow.

## Operating Limits

Design Temperature	77°F	Max. Turbidity (NTU) <sup>^</sup>	1
Max. Feed Temperature	85°F	Max. Free Chlorine (ppm)	0
Min. Feed Temperature	50°F	Max. TDS (ppm) <sup>**</sup>	250
Max. Ambient Temperature	120°F	Max. Hardness (gpg) <sup>^^</sup>	1
Min. Ambient Temperature	40°F	Max. pH (Continuous)	11
Max. Inlet Pressure psi	85	Min. pH (Continuous)	3
Min. Inlet Pressure psi	45	Max. pH (Cleaning 30 Min.)	12
Max. SDI Rating	<1	Min. pH (Cleaning 30 Min)	2

Test Parameters: Static pressure tested.

<sup>^</sup> Appropriate Pre-filtration must be installed in order to prevent premature membrane fouling.

<sup>^^</sup> Scale prevention measures must be taken to prolong membrane life.