



WATER

Industrial Water Purification

1(800) CAL-WATER

Reverse Osmosis Systems CAL-B-LP Series 12,000 to 30,000 Gallons Per Day 8.3 to 21 Gallons Per Minute

The **CAL-B Series** Reverse Osmosis (RO) units are low cost, high performance systems, that are both simple to operate and energy efficient. High product to brine ratios conserve water and reduce pre-treatment and power costs. A **CAL-B** RO unit features state-of-the-art low pressure (~130 psi), high rejection (98-99%) TFC membranes. The result is a series of commercial reverse osmosis systems that are environmentally friendly with low operating costs.

STANDARD FEATURES



CAL-B/30K-LP Reverse Osmosis Unit

- High rejection (98-99%), low pressure spiral wound 4" TFC Membranes that feature turbulent flow for the ultimate in fouling resistance
- Stainless steel multi-stage pump with TEFC motor
- The PA-100 microprocessor control system integrates a panel mounted Hanna® digital TDS controller with status LED's and a 3 digit LED display on the control panel to provide real time system and sensor information, both locally and remotely. The PA-100 control system has adjustable limit switch closures for external control
- Water tight power wiring / shrouding
- Heavy-duty 5 micron pre-filter
- Liquid filled high impact pressure gauges on pump feed and concentrate
- Flow meters on product and waste streams

- Pump discharge throttling valve
- Concentrate control valve
- Inlet solenoid valve
- High and low pressure switches
- Membrane flush capability
- Epoxy coated frame
- Factory tested
- All components that come in contact with the product water are either inert plastic or stainless steel
- Complete instruction manual
- Fast, responsive factory and dealer support on any problem or question



CAL-B/30K-XLP Custom RO

**For More Information Please Call
1(800)CAL-WATER - (800) 225-9283**

OPTIONS

- Membrane Selections from nanofilter to 99.7% ultra-high rejection
- Skid mounted pre-treatment packages that include cartridge or multimedia filters, GAC or KDF chlorine removal, and water softener or antiscalant feeders. (Please see Pretreatment Skids literature)
- Comprehensive control and alarm panels with user adjustable limits and timers.
- Automated Fast Flush
- Digital Flow Meters
- Concentrate Recycle Valve
- FRP Pressure Vessels (250 & 400 psi)
- Stainless steel pressure vessels (300 psi)
- Stainless steel plumbing and valves
- Pretreatment lockout
- High pressure switch
- Differential Pre-filter Pressure Gauges (In/Out)
- 380/415V/3Ph/50Hz Power options.
- pH - ORP monitor/controllers
- Stainless steel or powder coated frame
- Custom built units
- Export crating
- USB or Ethernet connection to download data to a computer.
- Full Computer Control/Data Acquisition. (Network capable.)
- **Cal Water support**, including service contracts. (Limited - **OR** - Turnkey.)

SIZING AND SELECTION

Model No.	Product		Membranes 4" x 40"	Pump HP	Inlet Pipe Size	Unit Specifications	
	GPD	GPM				Dimensions	Wt (lbs)
CAL-B- 12K -LP	12,000	8.3	8	3	3/4"	96"x 43"x 60"	750
CAL-B- 15K -LP	15,000	10.4	10	5	1	96"x 43"x 60"	850
CAL-B- 21K -LP	21,000	14.6	14	5	1 1/2"	96"x 43"x 60"	900
CAL-B- 24K -LP	24,000	16.7	16	5	1 1/2"	96"x 43"x 68"	950
CAL-B- 27K -LP	27,000	18.8	18	7 1/2	1 1/2"	96"x 43"x 68"	990
CAL-B- 30K -LP	30,000	20.8	20	7 1/2	2"	96"x 43"x 68"	1025

Minimum inlet pressure is 40 psi. Maximum chlorine or other oxidizer content is 0.1 ppm. Maximum operating temperature is 113 °F (45 °C). pH range for continuous operation is 4-11. pH for short term cleaning is 2.5-11. Maximum feed turbidity is 1 NTU. Typical operating pressure ranges from 50 psi to 175 psi. Actual operating pressure is dependent upon feed temperature, salinity and recovery flux rate. Maximum operating pressure is 350 psi.

(NOTE: Specifications are subject to change without notice. Please Consult Factory before finalizing a design or placing an order.)

Limited Warranty: CAL-B systems, controls and pressure vessels have a 1-year warranty. Warranty is for the repair or replacement of the equipment only, barring misuse or abuse, at Cal Water's discretion, and excludes any loss or damage caused by defect in, or malfunction of, equipment or labor. (Please see Terms and Conditions of Sale)

Cal-Water has been selling, installing and servicing water purification equipment since **1946**.

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