



WATER

Industrial Water Purification

1(800) CAL-WATER

Reverse Osmosis Systems CAL-C-LP Series 28,800 to 172,800 Gallons Per Day 20 to 120 Gallons Per Minute

The **CAL-C Series** Reverse Osmosis (RO) units are low cost, high volume 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-C** RO unit features state-of-the-art low pressure (~130 psi), high rejection (98-99%) spiral wound TFC membranes as standard. The result is a series of commercial-Industrial reverse osmosis systems that are both user and environmentally friendly.

STANDARD FEATURES

- High rejection (98-99%), low pressure spiral wound 8" TFC Membranes that feature turbulent flow for the ultimate in fouling resistance
- High feed water recovery (60%-85%)
- FRP 250 psi Pressure Vessels (400 psi Optional)
- 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 housing
- 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-C/28-K Reverse Osmosis Unit

**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
- **CIP** (Clean In Place) capability.
- Stainless steel pressure vessels (400 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.	Permeate		HPP @ 3 years				8" Membranes		Shipping Weight Lbs
	GPD	M ³ /Day	GPM	PSI	HP (50Hz)	HP (60Hz)	Number	Array	
CAL-C- 28 -K	28,800	109	20	240	7.5	10	4	1	2,300
CAL-C- 36 -K	36,000	136	25	225	10	10	5	1	2,400
CAL-C- 43 -K	43,000	163	30	225	15	10	6	1	2,500
CAL-C- 57 -K	57,000	216	40	230	15	15	8	1:1	2,600
CAL-C- 72 -K	72,000	273	50	250	20	15	10	1:1	2,700
CAL-C- 87 -K	87,000	329	60	230	20	20	12	2:1	2,800
CAL-C- 108 -K	108,000	409	75	235	25	25	15	2:1	3,200
CAL-C- 130 -K	130,000	492	90	235	25	25	18	2:1	3,500
CAL-C- 144 -K	144,000	545	100	235	25	25	20	2:2	4,200
CAL-C- 172 -K	172,800	654	120	230	25	25	24	3:1	4,750

Minimum inlet pressure is 40 psi. Maximum chlorine or other oxidizer content is 0.1 ppm. Maximum iron content is 0.05 ppm. Maximum operating temperature is 95 °F (35 °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 375 psi.

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

Limited Warranty: CAL-C 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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