

The Ampac USA LX™ Commercial Reverse Osmosis Systems are the ultimate Water Purification choice for Brackish or Well Water Treatment Projects.

The Ampac USA™ AP10K-LX Reverse Osmosis is capable of removing salts and impurities with a molecular weight greater than 150-200 Dalton, this system comes with capacities ranging from 10,000 to 12,650 GPD and a maximum feed water salinity of 10,000 ppm. We offer Standard Series Units as well as customizable to fit your water application requirement.

Ampac USA provide the best in Reverse Osmosis Technology.

Ampac-USA custom engineer, design, fabricate and manufacture to suite the toughest Water Purification conditions around the world without compromises. In addition, we're particularly noted for our technical services and our after sales support, and we are available to assist with your specific customized applications.



Commercial Reverse Osmosis Systems
10,000 GPD (37.8m³/day)

Standard Features:

- Light Weight Aluminum, Powder Coated Frame
- Micro Processor PLC Based Control Panel
- Heavy Duty 5 Micron Sediment Pre-Filter
- Extruded 5 Micron Carbon Block Pre-Filter
- TFC Spiral Wound Membrane Elements
- FRP Membrane Vessels 300 PSI
- Liquid Filled Stainless Steel Pressure Gauges
- Low & Hi Pressure Switches
- Permeate and Concentrate Flow Meters
- System Pressure Control Stainless Steel Valve
- Automatic Feed Shut Off Valve
- High Pressure Relief Valve
- 316L Stainless Steel High Pressure Piping
- Inlet-Feed Solenoid Valve.

Optional Features:

- HMI w/Touchscreen and Remote Communications
- On-Demand Feed Supply Pumps for Feed Water
- On-Demand Delivery Pumps for Fresh Water
- Full Duplex Titanium Booster Pumps
- Alkaline pH Adjust Post Filter
- Ultra Violet sterilization integrated
- Membrane Auto-Flush
- Membrane Flush on-Demand Pump
- CIP (Clean in Place System Integrated)
- Multimedia Pre-Filter with Auto Backwash Valve
- Ion Exchange Water Softener with Auto Backwash Valve
- Anti-scalant injection
- Chemical Injection Systems including Tank, Pump & Mixer
- Explosion Proof Rating Class 1, Div 1

Model	Part Number	Power Volts/Ph/Hz/Amps	Capacity GPD - m ³ /day	Dimensions W x D x H inch/cm	Weight lbs/kg
AP10K-LX	AP10K-60Hz	230 / 3 / 60 / 13.0	10,000 GPD	120" x 38" x 72"	950 lbs
	AP10K-50Hz	220 / 3 / 50 / 15.7	37.8 m ³ /Day	304 x 96 x 182 cm	431 kg

Spares and Consumables

Part No.	Description	Part No.	Description
10-SF05	Sediment Pre-Filter	20-OR08	Membrane O-Ring Kit 8"
10-CB05	Carbon Block Pre-Filter	BW030-80	Membrane Element (Model AP-3K, AP-6K, AP-8K)
10-AK05	Alkaline Post-Filter	BW100-80	Membrane Element (Model BW-10K)
10-OR05	Filter O-Ring	AP11-500	R/O Membrane Cleaning Kit Acid & Alkaline
20-FP05	Booster Pump Service Kit	AP22-500	R/O Membrane Silica & Silicates Cleaning Kit
UV8	Replacement UV Lamp 8GPM	AP33-500	Disinfectant Kit
UV12	Replacement UV Lamp 12GPM	AP88-500	System Preservative Kit

System Specifications:

% Recovery	50%-75%
% Salt Rejection	99.9%
Design Temperature	25°C
Maximum Temperature	45°C
Membrane Type	TFC (Filmtec)
Pressure Vessels	Stainless Steel

Design Basis:

Feed Flow Minimum	9.3 GPM (35.0 LPM)
Product Flow Maximum	6.9 GPM (26.0 LPM)
Incoming Feed TDS	10,000 PPM
Incoming Feed Incoming Water Pressure	Through Optional Submersible Pumps
Incoming Feed Water Chlorine	1 PPM
Incoming Feed Water Turbidity	< 1 NTU
Incoming Feed Water SDI	< 3 Maximum
Capacity (Design) Basis	24 Hrs/Day Operation



The Ampac Commercial Reverse Osmosis LX™ Series is the next generation of Fully Automated Turnkey Reverse Osmosis Systems designed for Continuous 24/7 Heavy Duty applications with internal High Pressure Booster Pump for ease of use. Featuring a simple interface, the Series LX™ can be monitored via Cellular or Satellite Communications. All components within the frame are readily accessible for easy maintenance.



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