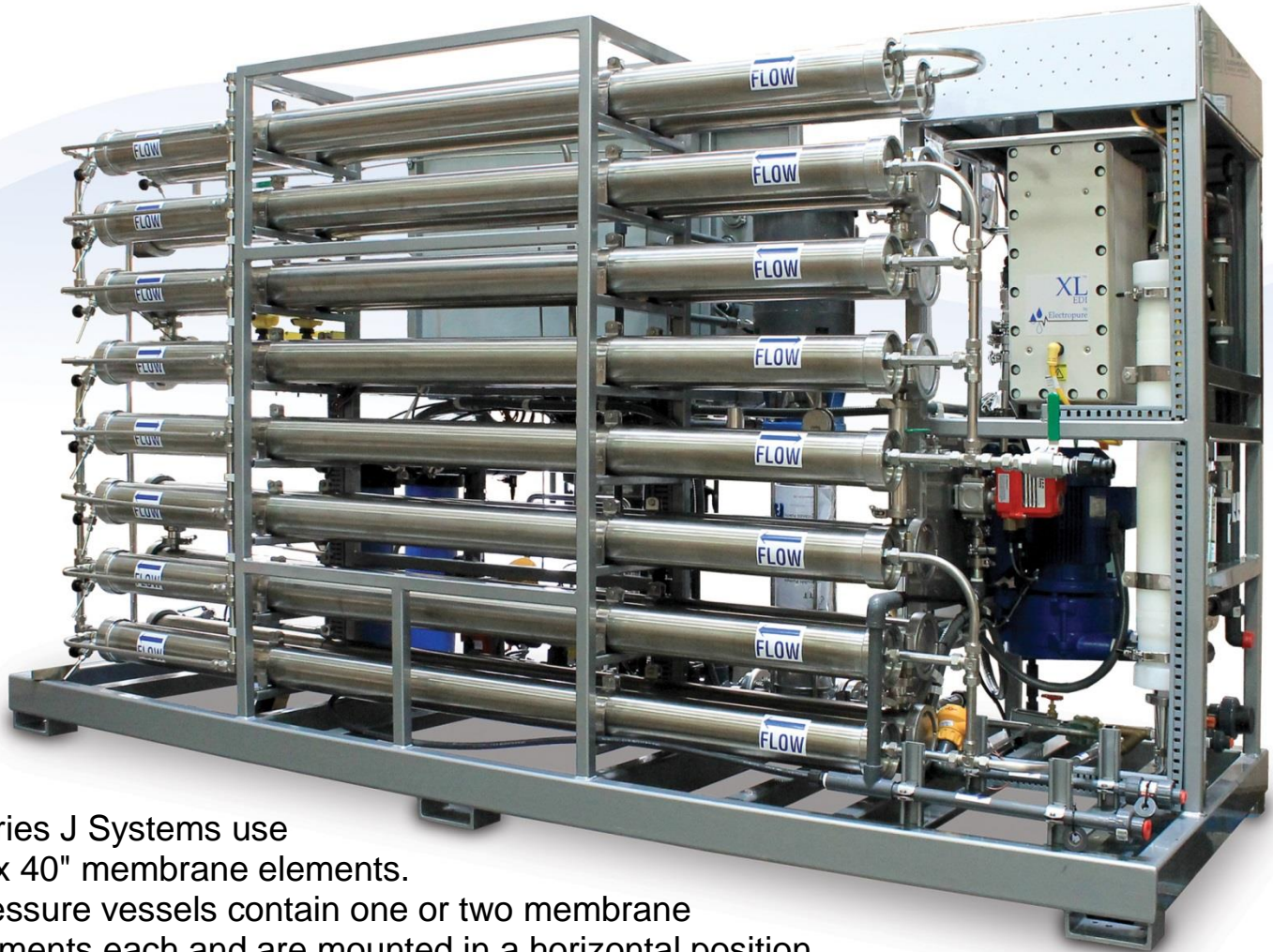


SERIES J • Double Pass

Complete Reverse Osmosis Systems • 5,184 to 25,920 GPD

Designed to produce low dissolved solids water from tap or well water, these systems use highly efficient RO Membranes. The product water is used in applications such as rinse water, pharmaceutical, food processing, bottled water, hotels, beverage, hospitals, and a wide variety of other applications.



Series J Systems use 4" x 40" membrane elements. Pressure vessels contain one or two membrane elements each and are mounted in a horizontal position.

Key Features:

- 30 years of experience is reflected in our quality
- Heavy duty powder coated frame
- SS High pressure components, SS Pump
- Microprocessor Controlled Operation
- Conservatively engineered for reliable long term performance
- Factory tested to ensure trouble-free operation

SERIES J • Double Pass

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Standard Equipment

- Thin Film Composite Membranes
- Stainless steel multi-stage centrifugal pump
- Stainless steel membrane pressure vessels
- Powder coated carbon steel skid
- Sediment filter with 5 micron filters
- 316SS high pressure piping and Sch. 80 PVC low pressure piping
- Motorized automatic inlet feed valve
- Feed pump throttling valve, SS
- Concentrate & recycle panel mounted SS flow control valves
- Automatic membrane feed flush
- Low inlet pressure switch
- High pressure switch
- 4) Panel mounted liquid filled pressure gauges: Filter in/out, pump, concentrate
- 3) Panel mounted flowmeters: Product, reject and recycle
- Product TDS (or Conductivity) with digital display readout
- Cleaning ports
- System on/off with 2-level tank floats

Microprocessor Controller for Automatic Operation

Monitors and/or Controls:

- Inlet valve
- Delayed start-up of high pressure pump
- Feed water flush at system shut-down
- Low pressure switch
- On/Off with tank level
- Permeate Water Quality (TDS)
- Pre-treatment backwash/lockout
- Permeate TDS (or conductivity)
- Feed TDS (or conductivity) and percent rejection
- Water Temperature
- Operating hours
- RO tank full override
- Auxiliary pump or valve control (optional)

UL508A Labeled



I-ROC150S

Controller Features:

- Backlit LED Display
- Multi-function keypad
- Visual and audible alarm & silence key
- Programmable time delays, set-points and flush mode
- Visual indicator alarm light
- Low pressure automatic restart

LED Display:

- Permeate TDS
- Feed TDS with % Rejection
- Water Temperature
- Operating Hours
- Operating Status
- Alarm condition

Optional Equipment

- Stainless steel boost or repressurization pump
- pH monitor for feed or for permeate
- Chemical injection
- Pre-treatment: Softener, carbon, media
- ORP monitor/controller
- Filter housing upgrade to SS
- Turbidity monitor
- Permeate divert to drain
- UV system, feed or permeate
- FRP membrane housings
- Low energy membranes
- Clean-in-place – doubles as a permeate flush system

Model No.	Capacity			No. of Elements	Line Sizes (Inches)			Dimensions (In/cm)			Approx Weight (lb/kg)
	GPM	GPD	m³/hr		Inlet	Perm.	Conc.	Length	Width	Height	
J-4-24A	3.6	5,184	0.8	6	1.0	1.0	.75	80/203	35/89	74/188	875
J-5-34A	4.5	6,480	1.0	8	1.0	1.0	.75	80/203	35/89	74/188	900
J-6-44A	5.4	7,776	1.2	10	1.0	1.0	.75	80/203	35/89	74/188	925
J-7-44A	6.3	9,072	1.4	11	1.0	1.0	.75	80/203	35/89	74/188	950
J-8-64B	7.2	10,368	1.6	14	1.0	1.0	.75	100/254	35/89	74/188	1,000
J-10-64B	9	12,960	2.0	16	1.0	1.0	.75	100/254	35/89	74/188	1,250
J-12-84B	10.8	15,552	2.5	20	1.5	1.0	1.0	100/254	35/89	74/188	1,300
J-14-84B	12.6	18,144	2.9	22	1.5	1.0	1.0	100/254	35/89	74/188	1,400
J-16-104B	14.4	20,736	3.3	26	1.5	1.0	1.0	100/254	35/89	74/188	1,450
J-18-104B	16.2	23,328	3.7	28	1.5	1.0	1.0	100/254	45/114	74/188	1,525
J-20-124B	18	25,920	4.1	32	1.5	1.0	1.0	100/254	45/114	74/188	1,600

Notes and Voltage/ Ordering Information

NOTES: All dimensions and weights are approximate. Capacity Basis: 24 hrs/day. Systems rated at: 77°F (25°C) using 2000 ppm sodium chloride solution operating at approx. 225-250 psi pressure. Minimum feed pressure to RO System: 40-60 PSI. System capacity changes significantly with water temperature. For higher TDS a water analysis must be supplied and could result in modifications to the system. Chlorine must be removed with a carbon filter or with chemical injection prior to the RO system, if present in feed water. Pretreatment for water hardness using a softener or antiscalant injection should be added to avoid scaling the membranes. Feed water turbidity: Less than 1 NTU ; Feed water silt density index (SDI): 3 maximum. If exceeded, pretreatment with media filter recommended. All pretreatment equipment and SDI test kits are available from Applied Membranes.

Please add our voltage codes to the end of the model number when ordering: Example: J-84B-236 = 220/230v/3 ph/60 Hz

- Voltage Codes:
- **236** = 220 or 230v/ 3ph/ 60hz
 - **235** = 220v/3ph/50hz
 - **436** = 460 or 480v/ 3ph/ 60 Hz
 - **335** = 380v/3ph/50 Hz

Single Phase Not Available