

Racor J Series Watermakers

7,000 – 26,000 Gallons Per Day



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"×40" membrane elements. Pressure vessels contain one or two membrane elements each and are mounted in a horizontal position.

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Key Features:

- Over 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



ENGINEERING YOUR SUCCESS.

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Microprocessor
Controller
for Automatic
Operation



Standard Features:

- 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 flow control valves, SS
- 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

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
- Inlet valve
- Delayed start-up of high pressure pump
- Feed water flush at system shut-down
- Low pressure and high pressure switches
- Pre-treatment backwash/lockout
- Permeate TDS (or conductivity)

Monitors and/or Controls:

Model #	Capacity			Number of Elements *	Line Sizes (In/Cm)			Dimensions (In/Cm)			Approx. Weight (lb/kg)
	GPM	GPD	m ³ /hr		Inlet	Perm.	Conc.	Length	Width	Height	
J-44A	5	7,000	1.1	4	1	¾	¾	80/203	35/89	74/188	1,070/485
J-54A	6	8,500	1.3	5	1	¾	¾	80/203	35/89	74/188	1,130/513
J-64A	7	10,000	1.6	6	1	¾	¾	80/203	35/89	74/188	1,190/540
J-74A	8	11,500	1.8	7	1	¾	¾	80/203	35/89	74/188	1,275/578
J-84B	9	13,000	2.0	8	1½	1	¾	100/254	35/89	74/188	1,410/640
J-104B	10	14,400	2.3	10	1½	1	¾	100/254	35/89	74/188	1,530/694
J-124B	12	17,300	2.7	12	1½	1	¾	100/254	35/89	74/188	1,610/776
J-144B	14	20,000	3.2	14	1½	1	¾	100/254	35/89	74/188	1,830/830
J-164B	16	23,000	3.6	16	1½	1	¾	100/254	35/89	74/188	1,950/885
J-184B	18	26,000	4.1	18	1½	1	¾	100/254	45/114	74/188	2,070/939

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 if present in feed water prior to RO with a carbon filter or with chemical injection. 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 • 436 = 460 or 480v/ 3ph/ 60 Hz • 235 = 220v/3ph/50hz • 335 = 380v/3ph/50 Hz

Single Phase Not Available

⚠ WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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