



## Series K

### 28,000-324,000 Gallons/ Day (4.5 to 50 m<sup>3</sup>/hr)

#### STANDARD EQUIPMENT

- Thin Film Composite Membranes
- FRP Pressure Vessels
- Motor Actuated Feed Valve
- Stainless Steel Centrifugal Pump
- Big Blue Filter for K-48B & K-68C, SS Housing for Others
- Low Pressure Shut-Off Switch
- Auto Feed Shut-Off
- Stainless Steel Flow Control
- Feed Pressure Gauges (2)
- System Pressure Gauges (2)
- Powder Coated Frame
- Cleaning Ports (2)
- Permeate Flowmeter
- Concentrate Flowmeter
- Permeate TDS Display
- ROC 150D Microprocessor/Controller  
Automatically Controls:
  - Motorized Actuated Feed Valve
  - Delayed High Pressure Pump Start-Up
  - Automatic Shut-Down at Tank Full
  - Low or High Pressure Fault Shut-Down
  - Pre-Treatment Lock-Out
- Two Panel Switches For:
  - Auxiliary Output enable/disable
  - System Power
- Five Indicator Lights:
  - On/Off
  - Backwash
  - Tank Full
  - LP Fault
  - HP Fault
- Hour Meter

#### OPTIONAL EQUIPMENT

- Stainless Steel Filter Housing
  - Concentrate Recycle Flowmeter
  - Permeate Flush System
  - pH Monitor
  - Temperature Gauge
  - Float Tree for Storage Tank\*
  - Feed Water Flush at Shut-Down\*
  - Feed TDS Monitor
  - Chemical Dosing System
  - Feed Booster Pump
  - Permeate Repressurization Pump
  - PLC
  - Differential Pressure Gauge
  - ORP Monitor/Controller
  - Integrated Cleaning
  - Turbidity Meter
  - Pre-Treatment Equipment:\*  
Carbon filter, softener, media filter
  - Crating\*
- \*Recommended Minimum Options*

Model	Capacity			No. of Elmnts*	Line Sizes (In/cm)			Dimensions (In/cm)			Approx. Weight (lb/kg)
	GPM	GPD	m <sup>3</sup> /hr		Inlet	Perm.	Conc.	Length	Width	Height	
<b>K-48B</b>	20	28,800	4.5	4	2/5	1.5/4	1.5/4	100/254	44/112	72/183	1310/594
<b>K-68C</b>	30	43,200	5	6	2/5	1.5/4	1.5/4	134/340	44/112	72/183	1425/646
<b>K-98C</b>	45	64,800	8	9	2/5	1.5/4	1.5/4	134/340	44/112	72/183	1735/787
<b>K-128D</b>	60	86,400	11	12	3/8	2/5	1.5/4	174/442	44/112	72/183	2005/909
<b>K-168D</b>	80	115,200	15	16	3/8	2/5	2/5	174/442	44/112	72/183	2275/1032
<b>K-208D</b>	100	144,000	18	20	3/8	3/7.5	2/5	174/442	44/112	72/183	2645/1200
<b>K-248D</b>	120	172,800	22	24	4/10	3/7.5	2/5	174/442	44/112	72/183	2910/1320
<b>K-288D</b>	140	201,600	25	28	4/10	3/7.5	2/5	174/442	60/152	72/183	3280/1488
<b>K-368F</b>	175	252,000	38	36	4/10	3/7.5	2/5	254/645	60/152	72/183	3795/1721
<b>K-428F</b>	200	288,000	44	42	4/10	3/7.5	2/5	254/645	60/152	72/183	5275/2392
<b>K-488F</b>	225	324,000	50	48	4/10	3/7.5	2/5	254/645	60/152	72/183	5660/2567

\*Elements are 40" (102 cm) in length and 8" (20 cm) in Diameter

#### NOTES

- All dimensions and weights are approximate.
- Systems rated at 77°F (25°C) using 1000 ppm to 3000 ppm feed water and approx. 225 psi (16 kg/cm<sup>2</sup>) pressure. System capacity changes significantly with water temperature and feed TDS. For higher TDS, a water analysis must be supplied and could result in modifications to the system.
- Chlorine must be removed prior to RO System if present in the Feed Water.
- Water must be pretreated by softener or antiscalant to avoid scaling the membranes.

#### ORDERING INFORMATION

Please add voltage code to the end of the model number when ordering. **Example:** K-98C-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

**No Single Phase Available**