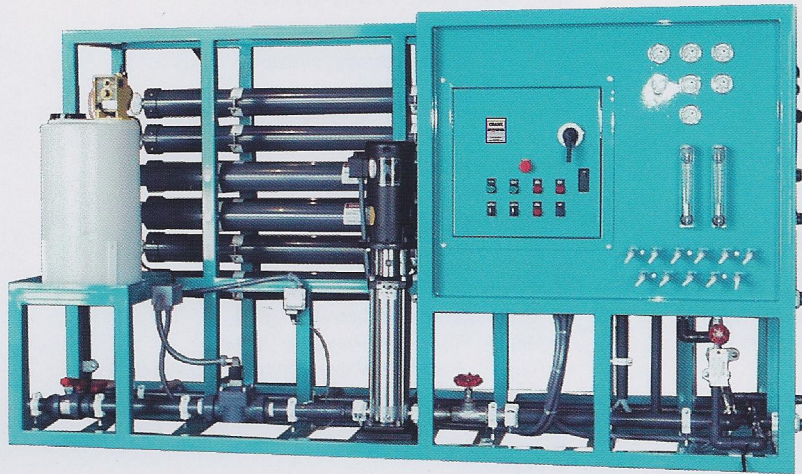


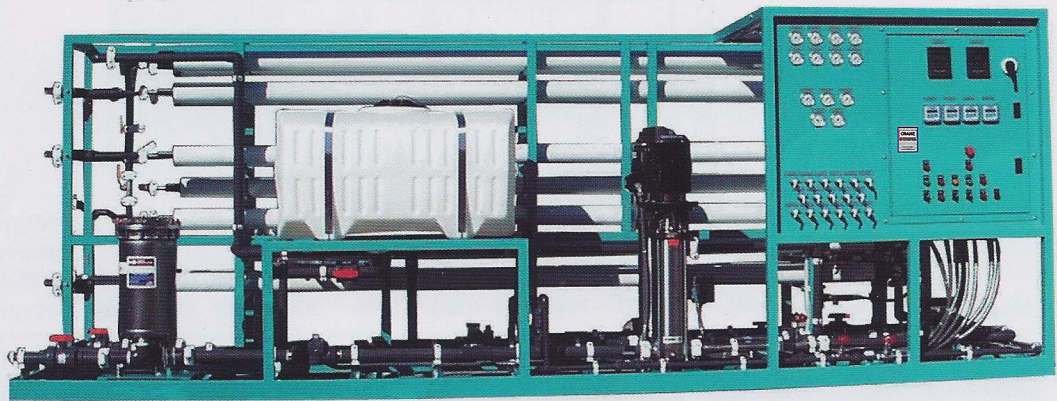
# **DELTA Series Systems**

## **Industrial Reverse Osmosis Systems**

**8 to 20 Gallons Per Minute**



**MODEL DELTA-15**  
21,600 GPD of High Purity Water



**MODEL DELTA-20**  
28,800 GPD of High Purity Water

*Manufactured by:*



**CRANE ENVIRONMENTAL**  
PURE *Water* MADE SIMPLE™



THE ORIGINAL NAMES IN WATER TREATMENT

## **DELTA Series Industrial Reverse Osmosis Systems 8 to 20 GPM**

### **STANDARD FEATURES:**

- 2-Coat Epoxy Painted Carbon Steel Frame
- Grundfos CR-Series 304 SS Pump w/TEFC Motor
- Membranes: 4"x 40", TFC Brackish Water
- PVC Pressure Vessels
- Low Pressure Switch
- High Pressure Switch
- Voltage: 460V/60HZ/3-Phase
- Pre-filter Housing: 304SS w/ 5 micron cartridges
- Pressure Gauges: 2.5" Dia., 316SS, Pre & Post-filter, Pump Discharge, Interstage, concentrate, & permeate
- Automatic Inlet Feed water Valve
- 316SS High Pressure Valves (Concentrate, Pump Throttle)
- Flow Meters: Concentrate & Permeate (Rotameters for Delta 7 to 15, Digital for D-20)
- Sch80 PVC Piping

### **OPTIONAL FEATURES:**

- Anti-Scalant dosing system
- De-Chlorination dosing system
- Acid Dosing System
- pH Elevation dosing system
- Chlorination dosing system
- pH monitor/controller
- ORP monitor/Controller
- Conductivity Monitor
- 60 Hz motor with 316SS Pump
- 50 Hz motor with 304SS Pump
- 50 Hz motor with 316SS Pump
- "Cold Water" Membranes - ESPA
- 400 psi Fiberglass Pressure Vessels
- Recycle Package (Valve, Piping & Flow Meter)
- Automatic Fast Flush
- Integrated Cleaning Station - CIP™
- Turbidity Monitor/Controller
- PLC
- Nanofiltration Membranes are available

**MODEL  
DELTA-20**



### **SYSTEM SPECIFICATIONS:**

Model	Production*			Maximum 3rd Year Operating Pressure (psi)	Inlet Size	No. of Elements	4"x40" Element Diameter	Designed Recovery (without recycle)	MOTOR HP (3 phase):	
	GPM	GPD	M <sup>3</sup> /D						60Hz 230/460V	50Hz 380/415V
DELTA-8HF	8	11,520	43.6	200	1.25"	8	4"	55%	5	5.5
DELTA-10HF	10	14,400	54.5	200	1.25"	10	4"	55%	5	5.5
DELTA-15HF	15	21,600	81.76	200	2.00"	16	4"	60%	5	5.5
DELTA-20HF	20	28,800	109	200	2.00"	21	4"	60%	10	7.5

\*Based on feed water with TDS of 1500 ppm and temperature of 25°C (77°F)

### **WEIGHTS & DIMENSIONS: (Optional Features may increase dimensions)**

Model	Approximate Shipping Dimensions				Approximate Unit Dimensions				
	Length (in/cm)	Width (in/cm)	Height (in/cm)	Weight (lbs/kg)	Length (in/cm)	Width (in/cm)	Height (in/cm)	Weight (lbs/kg)	
DELTA-8HF	123/310	40/100	72/180	1350/610	109/277	32/80	60/150	1050/480	
DELTA-10HF	123/310	40/100	72/180	1600/730	109/277	32/80	60/150	1300/590	
DELTA-15HF	123/310	50/130	72/180	1900/860	109/277	42/110	60/150	1600/730	
DELTA-20HF	172/440	54/140	72/180	2160/980	156/400	45/115	60/150	1820/830	