



## BetaQua Seawater Reverse Osmosis Machines

### SW8-8 to SW8-180

5.5 m<sup>3</sup>/hour to 123 m<sup>3</sup>/hour (per unit)

*Reliable Membrane Based systems from BetaQua*

### Applications

- Boiler feedwater
- Drinking water
- Polishing pretreatment (such as EDI/Mixed Bed)
- Industrial applications requiring low dissolved solids applications

### Configuration

- Single Pass
- Double Pass

### Instrumentation

- Pre Cartridge Filtration, Post Cartridge Filtration, Post High Pressure Pump, Concentrate Pressure gauge
- GLI Conductivity
- Post High Pressure Pump (High) Alarms
- Monitor Autoflush Solenoid Valve
- Aquamatic Pneumatic Valve

### Standard Features

- 5 micron cartridge filter
- High quality Reverse Osmosis Membranes
- Duplex stainless steel high pressure piping
- Automatic Inlet valve
- Automatic Flush system
- PLC Controller

### Premium Features

- Chemical dosing system and pretreatment interlock
- High pressure alarms
- pH controller system
- Permeate Purge
- Clean In Place (CIP) system plumbed into skid

Our BetaQua Reverse Osmosis Systems are used in mission critical applications such as pharmaceutical water treatment as well as in community installations such as public airports and apartments. Excellent in removing dissolved solids, Reverse Osmosis systems are also used to reduce blowdown cycles in boilers and other closed loop systems.

### Options

- Stainless Steel Frame
- Stainless Steel Piping for Permeate and Concentrate
- Stainless Steel Pre filtration cartridge and element housing
- Remote Monitoring using inbuilt modem
- 4-20mA outputs for external monitoring system
- Web-based monitoring system

### Operating Parameters

- Recovery: 30%-40%
- Temperature: 5-35 deg C
- Minimum inlet pressure: 2 bar
- Rejection Rate: 95%-98%

### Materials of Construction

- Membrane Housing: FRP (Fiber Reinforced Plastics)
- Frame: Epoxy coated carbon steel
- Permeate and Feed Piping: PVC Sch 80
- High Pressure Piping: Duplex stainless steel

MODEL NUMBER	PERMEATE FLOWRATE (m3/hr)	FEED FLOWRATE (m3/hr)	CONCENTRATE FLOWRATE (m3/hr)	POWER REQUIREMENT (kW Draw)	MEMBRANE QUANTITY	MOTOR POWER SUPPLY	CONTROL POWER SUPPLY
RO-SW8-8	5.47	15.63	10.16	23	8	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-10	6.84	19.54	12.70	29	10	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-12	8.21	23.45	15.24	34	12	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-15	10.26	29.31	19.05	43	15	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-20	13.68	39.09	25.41	58	20	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-25	17.10	48.86	31.76	72	25	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-30	20.52	58.63	38.11	87	30	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-36	24.62	70.35	45.73	104	36	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-42	28.73	82.08	53.35	122	42	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-48	32.83	93.81	60.97	139	48	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-54	36.94	105.53	68.60	156	54	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-60	41.04	117.26	76.22	174	60	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-66	45.14	128.98	83.84	191	66	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-72	49.25	140.71	91.46	209	72	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-80	54.72	156.34	101.62	232	80	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-90	61.56	175.89	114.33	261	90	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-120	82.08	234.51	152.43	348	120	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-150	102.60	293.14	190.54	436	150	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW8-180	123.12	351.77	228.65	523	180	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz

For Further Information Please Call Beta Pramesti:

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