



BetaQua Seawater Reverse Osmosis Machines

SW4-1 to SW4-24

120 litres/hour to 2,860 litres/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
- Burkert or Equal Autoflush Solenoid Valve
- Aquamatic Pneumatic Valve

Standard Features

- 5 micron cartridge filter
- High quality Reverse Osmosis Membranes
- Steel reinforced rubber tubing
- 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: 20%-35%
- Temperature: 5-35 deg C
- Minimum inlet pressure: 2 bar
- Rejection Rate: 95%-98%

Materials of Construction

- Membrane Housing: FRP
- Frame: Epoxy coated carbon steel
- Permeate and Feed Piping: PVC Sch 80
- High Pressure Piping: Steel reinforced rubber tubing

MODEL NUMBER	PERMEATE FLOWRATE (m3/hr)	FEED FLOWRATE (m3/hr)	CONCENTRATE FLOWRATE (m3/hr)	POWER REQUIREMENT (HP)	MEMBRANE QUANTITY	MOTOR POWER SUPPLY	CONTROL POWER SUPPLY
RO-SW4-1	0.12	0.34	0.22	1.5	1	220 V 1Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-2	0.24	0.68	0.44	3	2	220 V 1Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-3	0.36	1.02	0.66	5	3	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-4	0.48	1.36	0.88	7.5	4	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-5	0.60	1.70	1.11	7.5	5	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-6	0.71	2.04	1.33	10	6	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-9	1.07	3.06	1.99	15	9	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-12	1.43	4.08	2.65	20	12	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-15	1.79	5.10	3.32	30	15	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-21	2.50	7.14	4.64	30	21	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-SW4-24	2.86	8.16	5.30	40	24	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz

For Further Information Please Call Beta Pramesti:

LOCAL LEADER IN ELECTRODEIONIZATION TECHNOLOGY



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