



BetaQua Brackish Reverse Osmosis Machines

BW8-8 to BW8-180

LP8-8 to LP8-180

6.4 m³/hour to 229.7 m³/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
- Autoflush Solenoid Valve
- Aquamatic Pneumatic Valve

Standard Features

- 5 micron cartridge filter
- Low Pressure Reverse Osmosis Membranes (LP Series only)
- Stainless Steel high pressure piping
- Automatic Inlet valve
- Automatic Flush system
- PLC Controller
- Stainless Steel Pre-Filtration Cartridge Housing

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
- Remote Monitoring using inbuilt modem
- 4-20mA outputs for external monitoring system
- Web-based monitoring system

Operating Parameters

- Recovery: 50%-80%
- Temperature: 5-35 deg C
- Minimum inlet pressure: 2 bar
- Rejection Rate: 95%-98%

Materials of Construction

- Membrane Housing: FRP (Fibre Reinforced Plastics)
- Frame: Epoxy coated carbon steel
- Permeate and Feed Piping: PVC Sch 80
- High Pressure Piping: Stainless Steel 304

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-LP8-8	10.21	15.47	5.26	15	8	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-10	12.76	19.33	6.57	15	10	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-12	15.31	23.20	7.89	20	12	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-15	19.14	29.00	9.86	25	15	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-20	25.52	38.67	13.15	30	20	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-25	31.90	48.33	16.43	40	25	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-30	38.28	58.00	19.72	50	30	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-36	45.94	69.60	23.66	50	36	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-42	53.59	81.20	27.61	60	42	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-48	61.25	92.80	31.55	75	48	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-54	68.90	104.40	35.50	75	54	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-60	76.56	116.00	39.44	100	60	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-66	84.22	127.60	43.38	100	66	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-72	91.87	139.20	47.33	125	72	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-80	102.08	154.67	52.59	125	80	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-90	114.84	174.00	59.16	150	90	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-120	153.12	232.00	78.88	180	120	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-150	191.40	290.00	98.60	220	150	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-LP8-180	229.68	348.00	118.32	270	180	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-8	8.48	12.85	4.37	15	8	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-10	10.60	16.06	5.46	20	10	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-12	12.72	19.27	6.55	20	12	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-15	15.90	24.09	8.19	25	15	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-20	21.20	32.12	10.92	40	20	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-25	26.50	40.15	13.65	50	25	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-30	31.80	48.18	16.38	50	30	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-36	38.16	57.82	19.66	60	36	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-42	44.52	67.45	22.93	60	42	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-48	50.88	77.09	26.21	75	48	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-54	57.24	86.73	29.49	75	54	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-60	63.60	96.36	32.76	100	60	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-66	69.96	106.00	36.04	100	66	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-72	76.32	115.64	39.32	100	72	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-80	84.80	128.48	43.68	125	80	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-90	95.40	144.55	49.15	150	90	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-120	127.20	192.73	65.53	180	120	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-150	159.00	240.91	81.91	220	150	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz
RO-BW8-180	190.80	289.09	98.29	270	180	380 V 3Ø, 50 Hz	24 V, 1Ø, 50 Hz

For Further Information Please Call Beta Pramesti:

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