



MODEL: AQBWRO-100

Features

- ▶ Permeate Flow Meter (10 To 100 LPM)
- ▶ Concentrate Flow Meter (10 to 100 LPM)
- ▶ Recycle Flow Meter (10 to 100 LPM)
- ▶ Feed Pressure Gauge (0 to 1.5 MPa)
- ▶ RO Pressure Gauge (0 to 3.5 MPa)
- ▶ 2nd Stage Pressure Gauge (0 to 3.5 MPa)
- ▶ 3rd Stage Pressure Gauge (0 to 3.5 MPa)
- ▶ Concentrate Pressure Gauge (0 to 3.5 MPa)
- ▶ Recovery Pressure Gauge (0 to 3.5 MPa)
- ▶ 30" 5-Rd Cluster 5 & 1 Micron Sediment Pre-filters
- ▶ Low Feed Inlet Pressure Switch
- ▶ Inlet Solenoid Valve 220v 50Hz
- ▶ Flush Solenoid Valve 220v 50Hz
- ▶ ROC 2315 Microprocessor Controller with Temperature & Conductivity Monitor (0-2000µs/cm) & Adjustable Flush Time Sequencing Light
- ▶ ROC 2315 Microprocessor Controller with Temperature & Conductivity Monitor (0-2000µs/cm) & Adjustable Flush Time Sequencing
- ▶ RO Light (on ROC 2315 control)
- ▶ RO Pump Indicator Light (on ROC 2315 control)
- ▶ Low Feed Pressure Indicator Light (on ROC 2315)
- ▶ Tank Full Indicator Light (on ROC 2315 control)
- ▶ Auto Flush Indicator Light (on ROC 2315 control)
- ▶ High Pressure Pump Discharge Valve
- ▶ Recycle S/S Needle Valve
- ▶ Concentrate S/S Needle Valve
- ▶ Check Valve in Recycle Line
- ▶ Emergency Stop Switch w/- Indicator Light
- ▶ Power On/Off & Reset Switch w/- Indicator Light
- ▶ RO Pump On/Off Switch w/- Indicator Light
- ▶ Manual Flush On/Off Switch w/- Indicator Light
- ▶ Pump Delay timer 0-180 sec.

Specifications

RO System	▶ Brackish Water
Model	▶ AQBWRO-100
Performance	▶ at 25°C, 3000ppm TDS
<i>Permeate Rate</i>	▶ 4165 LPH Nominal at a recommended operating flux of 19 l/mh
<i>Recovery Rate</i>	▶ 5000 LPH Maximum at a maximum operating flux of 23 l/mh
Operating Pressure	▶ 50 to 75% Depending on Raw Water Feed Quality & Water Temperature
Inlet Water Pressure	▶ 1320kpa – 1550kpa (190-220psi)
Typical Ion Rejection	▶ 280kpa minimum – 500kpa maximum
Membrane Housing	▶ 95% to 98%
Membrane	▶ 3 x 8"x40" 300psi Fibreglass Housing, Side Entry, 2-Element Long
Membrane Model	▶ 6 x 8"x40" Brackish
Array	▶ Hydranautics – CPA5 LD 8040
Pump	▶ 1-1-1 (2 Element per Housing)
Motor	▶ Multi-Stage Centrifugal 304 Stainless Steel Flanged Pump Model CDLF8-16 (Optional 316SS Pump available)
High Pressure Piping	▶ 5.5KW, 415VAC/50Hz Three Phase
Electrical Panel	▶ Sch 80 PVC Imperial Pipe Work
Frame	▶ Australian Approved Electrical Box
Pre-treatment Filter	▶ Quality Stainless Steel
Connections	▶ 2 x PVC 5-Round 30" Cluster Housings
Dimension	▶ 1½" F.I. Inlet, 1" F.I. Permeate, 1" F.I. Concentrate
Approximate Weight	▶ 197cm H x 290cm W x 110cm D
	▶ 480kg

Note:- Performance will vary depending on raw water quality and temperature.

The importer reserves the right to change specification / performance without notice and without incurring any obligation related to such changes.

REVERSE OSMOSIS MACHINE