



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.

REVERSE OSMOSIS MACHINE

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.