

# Ultra-Flo® BWRO SYSTEM

Reverse Osmosis (RO) Membrane System



## System includes:

- RO membrane (8040) cartridge
- Electrical control panel with PLC and D.O.L. / Frequency-Controller
- Feed and Hi-Pressure Pumps
- 5µm Guard-Filters
- Manual & Electrical Solenoid Control Valve
- Pressure Gauges, Flow Meters
- Permeate Conductivity Meter
- System on Racking, PVC & Stainless Steel Piping
- C.I.P setup with Tank

**Note:** Ultra-Flo Pte Ltd reserves the right to make any changes to the information provided above without prior notice.

## BWRO System & Operating Limit :

Recovery	75~90 %*
Operating Temperature	< 50° C
Operating Pressure	< 20 Bar
Electrical Power	400V/ 50Hz; 3 phase
Max. SDI (15min.)	< 5.0
pH range	3 – 10
Feed Max. Turbidity	< 1.0 NTU *
Chlorine Concentration	< 0.1pm

\* Subject to feed water condition

## Membrane Specifications :

Type	TFC (Thin Film Composite)
Material	PA (Polyamide)
Charge	Negative
Configuration	Spiral-Wound, FRP Wrapping
Membrane Size	Diameter 8" x Length 40"
Effective Area	400 sq ft/membrane
Flow Rate	0.9 m <sup>3</sup> /hr/membrane

**Note:** Selection of membrane will depend on the application flow rate depends on the type of feed water



International Water Association

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