

Ultra-Flo[®] SWRO SYSTEM

Reverse Osmosis (RO) Membrane System



System includes:

- Seawater RO membrane (8040) cartridge
- Electrical control panel with PLC and D.O.L. / Frequency-Controller
- Feed and Hi-Pressure Pumps
- Energy Recovery Unit
- 1µm 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.

SWRO System & Operating Limit :

Recovery	35 ~ 45 %*
Operating Temperature	< 50° C
Operating Pressure	< 70 Bar
Electrical Power	400V/ 50Hz; 3 phase
Max. SDI (15min.)	< 5.0
pH range	3 – 10
Feed Max. Turbidity	< 1.0 NTU *
Chlorine Concentration	< 0.1ppm

* 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	365 sq ft/membrane
Flow Rate	0.5 m ³ /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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