

Ultra-Flo[®] SWRO-10

Sea Water Reverse Osmosis (RO) Membrane System



System includes:

- 4 x RO membrane cartridges
- Electrical control panel with PLC and D.O.L.
- Feed and Hi-Pressure Pumps
- 2 x UF membrane pre-treatment and 2 x Guard Filters (10µm)
- Control Valve
- Pressure Gauges, Flow Meters
- Permeate Conductivity Meter
- System on Racking, PVC & Stainless Steel Piping
- C.I.P setup with Tank

SWRO System & Operating Limit :

Recovery	35 ~ 45 %
Operating Temp	< 50° C
Operating Pressure	< 70 Bar
Electrical Power	3 x 415V/ 50Hz
Max. SDI (15min.)	< 5.0
pH range	3 – 10
Feed Max. Turbidity	< 1.0 NTU
Chlorine Concentration	< 0.1pm
Dimensions	1.77m (H) x 1.15m (L) x 0.65m (W)
Weight	250kg

Note: Any of the above mentioned component is subjected to change without prior notice.

Membrane Specifications :

Type	TFC (Thin Film Composite)
Material	PA (Polyamide)
Charge	Negative
Configuration	Spiral-Wound, FRP Wrapping
Membrane Size	Diameter 4" x Length 40"
Effective Area	74 sq ft/membrane
Flow Rate	0.1 m ³ /hr/membrane*
Flow Capacity	10 m ³ /day*

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

* Subject to Feed water condition



International
Water Association

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