

# PR10-SWRO

PR Water Treatment Sea Water Reverse Osmosis Membrane

**PR**POWER

## KEY FEATURES AND BENEFITS

- SWRO PR Water-Flo membrane cartridge (4 cartridges)
- Electrical control panel with PLC and DOL Pumps
- Feed and high pressure pumps
- 2x PR Water-Flo membrane pre-treatment and 2x guard filters
- Control valve
- Pressure gauges, flow meters
- Permeate conductivity meter
- System on racking, PVC and stainless steel piping
- C.I.P. setup with tank

## TECHNICAL DATA

### SPECIFICATIONS

Configuration	Spiral-wound, FRP wrapping
Type	TFC (Thin Film Composite)
Material	PA (Polyamide)
Membrane Size	Diameter 4"x Length 40"
Effective Area	74 sq ft/membrane
Recovery	35-45%
Operating Temperature	<50° C
Operating Pressure	<70 Bar
Flow Rate	Single Membrane 0.1 m <sup>3</sup> /h
Flow Capacity	2.4m <sup>3</sup> /day
Feed Max. Turbidity	< 1.0 NTU *
pH Range	3-10
Chlorine Concentration	<0.1pm
Electrical Power	415v, 50Hz, Three Phase
Dimensions	1.77m(H)x 1.15m(L)x 0.65m(W)
Weight	250kg



- ✓ Fully automated
- ✓ Easy operation and maintenance
- ✓ Use as a stand alone system or in conjunction with the PR Water Clarification units
- ✓ NO chemicals required for solids separation

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Power and Reliability