

Sea Water Reverse Osmosis System

SWRO Series



SWRO10



SWRO50

Standard features

- ✓ Seawater RO membrane 8040/4040 cartridges
 - ✓ Ultrafiltration (U850) PAN membranes skid mounted
 - ✓ Multi-cartridge or Bag prefilter
 - ✓ 20" Big Blue RO guard filter
 - ✓ Electrical control panel with PLC and DOL/ Frequency Controller*
 - ✓ Feed and High Pressure Pumps
 - ✓ Manual and Electrical Solenoid Control Valves
 - ✓ Pressure Gauges and Flow Meters
 - ✓ Permeate TDS Meter
 - ✓ Steel frame, PVC & Stainless Steel Piping
 - ✓ C.I.P setup with Tank*
- *Varies from model to model



SWRO Membrane Specification

Type	TFC (Thin Film Composite)
Material	PA (Polyamide)
Charge	Negative
Configuration	Spiral- Wound, FRP Wrapping
Membrane Size	Diameter 8" x Length 40" / Diameter 4" x Length 40"
Effective Area	380 sq ft per 8040 RO membrane / 80 sq ft per 4040 RO membrane

System & Operating Limit

Recovery	30 ~ 40 % *
Operating Temperature	< 50°C
Operating Pressure	< 70 Bar
Electrical Power	440V/ 50 Hz/ 3 phase
Feed Max. Turbidity	<5.0 NTU*

* Subject to feed water condition

Models	SWRO10	SWRO50	SWRO100	SWRO200
Product Flow Rate (m ³ /day)	10	50	100	200
SWRO Cartridge	4040 x 3	8040 x 3	8040 x 6	8040 x 10
UF cartridge	2	8	10	10
Multi-cartridge or Bag Prefilter	1	2	2	2
Guard filter	2	4	4	4

UltraPure Private Limited also provides customization of SWRO systems based on customer's design requirement.



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