

SWB

SERIES SEA WATER REVERSE OSMOSIS SYSTEMS



Standard Features

- 304 SS chassis
- Conductivity meter on the production line
- Production flow meter
- Low pressure and high pressure manometer
- Pressure switches
- High pressure lines 316 L and flexible hose
- PVC low pressure lines
- Automation panel
- 1000 PSI (70 bar) resistant FRP membrane sheath
- 316 L high pressure pump

Design Criterias

- TDS < 35000 ppm
- 18 C nominal operating temperature
- Min. 3 bar entrance pressure need
- Max. 67 bar operating pressure
- Flux 16 L/m²/h
- SDI < 3
- Iron < 0,01mg/lt
- Manganese/Aluminum < 0,025mg/lt
- Barium, Strontium very less
- Boron: none
- Silica < 20 ppm
- Free Chloride, oxidant material : none
- Hydrocarbons, oil and grease : none
- Hydrogen Sulfide : none
- BOI, KOI : none
- Bacteriological contamination : none

Advantages

- Easy to operate without any need for full time operator
- Low business cost
- Automatic rinse and start
- LCD screen
- All automatic alarms
- Systems status indicators on the automation panel

Optional Features

- Acid dosage unit
- Antiscalant dosage unit
- pH and ORP control units
- Dublex stainless steel high pressure pump

Technical Features

PRODUCT CODE	MODEL	FEED Lt/h	PERMEATE Lt/h	PERMEATE m ³ /day	RECOVERY %	MOTOR Kw	PRESSURE Bar	MEMBRANE Type	MEMBRANE Pcs	DIMENSIONS cm		
										Length	Width	Height
MM.M25.1	M25/1	416	42	1	10	1.1	55	2540	1	155	50	60
MM.M25.2	M25/2	554	84	2	15	1.5	55	2540	2	155	60	70
MM.M40.2	M40/2	1.041	208	5	20	2.2	58.5	4040	2	155	60	70
MM.M40.3	M40/3	1.250	312	7.5	25	4	60	4040	3	155	70	70
MM.M40.4	M40/4	1.700	417	10	25	5.5	59.5	4040	4	155	80	80
MM.M40.6	M40/6	2.083	625	15	30	5.5	61	4040	6	250	120	120
MM.M40.8	M40/8	2.780	834	20	30	7.5	61.5	4040	8	250	150	150

* Reciprocating type high pressure pump is used.