



Standard Features

- ST37 chassis coated with electrostatic dye
- Conductivitymeter on permeate line
- Flushing (rinsing) valve
- 5 micron filtration
- Permeate and wastewater flowmeter
- Low and high pressure manometer
- Pressure switches
- Low pressure lines PVC
- Automation panel
- Min. 3 bar entrance pressure requirement
- Max 16 bar operating pressure
- 300 psi (20 bar) resistant FRP membrane sheath
- 20 bar resistant membrane

Advantages

- Easy to operate without any need for full time operator
- Low operating cost
- Ability to start and rinse automatically
- Easy to control visually by automation panel
- Fully Automation alarms

Design Criterias

- TDS <2000 ppm
- Recovery ~% 50-60
- 20 C nominal operating temperature
- SDI< 3
- Iron < 0,01 mg/l
- Manganese/ Alluminium < 0,025 mg/l
- Barium, Strontium , rare
- Boron: none
- Silica < 20 mg/l
- Free Chlorine, Oxidant Material: none
- Hydrocarbons, Oil and Grease: none
- Hydrogen Sulphide: none
- BOD, COD: none
- Bacteriologic Contaminants: None

Optional Features

- Acid dosage unit
- Antiscalant dosage unit
- Sodiummetabisulphide dosage unit
- pH and ORP control units
- Chemical washing unit (On seperate skid)
- 316 L Stainless steel piping

Technical Features

CODE	MODEL	FEED Lt/h	PRODUCT Lt/h	PRODUCT Lt/Day	WASTE Lt/h	PUMP Lt/h	MOTOR kw	PRESSURE Bar	MEMBRANE Type	MEMBRANE Qty.
MM.ROS440	RO 440S	880	440	10.560	440	1.340	1.5	12	4040	2
MM.ROS700	RO 700S	1.400	700	16.800	700	1.400	1.5	12	4040	3
MM.ROS900	RO 900S	1.500	900	21.600	600	1.500	2.2	12	4040	4
MM.ROS1350	RO 1350S	2.250	1.350	32.400	900	2.250	2.2	12	4040	6
MM.ROS1800	RO 1800S	3.000	1.800	43.200	1.200	3.000	2.2	12	4040	8

- Centrifugal type pump is used as high pressure pump.