

# ROB

SERIES REVERSE OSMOSIS SYSTEMS



## Standard Features

- ST37 chassis coated with electrostatic dye
- Conductivitymeter on permeate line
- Entrance automatic 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
- 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)
- Flushing (rinsing) valve

## 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.ROB75	RO 75 B	150	75	1.800	75	300	0.55	12	2540	1
MM.ROB220	RO 220 B	440	220	5.280	220	800	0.75	12	4040	1
MM.ROB440	RO 440 B	880	440	10560	440	1000	075	12	4040	2

- Rotative type pump is used as high pressure pump.