

REVERSE OSMOSIS MEMBRANES SYSTEMS

Desalination System: By Reverse Osmosis (R.O.) system

It is used to reject (Removal) 99% of the Total Dissolved Solids (TDS) and other dissolved substances matters (Bacteria, Sugars, Proteins, Dyes,) from feed water.

BRACKISH Water RO systems.

SEA Water RO systems.

AVAILABLE CAPACITY (1 – 100) M³/hr.

OPERATION SPECIFICATIONS

- 1) Feed Water Should be ≤ 5 NTU.
- 2) Chlorine Feed Water Should be ≤ 0.05 ppm.
- 3) Feed Water Pressure (2-6) Bar.
- 4) Feed Water TDS (500 – 37 000) ppm.
- 5) Max. Operating Pressure (15-50) Bar.
- 6) Water Temperature range (2-50) C°.
- 7) pH Tolerance (6 – 7.5).

STANDARD FEATURES

- 1) Stainless Steel Skid Mounting: Package Unit.
- 2) Pre filter 5 μ (as Security Filter).
- 3) Anti-Scaling Dosing Unit.
- 4) Anti-Chlorine Dosing Unit.
- 5) High Pressure SS pump.
- 6) FRP RO Housing Membranes.
- 7) RO Membranes Rejection rate 99%.
- 8) Flow meters (2) product and Brine Rejected.
- 9) Manometers and Sample valves: inlet/outlet included.
- 10) Control panel (Man-off-Auto).
- 11) Fully Automatic system, switch levels control.
- 12) Interconnecting: PVC pipes and Fittings for Low pressure.
- 13) PVC Valves: included.
- 14) Chemical Cleaning in Place (CIP) unit: included
- 15) **Quality Output TDS (1% of feed TDS).**
- 16) Equipment's upgrade for higher TDS
- 17) Operate at higher TDS by lowering recovery rate.

