

INDUSTRIAL REVERSE OSMOSIS SYSTEM

The development of industry and the rise of living level have caused water shortage problem in many countries, with DESALITE[®] Reverse Osmosis technology will production of extremely high quality product and will enlarge the needs of high purity water.

DESALITE[®] Reverse Osmosis Machine consists of five main equipment sub system such as Guard Filter, High Pressure Pump, Pressure Vessel, Semi Permeable Membrane and Control Logic Panel.

With DESALITE[®] Reverse Osmosis Machine Water flows selectively out of Concentrate Salt Solution (Concentrate Water) and Low Salt Solution (Permeate Water).

Every feature and detail of DESALITE[®] Reverse Osmosis Machine has been designed for easy, assured performance and user friendly for simplicity. All Switches, Gauges and Control are readily in view at any location.

The result is the easiest to use, most versatile Reverse Osmosis Machine System ever made.

Capacity

10m³/hour - 50 m³/hour

STANDARD EQUIPMENT

- Thin Film Composite Membranes
- FRP Pressure Vessel
- Motor Actuated Feed Valve
- Stainless Steel Centrifugal Pump
- 5 Micron Filter
- Polypropylene Filter Housing
- Low Pressure Shut-Off Switch
- Auto Feed Shut-Off
- Stainless Steel Flow Control
- Feed Pressure Gauges (2)
- System Pressure Gauges (2)
- Powder Coated Frame
- Cleaning Ports (2)
- Permeate Flowmeter
- Concentrate Flowmeter
- Permeate TDS Display
- ROC 150D Microprocessor/Controller

Automatically Controls:

- Delayed High Pressure Pump Start-Up
- Automatic Shut-Down at Tank Full
- Low or High Pressure Fault Shut-Down
- Pre-Treatment Lock-Out
- Feed Water Flush at Shut-Down
- Two Panel Switches For:
- Auxiliary Output enable/disable
- System Power
- Five Indicator Lights:
- On/Off
- Backwash

