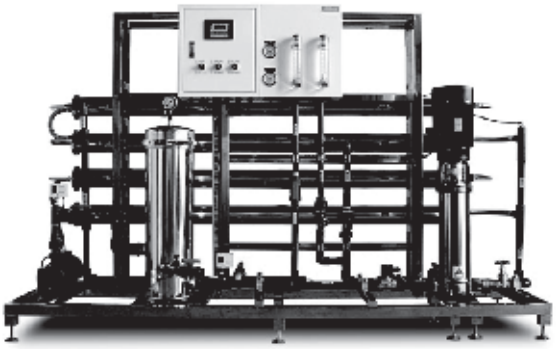
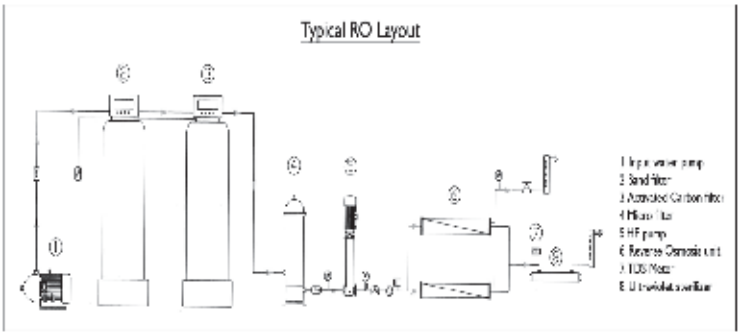
TAW

REVERSE OSMOSIS PLANTS

WATER TREATMENT





The TAW H-series Reverse Osmosis systems are designed to produce low dissolved solids water form tap or brackish well water and use high efficiency reverse osmosis membranes and FRP membrane housings.

SYSTEM PARAMETERS

- Flow rate:0.5m3/hr to 10m3/hr
- TDS of 1000 to 5000 PPM
- Operating Pressure 14 - 16 bar
- Minimum feed pressure 3 bar
- Operating Temperature 25°C
- Rejection 95 - 98%
- Chlorine must be removed if present in feed water prior to RO with a carbon filter
- Pre-treatment for water hardness using a softener or antiscalant injection should be added to avoid scaling the membranes
- Feed water turbidity: Less than 1 NTU; Feed water silt density index (SDI): 3 maximum. If exceeded, pre-treatment with media filter recommended.

KEY FEATURES

- Compact, heavy duty, powder coated frame
- Proven components used throughout the system
- Thin film composite membranes
- Fibreglass membrane housing pressure vessels
- 5 micron 20” cartridge filter and housing
- Automatic inlet feed solenoid valve
- Permeate flow meter
- High pressure stainless steel RO pump
- Rotary vane pump as an option
- Liquid filled pressure gauges for monitoring system pressure
- Corrossion resistant materials on high pressure side