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# Septech

## Reverse Osmosis Plants

# Septech Reverse Osmosis Plants

## Reverse Osmosis Plants to produce fresh water:

Septech is a leading engineering company involved in the water treatment and commercial water purification systems. We offer a wide range of solutions for all water purification needs.

Reverse osmosis membrane technology is used to separate dissolved impurities from water. The separated dissolved salts are continuously removed from out of the membrane system through the reject water. Pressure is used as the driving force for the separation. The applied pressure must be higher than the osmotic pressure of the feed / salty water to allow flow of fresh water through the membrane.

## Products Offered:

- Brackish / Tap Water Reverse Osmosis plant
- Sea Water Reverse Osmosis Plant
- Double Pass Reverse Osmosis plants to produce ultra pure water.
- Re-cycle plants for Treated sewage Effluent & Cooling tower blow down
- Ultra-filtration systems
- Pressure sand filters, carbon filters & micron filters
- Sterilisation / Disinfection units
- Spares & Consumables.



## Reverse Osmosis Plants to produce fresh water:

**Nature of Feed Water:** Direct Sea Intake / Beach Well / Bore Well  
**Standard Sizes:** 100 m<sup>3</sup>/day, 250 m<sup>3</sup>/day, 500 m<sup>3</sup>/day, 1000 m<sup>3</sup>/day and 1500 m<sup>3</sup>/day.  
 (Larger and specific sizes are available upon request)

## Features of Commercial & Industrial Reverse Osmosis Plants:

- Adequate pre-filtration
- Appropriate pre-treatment chemicals
- Premium quality High Pressure Pumps
- Glycerine filled 316 SS pressure gauge
- Product & Reject flow meters
- TFC spiral wound membranes
- FRP membrane housing
- Energy Recovery systems on high brackish and Sea water plants
- Automatic feed water shut off valve
- Easy access control panel
- Low & High pressure switches
- Instruments and controls

## Services:

- Annual Maintenance and Service Contracts 365 days/year
- Operation & Maintenance Contracts
- Design, Build, Own, Operate & Transfer
- Spares & Consumables



Septech's in-house design capability delivers pre-engineered systems built with high quality components and ready to run with all necessary features. Our innovative approach will provide an economical solution to your water treatment needs.