

# REVERSE OSMOSIS

## DESALINATION FOR DRINKING & PROCESS WATER

Reverse Osmosis is a technology that is used to remove a large majority of dissolved salts and contaminants from water by pushing the water under pressure through a semi-permeable membrane. Desalination is a separation process used to reduce the dissolved salt content of saline water to a usable level.

The most economical and popular technology to desalinate seawater and brackish water is reverse osmosis. By continuously developing this technique over recent years, it has been possible to reduce energy consumption to a minimum, enabling a significant reduction in water production costs. The design and construction of seawater desalination systems primarily depend on the salinity of the available water, the substances contained in the water, and the parameters required for product water



### ADVANTAGES:

- Low cost, trouble-free operation.
- Reliability in hot, dusty environments.
- Efficient processing of high salinity feed-water.
- Low power consumption.
- All components constructed of the very highest quality materials.
- Easy to upgrade for higher capacity.
- Compact and easily transported.
- Simple, clear layout. Aggressively priced.