

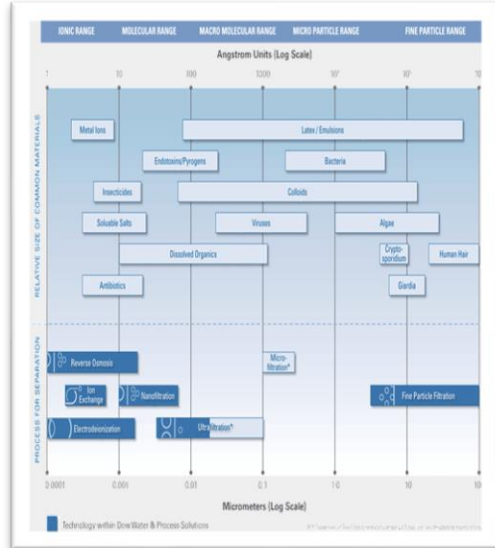
## REVERSE OSMOSIS

Reverse osmosis is the finest level of filtration available. The Reverse Osmosis membrane acts as a barrier to all dissolved salts and inorganic molecules, as well as organic molecules with a molecular weight greater than approximately 100. Water molecules, on the other hand, pass freely through the membrane creating a purified product stream. Rejection of dissolved salts is typically 95% to greater than 99%.

The Reverse Osmosis process uses a semi-permeable membrane to separate and remove

dissolved solids, organics, pyrogens, sub-micron colloidal matter, viruses and bacteria from water. Reverse Osmosis is capable of removing 98 – 99.5% of the Total Dissolved Solids (TDS) and

99% of all bacteria, providing ultrapure water for any application.



Prosep Chemicals provides a comprehensive range of filtration services — from Ultra Filtration through to



Reverse Osmosis. Our team of experts will assist you in designing a fit to your particular needs, no matter what your industry.

- Bottling plants
- Drinking Water
- Industrial Feed Water
- Bio Medical
- Bio Pharmaceutical
- Food and Beverage Industry



- Hydraulic feeds
- Clean air rooms
- Chemical Industry
- Mining
- Agriculture
- Sewage/ Effluent
- Power Generation
- Municipal and Water boards
- Governmental Institutions

These plants can be containerised, skid

mounted or installed in your own building. Plants can be installed throughout Africa and anywhere world wide

