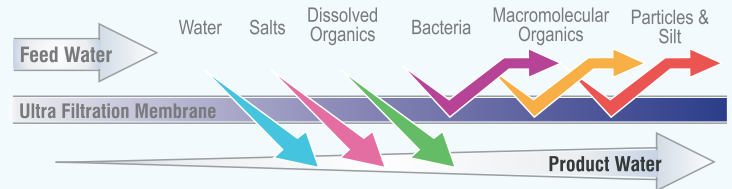


## What is Ultrafiltration?

- Ultrafiltration (UF) is a pressure-driven purification process that separates particulate matter from soluble components. This technology uses a membrane barrier to exclude particles as small as 0.01 microns, including bacteria, viruses and colloids, meeting increasingly stringent water quality standards around the world providing a stable, reliable and consistent water quality.

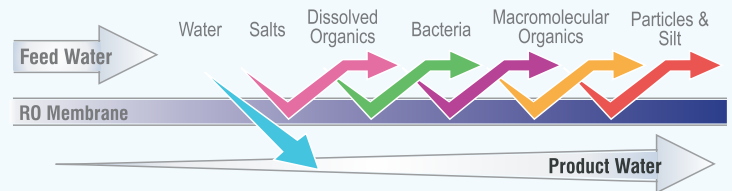
### Ultrafiltration



## What is Reverse Osmosis?

- RO is a membrane technology process that uses pressure to force a fluid through a membrane. It is the opposite of the natural osmosis function, in which a substance moves across a membrane from an area of high concentration to an area of low concentration. The process separates water from dissolved ions and compounds to form a clean stream (permeate) and a waste stream (reject). RO process can reject up to 99.9% of viruses, bacteria, and pyrogens and up to 99% of dissolved ions and organic compounds.

### Reverse Osmosis



## Advantages of Ultrafiltration

- Removes germs mercilessly:** Kills germs and also cleans the eggs of such bacterium & virus by physically removing and flushing them out.
- Removes large quantities of suspended particles:** UF can easily purify the dirtiest & muddiest of water and make it safe for consumption (except for dissolved impurities & chemicals).
- Easy to maintain.
- Stable reliable and consistent water quality.
- No chemicals required (aside from cleaning) and so no associated costs for sludge disposal.
- Compact plant size and small footprint .

## Advantages of Reverse Osmosis

- Eliminates 95 to 99% of TDS (total dissolved solids), salt, dissolved minerals, nitrates, pesticides, metals, and microorganisms from the water.
- Low installation costs.
- Minimal use of chemicals.

## Special Features

- Multi Stage Filtration Process to give clean water... macro, micro & UF / RO
- Compact System occupies very less space
- Automatic System – as per customer's requirement
- Optional water chiller
- Water ATM facility available
- Remote Access Data System
- Easy to Install & Operate
- Minimal Maintenance
- User Friendly

## Applications

- Drinking water for Rural communities, Institutions and Industries
- Domestic- Bungalows, Housing Societies
- Commercial Complexes
- IT Parks
- Boiler Feed
- Hospitals

## Capacities

- 0.2 m3/hr to 20 m3/hr

## Standard Models

- In litres per hour: 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 5000, 10000 etc.



**Ergonomic Design**



**Minimum Footprint**



**Maximum Convenience**



**Plug & Play**



**Easy Maintenance**



**OxiMax Service Advantage**

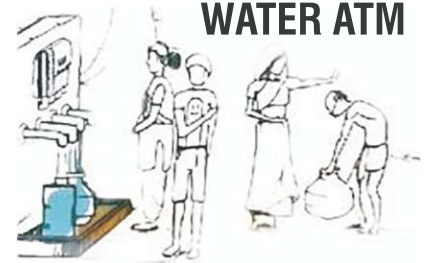
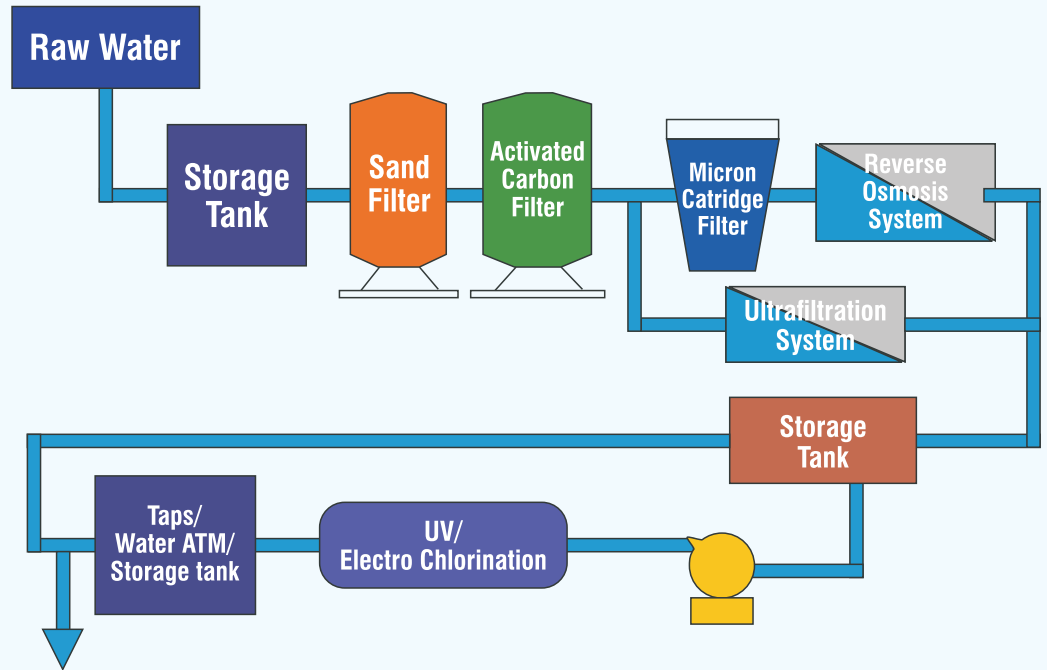


**Solar Friendly**

# Flow Chart of the OxiMax UF/ RO Water Treatment Plant

## List of standard components (some maybe optional)

- Raw water Feed Pump
- Raw water Tank
- Multigrade Sand Filter
- Activated Carbon Filter
- Antiscalant Dosing System
- Reverse Osmosis System / Ultrafiltration systems
- High Pressure Pump
- Micron Filter
- pH Correction Dosing System
- Ultra Violet System
- Control panel
- Instrumentation
- Water ATM
- Filtered Water Storage Tank
- Pre-fabricated room



Dispense desired volume,  
from a glass to 20 ltrs and more



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