

RO PUREMAX

Reverse osmosis is used to produce highly purified water. Filtered water is feed to R.O. Membranes through High-Pressure Pump at a necessary pressure for that Reverse osmosis may occur and to get permeate of desired TDS. Treated water from RO system will be storage Tank.

Ro Plant do not deliver to service all of the water that is fed to them. During operation, some of the incoming water is used to wash down the membrane, and only part becomes finished product water. Purified water is referred to as product and wastewater is referred to as concentrate, or reject. The percent of water delivered as product is called the recovery, and depends upon the membrane and on total RO Plant design considerations.

LET'S DRINK TO SIMPLE & PURE RO WATER



**GREENWAY ENVIRO
ENGINEERS PVT LTD**

WASTE WATER & WATER TREATMENT PLANTS
AND INDUSTRIAL SOLUTIONS

An ISO 10002 : 2018 Certified Company



MSME

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Safe and Pure Water & Brings Healthy Life

Ro PureMax (Ro Plant) is a process that is used to remove a wide range of salts to give water of a high purity - Osmosis is a natural process involving fluid flow across a semi-permeable membrane barrier. It is the process by which nutrients feed the cells in our bodies and how water gets to the leaves at the top of trees.

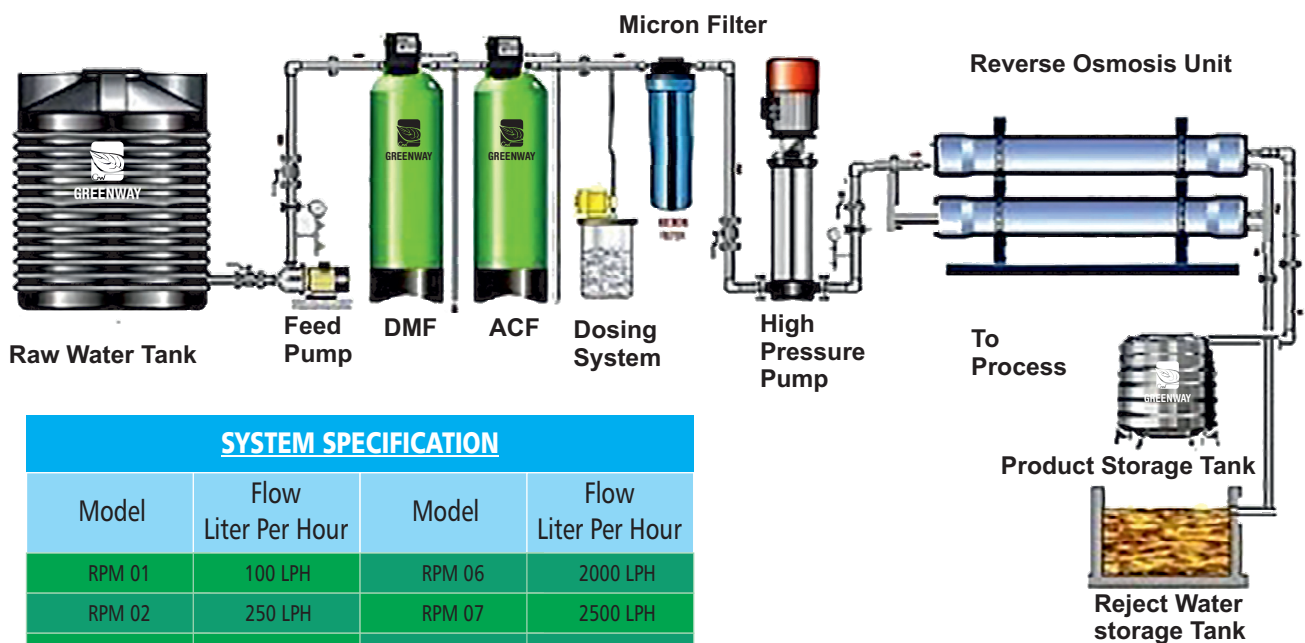
System Features:

Reverse Osmosis systems, in their basic form, consist of a pressure pump, housing and the membrane. Water is forced into the housing under pressure and the pure water (or permeate) is collected and passed to service. Media & Components are also certifies to NSF.

How It works :

1. When water first enters an RO system, it goes through pre filtration. Pre filtration typically includes a carbon filter and a sediment filter to remove sediment and chlorine that could clog or damage the RO membrane.
2. Next, water goes through the reverse osmosis membrane where dissolved particles, even too small to be seen with an electron microscope, are removed.
3. After filtration, water flows to the storage tank, where it is held until needed. A reverse osmosis system continues to filter water until the storage tank is full and then shuts off.

REVERSE OSMOSIS PLANT FLOW CHART



SYSTEM SPECIFICATION

| Model | Flow Liter Per Hour | Model | Flow Liter Per Hour |
|------------------------------|------------------------|--------|------------------------|
| RPM 01 | 100 LPH | RPM 06 | 2000 LPH |
| RPM 02 | 250 LPH | RPM 07 | 2500 LPH |
| RPM 03 | 500 LPH | RPM 08 | 3000 LPH |
| RPM 04 | 1000 LPH | RPM 09 | 5000 LPH |
| RPM 05 | 1500 LPH | RPM 10 | 10000 LPH |
| Range : 100 LPH to 25000 LPH | | | |



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