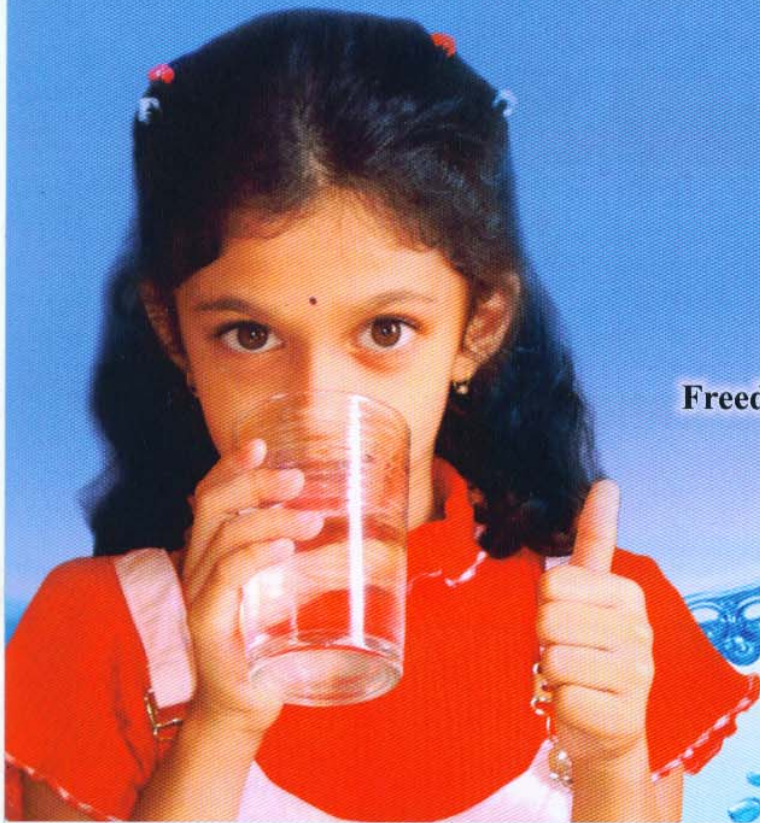




Freedom From All Water Problems and Water Related Diseases



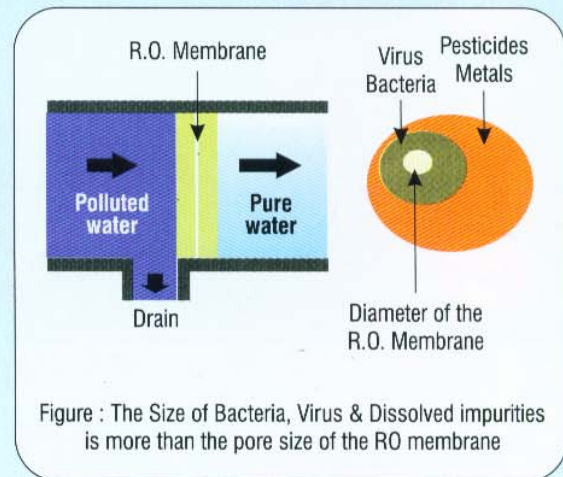
## RITE WATER<sup>®</sup> Reverse Osmosis System FOR DOMESTIC USE

### RO PROCESS

**Reverse osmosis (RO)** is a separation process that uses pressure to force a solution through a membrane that retains the solute on one side and allows the pure solvent to pass to the other side. More formally, it is the process of forcing a solvent **from a region of high solute concentration through a membrane to a region of low solute concentration** by applying a pressure in excess of the osmotic pressure.

### SALIENT FEATURES :

- Fully automatic operation with auto on-off feature
- Booster pump to provide constant pressure to the system
- Protection from voltage fluctuations
- Product water meets the best drinking water standards
- Storage Tank for water storage
- Compact & easy to use
- Suitable for borewell, dug well as well as municipal tap water
- Produces sweet water from salty/hard water



# 7

## ADVANTAGES

1. Removes all disease causing bacteria & viruses
2. Removes dissolved chemicals & pesticides
3. Removes dissolved metals & impurities
4. Improves taste, odour and appearance
5. No use of harmful chemicals like chlorine/bromine
6. Flushes away Pollutants, doesn't collect them
7. Easy to maintain & prompt after sales service

## COMPARISON OF PURIFICATION TECHNOLOGIES

	Can Cause	Rite Water RO	UV	Filtration	Boiling	Chemicals <small>Chlorine, Bromine</small>
<b>Dissolved Impurities</b>						
Pesticides	Cancer	✓	X	X	X	X
Rust	Dysentery	✓	X	X	X	X
Salts	Kidney stone	✓	X	X	X	X
Fluoride	Fluorosis	✓	X	X	X	X
Arsenic	Poisoning	✓	X	X	X	X
THM Halo Methanes	Cancer	✓	X	X	X	X
<b>Suspended Impurities</b>						
Bacteria	Typhoid, Cholera	✓	✓	✓	✓	✓
Virus	Gastro, Hepatitis	✓	✓	X	✓	✓
Turbidity	Yellow water	✓	✓	✓	X	X
Odour	Bad smell	✓	✓	X	X	X
Taste	Bad Taste	✓	X	X	X	X

**How does Rite Water RO System work?**  
The stages of water purification in **Rite Water RO System**

Stage	Component	Function
<b>1</b>	<b>Pre-Filter</b> Melt Blown Polypropylene	Removes suspended impurities like particles, rust and dust.
<b>2</b>	<b>Pre-RO GAC Cartridge</b> Silver impregnated Granular Activated Carbon	Removes chlorine, color, odour and other organic impurities
<b>3</b>	<b>Micron Sediment Filter</b> Spun bonded polypropylene	Reduces fine turbidity and polishes the water.
<b>4</b>	<b>Reverse Osmosis Membrane</b> Thin Film Composite (TFC), 0.0001 micron	Removes TDS Hardness, Fluoride, Pesticides, Heavy Metals like Lead, Mercury, Cadmium & Arsenic etc. Removes microorganism like Bacteria, Viruses and Protozoan Cysts
<b>5</b>	<b>Post-RO Carbon Cartridge</b> Silver impregnated Fine Granular Activated Carbon	Imparts bacteriostatic property and helps in reviving the original taste of water.



**Under Sink Model (Direct Flow)**

**RITE WATER**  
"Ultimate in Water Purification"



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