

## How safe is the water you drink ?

A glass of clean water at glance looks clear but may contain bacteria, virus and harmful minerals like fluoride, arsenic and lead. Excessive dissolved salts can cause serious problems to human health.

## How is pure water different from tap water ?

Water from an open-well, a bore well or a municipal tap may contain the following impurities :

### Physical :

Suspended solids, dirt & colloids.

### Microbiological :

Harmful bacteria & virus.

### Dissolved Impurities :

Salts, heavy metals, hardness and harmful minerals like fluoride, arsenic and lead.



## Why Moniba RO Water Purifier ?

Moniba RO Removes physical impurities, bacteria, virus, hardness, excess salts, heavy metals, chemicals and harmful minerals like arsenic, fluoride and lead.

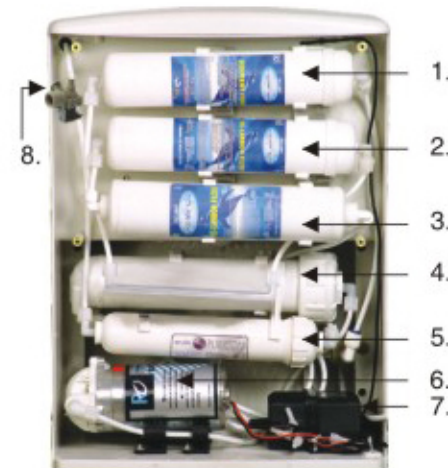
Moniba RO uses Reverse Osmosis membrane based technology which has been proven to be the most effective water purification process worldwide.

## Why UV System in RO?

To make your drinking water sweet and to retain essential minerals which are useful to our human body.

After filtration and before membrane, small % of water is passed to UV system for removal of bacteria & virus and to retain the minerals. This water will be connected to output of membrane water and combine water will be stored. Control valve is provided to control % quantity of water for mineral requirement & test.

## The RO flow diagram (Counter Top Model)



1. Disposable Sediment Filter
2. Activated Carbon Block Filter
3. GAC Filter
4. Membrane
5. UV System
6. Pump
7. Adapter
8. Control Valve

### Optional :



#### Pre-filter

If input water is turbid then it is advisable to use extra pre-filter to increase the life of RO filters and membrane.

## What is Reverse Osmosis ?

In this process, water under pressure is passed through membrane having pore dia of  $0.0001 \mu\text{m}$  that removes more than 90% of dissolved salts & allows only required residual minerals & pure water particles. Purified water is collected for use in storage tank and impurities in water are flushed to drain.

