



## Reverse Osmosis Systems

Water is the essence of life.

Unfortunately, our water supplies are today threatened by Industrial pollutants, pesticides, sewage etc, causing universal concern over the quality of drinking water. Harmful chemicals & minerals in drinking water can cause disease, severe dysentery & even death !

One way of assuring yourself of the quality of your drinking water is the Neotec RO Drinking Water System. Based on the latest technology of water purification called *Reverse Osmosis*, the Neotec RO system delivers clean, great tasting water, virtually free from harmful dissolved minerals.

### The Multi-Stage Filtration Process

#### 1st Stage

Unlike most filters, the Neotec system purifies the water in 5 separate stages. The 1st stage removes sediment, dirt, rust and visible particles from the water down to a level of 5 microns

#### 2nd Stage

The 2nd stage is a Carbon Filter, which removes most of the free chlorine & toxic organics such as Trihalomethanes (THMs).

#### 3rd Stage

The 3rd stage carbon block filter reduces the organic content of the water and prolongs the life of the membrane.

#### 4th Stage

The 4th stage (the heart of the system) is a semi-permeable Reverse Osmosis membrane, which removes up to 97% of harmful minerals and chemicals in water, making it pure & safe for drinking.



#### Optional faucets



#### 5th Stage

The 5th stage is a granular activated carbon filter that freshens the water, giving you & your family the best tasting water.

#### The Neotec Convenience

The Neotec RO comes with an air pressure (Hydro-Pneumatic) storage tank that gives you the convenience of having pure water from the system at good flow through a separate faucet that comes with the system.

#### Typical RO rejection rates

Aluminum	93 - 98%
Arsenic	93 - 98%
Barium	93 - 98%
Bicarbonates	93 - 98%
Boron	55 - 60%
Cadmium	93 - 98%
Calcium	93 - 98%
Chloride	90 - 95%
Chromate	90 - 95%
Chromium	93 - 98%
Copper	93 - 98%
Cyanide	90 - 95%
Fluoride	90 - 95%
Iron	93 - 98%
Lead	93 - 98%
Magnesium	93 - 98%
Manganese	93 - 98%
Mercury	93 - 98%
Nickel	93 - 98%
Nitrate	85 - 90%
Phosphate	93 - 98%
Potassium	93 - 98%
Radioactivity	90 - 95%
Selenium	90 - 95%
Silver	93 - 98%
Sodium	90 - 95%
Strontium	93 - 98%
Sulfates	93 - 98%
Zinc	93 - 98%

