

# Reverse Osmosis [Residential-50 GPD]

## FUNCTIONS:

Water is fed into a sediment cartridge for the removal of dirt, sediment, silt, etc. Water is then fed into a carbon cartridge filter for the removal of chlorine and odors. The water is then fed into the reverse osmosis membrane. Reverse osmosis is a scientific application where dissolved contaminants in water are removed by passing water under high pressure through a membrane. Pores in the reverse osmosis membrane are so small that only water molecules pass through. The contaminants are rejected and drained away to the sewer. The water then enters into a storage tank. Once water is dispensed through the faucet, the water passes through one final carbon polishing filter.

## ELIMINATES:

- Dissolved Contaminants (Total Dissolved Solids)

## PLEASE NOTE:

- Water must not contain any bacteria, iron or manganese. Hardness levels should not exceed 20 g.p.g.

## SYSTEM INCLUDES:

- Sediment Prefilter
- Carbon Post Filter
- Reverse Osmosis Membrane
- Storage Tank
- Shut Off Valve
- Inline Post Carbon Filter
- Optional (Booster Pump For Low Pressure Installations)

## OPTIONS:

In-Line Ultra-Violet  
(Eliminate Bacteria 99.9%)



**R.O. WITH BOOSTER PUMP**



## WATER QUALITY REJECTION REPORT

| Material     | % Rejection | Material  | % Rejection | Material  | % Rejection | Material    | % Rejection |
|--------------|-------------|-----------|-------------|-----------|-------------|-------------|-------------|
| Sodium       | 85-93       | Calcium   | 94-97       | Magnesium | 96-98       | Potassium   | 87-94       |
| Iron         | 95-98       | Manganese | 95-98       | Aluminum  | 96-99       | Ammonium    | 86-92       |
| Copper       | 98-99       | Nickel    | 98-99       | Zinc      | 98-99       | Strontium   | 96-98       |
| Cadmium      | 96-98       | Silver    | 93-98       | Mercury   | 96-98       | Barium      | 96-98       |
| Chromium     | 96-98       | Lead      | 96-98       | Chloride  | 87-93       | Bicarbonate | 90-95       |
| Nitrate      | 90-92       | Fluoride  | 87-93       | Silicate  | 85-90       | Phosphate   | 96-99       |
| Chromate     | 86-92       | Cyanide   | 86-92       | Sulphite  | 96-98       | Thiosulfate | 96-99       |
| Ferrocyanide | 98-99       | Bromide   | 87-93       | Borate    | 30-50       | Sulphate    | 98-99       |
| Arsenic      | 94-96       | Selenium  | 94-96       |           |             |             |             |

TEST MADE IN SAN DIEGO, CALIFORNIA. WATER AT 60 P.S.I./575 PPM TDS



850 - 47th Street East  
Saskatoon SK Canada  
S7K 0X4  
Ph: 306-242-2561  
Fax: 306-242-1223  
Toll Free: 1-800-664-2561  
Email: sales@thewaterclinic.com  
Website: www.thewaterclinic.com



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