Reverse Osmosis System

Introduction

Reverse osmosis (RO) systems can often improve the Quality of water.

The reverse osmosis water treatment method has been used extensively to convert brackish or seawater to drinking water, to clean up wastewater, and to recover dissolved salts from industrial processes. It is becoming more popular in the home market as homeowners are increasingly concerned about contaminants that affect their health, as well as about non-hazardous chemicals that affect the taste, odor, or

color of their drinking water.

Specifications

Volt: AC220V-DC24V Daily Production: 50GPD/189LPD(at 25 °C Temperature: 5-45 °C Inlet Water TDS: <1000ppm Main Rejection: 92-99% Treatment Stages: 5 Stages Optional: Handle Flush/Auto Flush

Applications Of Each Filtration

1st stage: Poly Sediment Filter

This filter is designed for purity, corrosion and chemical resistance, available in 10 micron.
This filter for remove of sand, silt, dirt and rust particles. **2nd stage:** Active Carbon Filter
This filter for effective removal of chlorine, foul taste and other filter problems over a longer period of time. **3rd stage:** Block Carbon Filter
This filter for highly effective filtration of water for certain VOC's, chlorine, taste and oder, and sediment reduction down to 5 micron. **4th stage:** Reverse Osmosis Filter
This filter for RO Desalting through RO Membrane. **5th stage:** In-line Granuler Active Carbon Post Filter
This filter continue for removal of taste and oder.

Reverse Osmosis System With Water Flowing Process Drawing And Name Of Each Components

- 1. Three Water Flowing & Inlet Diverter Valve
- 2. Poly Sediment Filter
- 3. Low Pressure Control Valve
- 4. Active Carbor Filter
- 5. Block Carbon Filter
- 6. lectromagnetic Valve (If Install It, Uninstall Four Sides Valve)
- 7. High Pressure Pump
- 8. Four Sides Valve (If Install It, Uninstall Electromagnetic Valve)
- 9. Guard Against Water Reture Valve
- 10. R.O. Housing
- 11. R.O. Menbrane
- 12. Diverter Brass Ball Valve
- 13. Bypass valve
- 14. A-I Diverter Valve
- 15. Pressure Tank
- 16. High Pressure Control Valve
- 17. In-Line Granular Active Carbon Post Filter
- 18. Long Reach Faucet



