

WHRO-700

Whole-House All-in-One Reverse Osmosis System

Features

- ◆ Compact and simple design
- ◆ Low maintenance
- ◆ Eco-friendly performance
- ◆ Delivery of safe, clean water for your entire building
- ◆ Perfect fit for home, restaurant and light commercial -- city and well water applications

Efficient by design

The WHRO-700 contains patented filter membranes, which use the basic pressure provided by a city or well supply and, in most instances, do not require a water softener for pre-treatment. The membranes last 2-3 years and remove approximately 90% of dissolved solids, at a ratio of only 1 – 1.3 gallons of waste for every gallon of production.



Water is our most precious resource

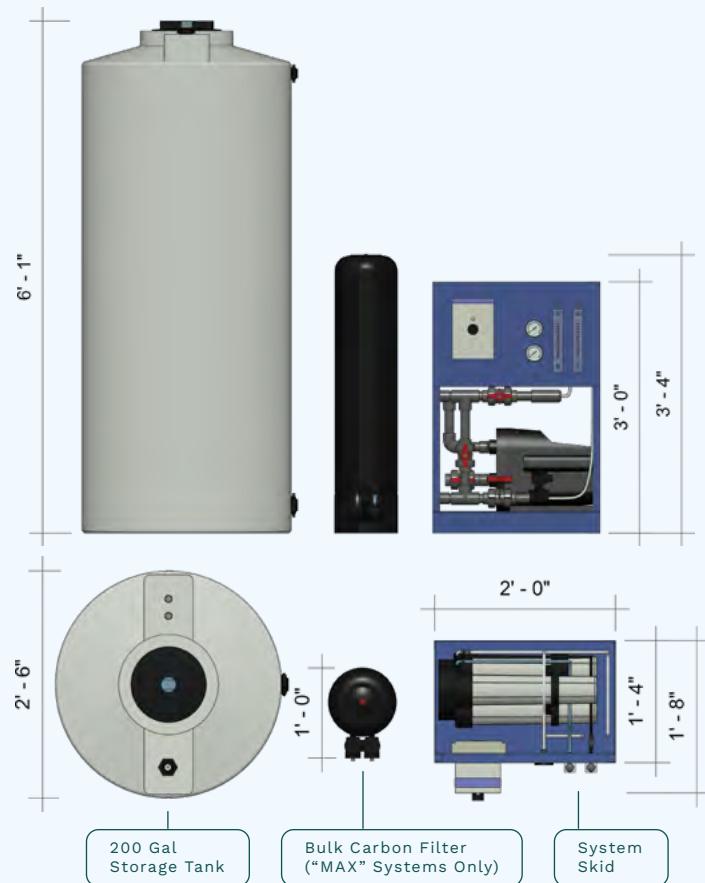
We use it for drinking, cooking, bathing, washing, and much more. Sometimes, our water can be problematic. Both city water and well water can contain minerals, microorganisms, heavy metals, radioactive substances, and industrial pollutants. This can be harmful to our health and detrimental to our plumbing systems (causing scaling of fixtures/valves, water heater failure, etc.). Occasionally, basic water softeners and filters are not enough to solve these problems. In these difficult situations, whole-house reverse osmosis (RO) is the best option. Whole-House RO removes nearly ALL of the contaminants from the water and provides bottled water quality to an entire home or business.

Technical features

- Line pressure RO module (2 membranes)
- Flow meters, pressure gauges, and system recovery (permeate) valve
- Tank float and shutoff valve
- Ozone generator for tank sanitization
- Efficient, variable speed/constant pressure delivery pump¹
- 200 gallon storage tank with FDA and NSF-61 certification
- No additional softening or filtration needed for most installations
- Bulk carbon filter with 18 month chloramine or 54 month chlorine removal²

¹Pump has programmable output pressure and contains integral pump tank (no additional bladder tank required)

²“MAX” Systems only



WHRO-700 Standard and “MAX” systems specifications

| | |
|----------------------------------|--|
| TDS Rejection (Avg.) | 90% |
| Clean Water Production (Avg.) | 700 gallons per day |
| System Storage | 200 gallons |
| System Recovery (Typ.) | 33% to 50% |
| On-Board Pre-Filter Life (Typ.) | 6 months |
| 9"x40" Carbon Filter Life (Typ.) | 18 months (chloramine), 54 months (chlorine) ³ |
| System Footprint (Tank) | 30"D x 73"H |
| System Footprint (Skid) | 24"L x 23"W x 36"H |
| RO Membrane Life (Typ) | 2-3 years |
| Maximum Hardness (Inlet) | 25 GPG (427.5 mg/L) |
| TDS Range (Inlet) | 150 mg/L to 1,500 mg/L ⁴ |
| Maximum Iron (Inlet) | 0.3 mg/L |
| Maximum Manganese (Inlet) | 0.1 mg/L |
| Maximum Inlet Pressure | 90 PSI |
| Minimum Inlet Pressure | 45 PSI |

³“MAX” Systems only

⁴Low inlet TDS may require additional re-mineralization filter on system outlet (contact WCC)

Which system is best for you?

| | | | |
|-------------------------------------|--------------------------|---------------------------------|--------|
| Well Water: | WHRO-700 | | |
| City Water (Chlorine): | WHRO-700 or WHRO-700-MAX | | |
| City Water (Chloramine): | WHRO-700-MAX | | |
| Typical % contaminant removal | | | |
| Sediment | 100.0% | Herbicides/Pesticides | 100.0% |
| Cysts: Giardia/ Cryptosporidium | 100.0% | Total Dissolved Solids (TDS) | 89.7% |
| Hardness (as CaCO ₃) | 98.0% | Nitrate/Nitrite | 78.4% |
| Sodium | 92.0% | Barium | 98.3% |
| Chloride | 94.0% | Chromium III & VI | 98.8% |
| Lead | 97.0% | Fluoride | 93.7% |
| Hydrogen Sulfide (H ₂ S) | 75.0% | Mercury | 85.0% |
| Arsenic V | 94.6% | Radium 226/228 | 80.0% |
| Silica | 99.0% | Uranium | 80.0% |
| Pump performance | | | |
| Flow rate (GPM) | 15 | 10 | 5 |
| Pressure (PSI) | 30 | 48 | 60 |