



User Manual

H2O to GO's RO-50 Reverse Osmosis System

3-Stage Home Water Filtration Unit

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1. Introduction

Congratulations on your purchase of the **H2O to GO's RO-50 Reverse Osmosis System**! This advanced 3-stage RO system is designed to deliver high-quality, great-tasting water right in your home by removing up to 99% of contaminants, including lead, chlorine, sediment, and more. This manual will help you install, operate, and maintain your system effectively.

2. Product Overview

The RO-50 is a **3-stage** under-sink reverse osmosis system designed for residential use. It provides clean drinking water through a multi-stage filtration process:

- **Stage 1:** Carbon Block Pre-Filter
- **Stage 2:** Carbon Block Post-Filter
- **Stage 3:** TFC Reverse Osmosis Membrane

Output Capacity: Up to 50 gallons per day (GPD)

Storage Tank: 3.2-gallon pressurized tank

Faucet Included: Yes, lead-free chrome faucet

Tubing: Color-coded for easy installation

3. System Components

Your RO-50 package includes:

- 1x RO-50 Filter System (Preassembled)
 - 1x 3.2 Gallon Storage Tank
 - 1x Chrome RO Faucet
 - 1x Carbon Block Pre-Filter (Stage 1)
 - 1x Carbon Block Post-Filter (Stage 2)
 - 1x TFC RO Membrane (Stage 3)
 - Color-coded Tubing (Red, Blue, White)
 - Feed Water Adapter & Shut-off Valve
 - Drain Saddle Clamp
 - Tank Ball Valve
 - Filter Housing Wrench
 - User Manual
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4. Installation Instructions

Tools Needed:

- Adjustable Wrench
- Phillips Screwdriver
- Drill (if mounting faucet)

△If you're unsure about installation, we recommend hiring a licensed plumber.

Step-by-Step Guide:

1. **Choose a Location**
Under the kitchen sink is ideal. Ensure space for the filter unit and tank.
2. **Install the Faucet**
 - Drill a ½" hole in your sink or countertop.
 - Insert faucet, tighten nut, and connect blue tubing to faucet base.
3. **Connect Feed Water Valve**
 - Turn off cold water line.
 - Install feed water adapter between shut-off valve and cold water line.
 - Connect red tubing from adapter to system inlet.
4. **Install Drain Clamp**
 - Position on vertical sink drain pipe.
 - Drill a ¼" hole in the pipe at marked spot.
 - Attach clamp and connect black tubing from system.
5. **Mount the RO System**
 - Place system upright.

- Use screws if wall mounting.
 - 6. **Connect Storage Tank**
 - Wrap Teflon tape on tank stem.
 - Screw on tank valve.
 - Connect white tubing from system to tank valve.
 - 7. **Check Connections**
 - Ensure all tubing is secure and color-coded correctly.
 - Slowly turn on water supply.
 - 8. **Flush the System**
 - Allow the tank to fill (~2–3 hours).
 - Open RO faucet and let water run for 10–15 minutes.
 - Repeat this flush process twice before using.
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5. System Operation

Once installed, the RO-50 operates automatically. When the tank is full, the system shuts off until water is drawn from the faucet. Expect ~50 GPD output, depending on water pressure and temperature.

6. Maintenance & Filter Replacement

Recommended Filter Change Schedule:

Filter Stage	Type	Change Every
Stage 1	Carbon Block Pre-Filter	12 months
Stage 2	Carbon Block Post-Filter	12 months
Stage 3	RO Membrane	2-5 years

Tip: Use the included housing wrench to remove filters easily.

Sanitizing the System (Annually Recommended):

1. Shut off water supply and tank valve.
 2. Remove filters and RO membrane.
 3. Add 1–2 tbsp of unscented bleach to Stage 1 housing.
 4. Reassemble and flush system (without filters) for 15–20 minutes.
 5. Rinse thoroughly and reinstall filters.
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7. Troubleshooting

Problem	Possible Cause	Solution
Low Water Flow	Clogged filter or membrane	Replace filters/membrane
No Water from Faucet	Tank not pressurized	Check tank pressure (7–8 psi empty)
System Won't Stop Running	Faulty shut-off valve	Inspect valve or contact support
Leaks	Loose connections	Tighten tubing and fittings
Taste/Odor Issues	Expired filters	Replace filters

8. Warranty & Support

The **H2O to GO RO-50** system comes with a **1-year limited warranty** covering manufacturer defects. Filters are not covered under warranty.

Contact Us:

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Thanks for choosing **H2O to GO!** Your clean water journey starts now.