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› Geekpure 6-Stage Reverse Osmosis Water Filtration System RO6-MF User Manual

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Model: RO6-MF

1. INTRODUCTION

The Geekpure 6-Stage Reverse Osmosis Drinking Water System with Mineral Remineralization Filter-75 GPD is designed to provide high-quality, clean, and great-tasting drinking water directly from your tap. This system utilizes advanced filtration technology to remove a wide range of contaminants and then reintroduces beneficial minerals for improved taste and health benefits. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your system.

2. PRODUCT COMPONENTS

Before beginning installation, please verify that all components listed below are present in your package. If any parts are missing or damaged, please contact customer support.

- Main System Bracket
- 6 x Filters (PP Sediment, Granular Carbon, Carbon Block, RO Membrane, Post Carbon, Mineral Filter)
- Faucet
- Diverter Valve
- 2.8 Gallon Storage Tank
- Filter Housing Wrench (2)
- Water Pipe (Color-coded tubing)
- Drain Clamp (Drain Saddle)
- Faucet Fittings
- Clips

Reverse Osmosis

Complete list of parts included



- **Tank Ball Valve**

Connects storage tank with 3/8" white tube



- **Feed Water Diverter Valve**

2 way feed adapter fits both
1/2" and 3/8" feed line



- **Faucet Fittings**



- **Color Tubing**



- **Housing Wrench**



- **Drain Saddle**

Fits drain pipes up to 1.5"
OD used for drain water



- **Quick Adapter**

Connects faucet with 3/8" white tube



- **Clips**

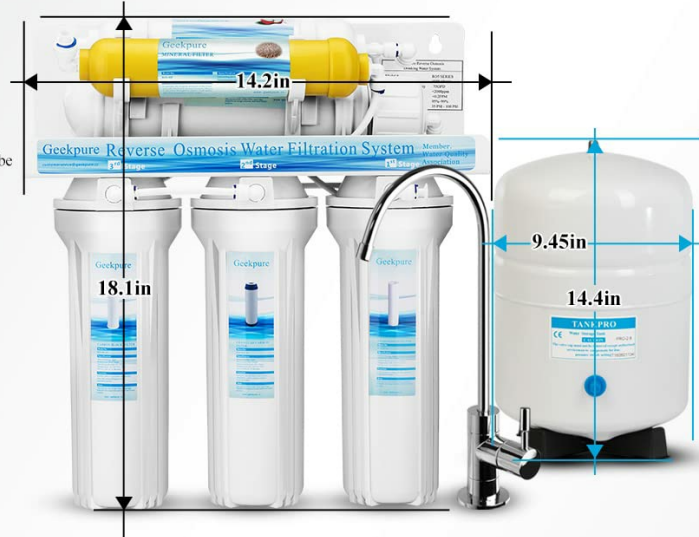


Image: Complete list of parts included with the Geekpure 6-Stage Reverse Osmosis Water Filtration System.

3. SYSTEM OVERVIEW AND FILTRATION STAGES

The Geekpure 6-Stage Reverse Osmosis system processes tap water through multiple filtration steps to ensure purity and enhance taste. Each stage targets specific contaminants, culminating in mineralized, clean drinking water.

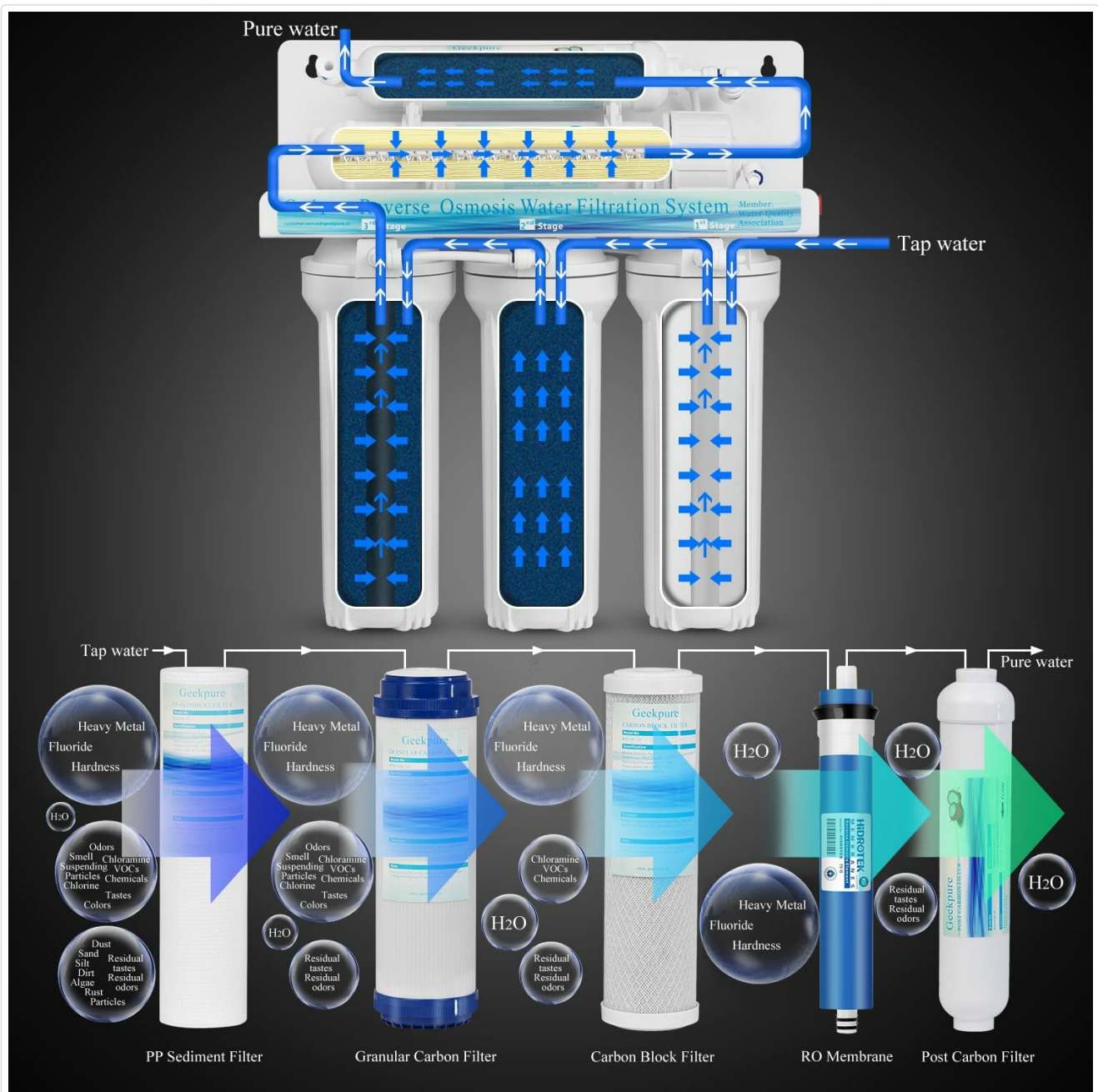


Image: Visual representation of water flow through the six filtration stages of the system, from tap water to pure water.

Filtration Stages:

1. Stage 1: PP Sediment Filter

Removes dust, sand, silt, dirt, algae, and rust particles from the water. This pre-filter protects subsequent stages from larger debris.

2. Stage 2: Granular Carbon Filter

Removes chlorine, taste, odors, and very fine particulates. This stage uses granular activated carbon to absorb impurities.

3. Stage 3: Carbon Block Filter

Further removes residual chemicals, tastes, odors, chloramine, and Volatile Organic Compounds (VOCs). This compressed carbon block provides enhanced filtration.

4. Stage 4: RO Membrane (Reverse Osmosis Membrane)

Filters down to 0.0001 micron, reducing 99% of total dissolved minerals, heavy metals (like arsenic, mercury, lead), fluoride, and over 1000+ contaminants. This is the core purification stage.

 1st stage		PP Sediment Filter Life time: 6~12 months Removes dust, sand, silt, dirt, algae and rust particles.
 2nd stage		Granular Carbon Filter Life time: 6~12 months Removes odors, smell, suspending particles, chlorine, tastes and colors.
 3rd stage		Carbon Block Filter Life time: 6~12 months Further removes residual chemicals, tastes, odors, chloramine and VOCs.
 4th stage		RO Membrane Life time: 15~20 months Filter precision 0.0001 micron, Removes up to 99% of contaminants, such as heavy metal, arsenic, lead, fluoride, mercury, cadmium and more.
 5th stage		Post Carbon Filter Life time: 12~15 months Removes any possible residual tastes and odors from the tank.
 6th stage		Mineral Filter Life time: 12 months It contains the original minerals in the water and make more and various minerals effluent in the water through bio-stones, coral sands, and silver-pregnated zeolite stones.

Image: Cross-section view of an NSF-certified Reverse Osmosis Membrane, illustrating its multi-layered structure and filtration process.

5. Stage 5: Post Carbon Filter

Polishes the water for refined taste, removing any possible residual tastes and odors from the storage tank.

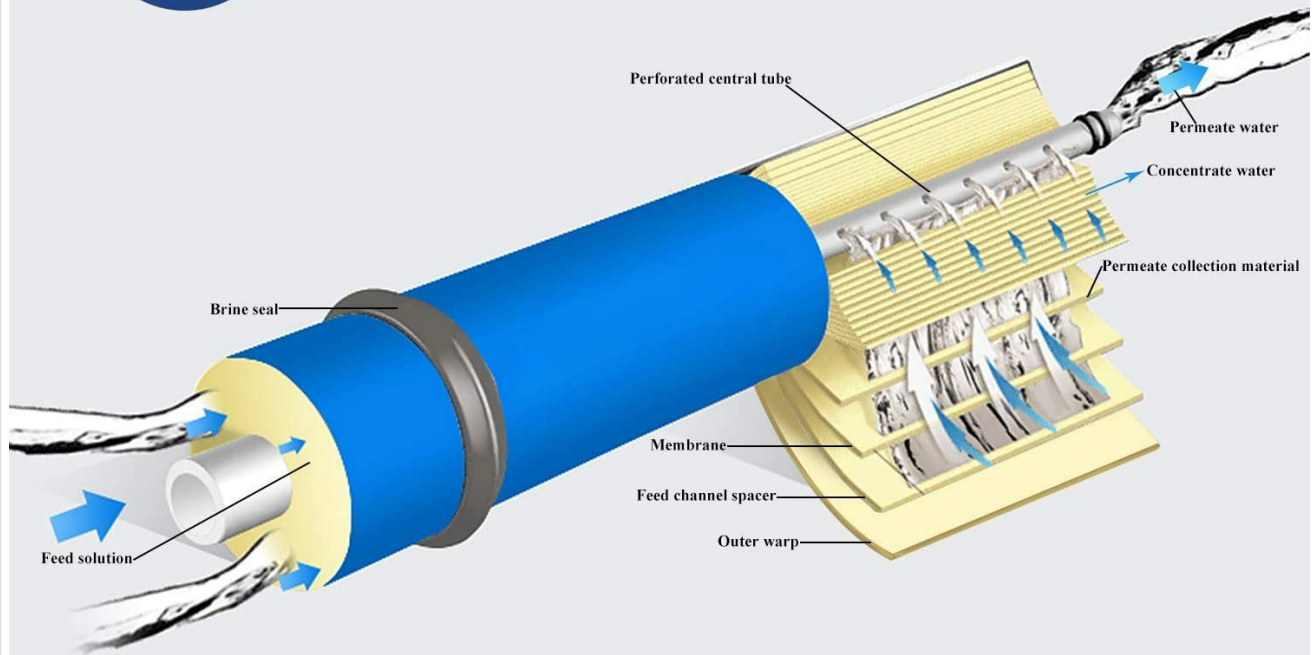
6. Stage 6: Mineral Filter

Adds healthy various minerals back to the pure water, such as Calcium, Magnesium, and Sodium ions. This stage ensures the water is not only clean but also beneficial for consumption.

Why do you need the 6th stage?



Image: Illustration demonstrating how the mineral filter reintroduces essential minerals like Calcium, Magnesium, and Zinc into the purified water.



Reverse Osmosis Membrane with NSF certified

Micron rating : 0.0001mic.Remove up to 99% of contaminants in water

Image: A comprehensive diagram detailing each of the six filtration stages, including their primary function and estimated lifespan.

4. INSTALLATION GUIDE

This section provides step-by-step instructions for installing your Geekpure Reverse Osmosis system. The system comes with quick connect fittings and color-coded tubing for an easier DIY experience. For visual assistance, please refer to the official installation video below.

Your browser does not support the video tag.

Video: Official Geekpure installation guide for the 6-stage Reverse Osmosis system. This video demonstrates the complete setup process.

Key Installation Steps:

1. **Feed Water Diverter Valve Connection:** Connect the diverter valve to your cold water supply line. Ensure a secure, leak-free connection.
2. **Faucet Installation:** Drill a hole in your countertop if necessary (refer to local guidelines and safety precautions). Install the included faucet, ensuring all washers and nuts are properly secured. The faucet is lead-free.

Drilling a hole on countertop is not as hard it seems.
YouTube“ how to drill a hole on countertop“



Image: Exploded view and dimensions for the lead-free faucet installation, including base plate, rubber washer, plastic washer, lock washer, and nut.

3. **Drain Saddle Installation:** Attach the drain saddle to the drain pipe under your sink. This will carry the wastewater from the RO system to the drain.
4. **Storage Tank Connection:** Wrap the storage tank's valve threads with 5-6 rolls of Teflon tape. Connect the tank ball valve to the storage tank.
5. **Tubing Connections:** Connect the color-coded tubing to the appropriate ports on the main system, faucet, storage tank, and drain saddle. Push tubing all the way into quick-connect fittings and secure with clips.

Important: It is recommended to wait until the entire system is pressurized (including the storage tank and faucet) and re-check for any leaks before leaving the installation site. Use Teflon tape on threaded connections where specified.



Image: Example of the Geekpure Reverse Osmosis system neatly installed under a kitchen sink, showing the main unit, storage tank, and connections.

5. OPERATING INSTRUCTIONS

Initial System Flush:

For the first use, it is crucial to flush the system. This involves filling and emptying the storage tank at least two times. It is normal for some black carbon fines to appear in the water when emptying the first two tanks. The water produced during these initial flushes should be emptied and not consumed.

Daily Operation:

Once flushed, your system is ready for daily use. The storage tank will automatically refill as water is drawn from the faucet. The system operates silently and efficiently to provide continuous access to purified water.

6. MAINTENANCE

Regular maintenance, primarily filter replacement, is essential for the optimal performance and longevity of your Geekpure RO system. Refer to the filter life cycle in the specifications section for recommended replacement

intervals.

Filter Replacement:

- Turn off the feed water supply and drain the system.
- Use the provided filter housing wrench to unscrew the filter housings.
- Remove old filters and dispose of them properly.
- Insert new filters, ensuring they are correctly oriented.
- Screw the housings back on, hand-tightening them, then use the wrench for a final snug. Do not overtighten.
- Restore water supply and check for leaks. Flush the system as per initial operating instructions if replacing multiple filters.

7. TROUBLESHOOTING

If you encounter issues with your Geekpure RO system, refer to the common problems and solutions below. For persistent issues, contact customer support.

Problem	Possible Cause	Solution
No water from faucet	Feed water valve closed; Storage tank empty; Clogged filters/RO membrane	Open feed water valve; Allow tank to fill (2-3 hours); Replace clogged filters/RO membrane
Slow water flow	Low water pressure; Clogged filters/RO membrane; Air in system	Check household water pressure; Replace filters/RO membrane; Bleed air from system by opening faucet until steady flow
Water has bad taste/odor	Expired carbon filters; New system not flushed properly	Replace carbon filters; Flush system thoroughly (2-3 tank cycles)
Leaks	Loose connections; Damaged O-rings; Incorrectly installed filters	Tighten connections; Inspect and replace O-rings; Reinstall filters correctly

8. SPECIFICATIONS

Technical details for the Geekpure 6-Stage Reverse Osmosis Drinking Water System RO6-MF.

Feature	Detail
Brand	Geekpure
Model Number	RO6-MF
Capacity	75 Gallons Per Day (GPD)
Product Dimensions (L x W x H)	14.2" x 9.5" x 18.1"
Material	Alloy Steel, Brass, Plastic
Installation Type	Under Sink
Purification Method	PP Sediment, Activated Carbon, Carbon Block, Reverse Osmosis, Remineralization Filter

Feature	Detail
Feed Water Pressure	40 - 100 PSI
Operating Temperature Range	40-110°F / 5-45°C
Max TDS	1000 ppm
Filter Life Cycle	12 Months (varies by filter type and water quality)
Storage Tank Capacity	2.8 Gallons
Pipe Size	1/4 inches and 3/8 inches

9. WARRANTY AND SUPPORT

The Geekpure 6-Stage Reverse Osmosis Drinking Water System RO6-MF comes with a**1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. It does not cover damage resulting from improper installation, misuse, neglect, accidents, or unauthorized repairs.

For warranty claims, technical support, or to purchase replacement parts, please contact Geekpure customer service. Ensure you have your model number (RO6-MF) and proof of purchase available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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