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GarveeTech mMxyRzzRZEqNNbFSq-dUowcxdI

GarveeTech Countertop Reverse Osmosis Water Filter Instruction Manual

Model: mMxyRzzRZEqNNbFSq-dUowcxdI

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your GarveeTech Countertop Reverse Osmosis Water Filter. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

2. Safety Information

Observe the following safety precautions to prevent injury or damage to the product:

- Ensure the power supply voltage matches the product's requirements.
- Do not immerse the unit in water or other liquids.
- Keep the unit away from direct sunlight, heat sources, and corrosive substances.
- Do not attempt to disassemble or repair the unit yourself. Contact customer support for assistance.
- Use only genuine GarveeTech replacement filters.
- The maximum supported water TDS level is 500 PPM. Do not use with water exceeding this limit.
- Always unplug the unit before cleaning or performing maintenance.

3. Product Overview

3.1. Key Features

- **5-Stage Filtration:** Utilizes PPC + RO filters for comprehensive purification, removing up to 99.99% of contaminants including heavy metals, PFAS, and dissolved solids. The filtration stages are Stainless Steel Filter, Sediment PP Membrane, Activated Carbon, 0.0001 Micron RO Membrane, and UV.
- **Dual Water Tanks:** Features a 4 L (135 oz) detachable raw water tank and a 1.5 L pure water tank.
- **High Pure-to-Drain Ratio:** Achieves a 4:1 pure-to-waste water ratio.
- **Smart Display & Touch Screen:** Provides real-time TDS levels and filter life status.
- **No Installation Required:** Plug-and-play design for immediate use.
- **Swivel Spout:** -90° to 90° swivel spout for versatile dispensing.
- **Volume Options:** Offers 5 preset volume settings (8 oz, 16 oz, 30 oz, 40 oz, or unlimited).
- **Automatic Water Production:** Automatically produces purified water once the raw water tank is filled.

3.2. Components

The GarveeTech Countertop Reverse Osmosis Water Filter system includes the main unit, a raw water tank, a pure water tank (internal), PPC and RO filter cartridges, a removable drip tray, and a power adapter.

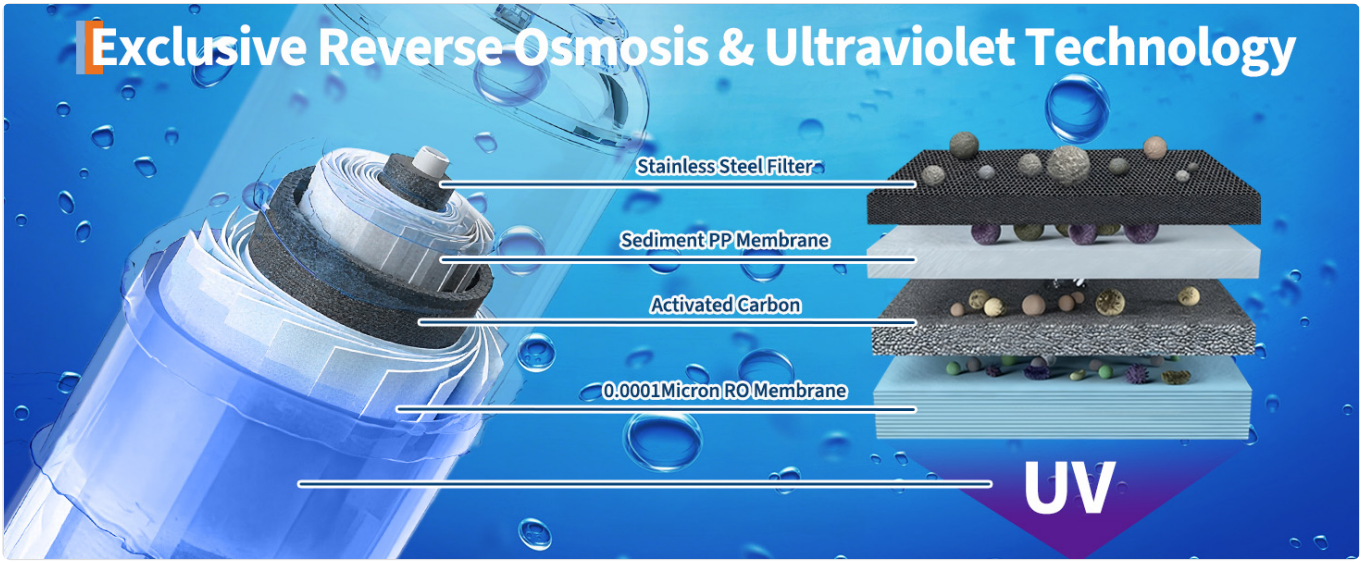


The GarveeTech Countertop Reverse Osmosis Water Filter, showing its compact design and user interface.

3.3. Filtration Process

The system employs a 5-stage filtration process to ensure water purity:

1. **Stainless Steel Filter:** Removes larger particles.
2. **Sediment PP Membrane:** Filters out sediment, rust, and other suspended solids.
3. **Activated Carbon:** Absorbs chlorine, odors, and organic chemicals.
4. **0.0001 Micron RO Membrane:** Removes dissolved solids, heavy metals, bacteria, and viruses.
5. **UV Sterilization:** Provides an additional layer of protection against microorganisms.



A visual representation of the 5-stage filtration process, including Stainless Steel Filter, Sediment PP Membrane, Activated Carbon, 0.0001 Micron RO Membrane, and UV. Also shown are the PPC and RO filter cartridges with their recommended replacement cycles.



Diagram showing the internal water flow path from the feed water tank through the Stainless Steel Filter, PP+CTO, RO filters, and UV, to the internal pure water reservoir and dispenser.

3.4. Control Panel and Display

The unit features an LED touchscreen for easy operation and monitoring. It displays real-time TDS levels for both raw and purified water, filter life indicators, and various operational statuses.



Close-up of the smart LED touchscreen, detailing indicators for water-making, water-changing, lack of pure water, filter life, ultraviolet germicidal status, raw and pure water TDS/outlet volume, and buttons for water volume selection, manual flush, water outlet, and filter reset.

4. Setup

4.1. Unpacking

Carefully remove all components from the packaging. Inspect for any damage. Retain packaging for future transport or storage.

4.2. Placement

Place the unit on a flat, stable surface. The compact design and swivel spout allow for flexible placement in various locations such as kitchens, offices, apartments, or RVs. Ensure there is adequate space around the unit for ventilation and access to the raw water tank.



This image illustrates the dimensions of the water filter (17 inches L x 7.2 inches W x 14.8 inches H) and suggests suitable placement in various environments such as kitchens, offices, apartments, and RVs.

4.3. Initial Water Fill

The unit requires no plumbing installation. Simply lift the 4 L raw water tank from the side of the unit, fill it with tap water, and place it back into position. Ensure the tank is securely seated.



This image demonstrates the process of refilling the raw water tank, showing how to remove the original tank, clean it, and the flexibility of the rotating panel and movable drip tray.

4.4. Power Connection

Connect the power adapter to the unit and then plug it into a standard electrical outlet. The unit will power on automatically.

5. Operating Instructions

5.1. Automatic Water Production

Once powered on and the raw water tank is filled, the system will automatically begin producing purified water, filling the internal 1.5 L pure water tank.

5.2. Dispensing Water

Use the LED touchscreen to select your desired water volume. Options include 8 oz, 16 oz, 30 oz, 40 oz, or unlimited. Press the water outlet button to dispense. The swivel spout can be adjusted for convenience.

5.3. Monitoring TDS Levels

The display panel shows real-time TDS (Total Dissolved Solids) levels for both raw and purified water, allowing you to monitor water quality.

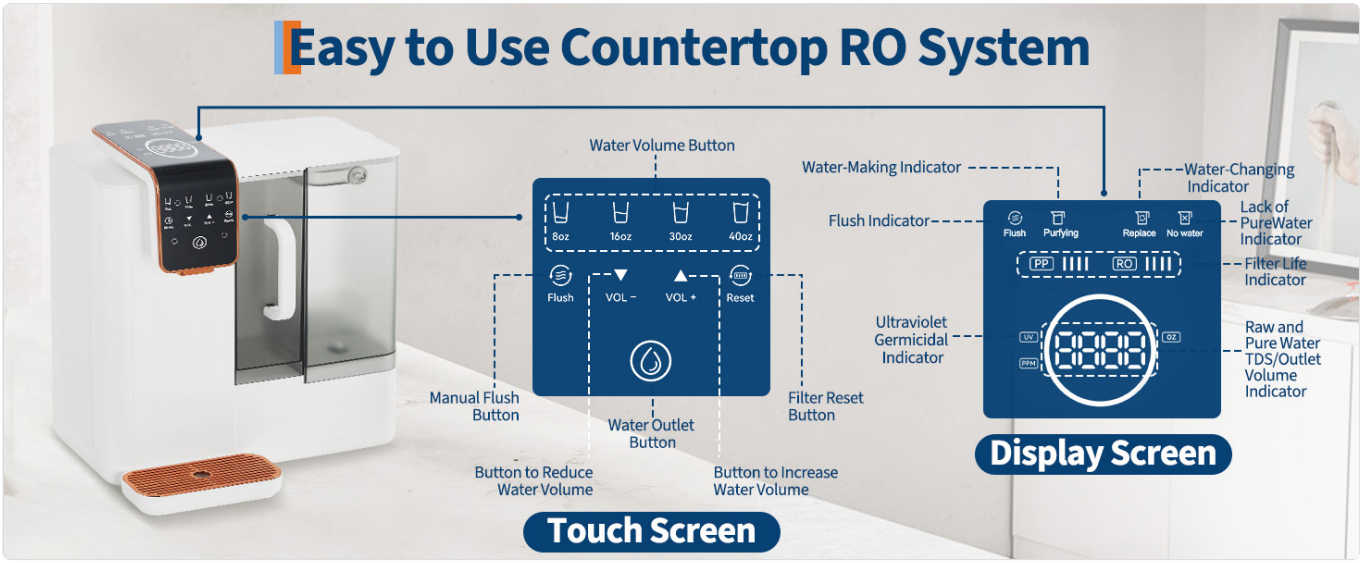
5.4. Manual Flush Function

The manual flush button can be used to flush the system, which helps to extend filter life and maintain water quality.

6. Maintenance

6.1. Filter Life Monitoring

The LED display panel indicates the remaining life of both the PPC and RO filters. When a filter's indicator light turns off, it signifies that the filter has expired and requires replacement.



This table outlines the recommended service life for the PPC and RO filters. The PPC filter has a lifespan of 12 months, and the RO filter has a lifespan of 24 months.

6.2. Filter Replacement

Follow these steps to replace the filter cartridges:

1. Unplug the unit from the power outlet.
2. Remove the water tank cap, raw water tank, and the top cover of the unit.
3. To remove an expired filter (PPC or RO), firmly press down on the cartridge. It will spring out for easy removal.
4. Install the new filter by aligning it with the bottom slots and pressing it firmly into place until it clicks.
5. Reinstall the top cover, raw water tank, and water tank cap.
6. Plug the unit back in. Press the 'Filter Reset' button on the control panel to reset the filter life indicator for the replaced filter.



A four-step guide illustrating how to replace the PPC and RO filters: 1. Remove water tank cap, water tank, and top cover. 2. Remove expired filter by pressing firmly. 3. Install new filter by aligning with slots. 4. Reinstall top cover, water tank, and cap.

6.3. Cleaning the Water Tanks and Drip Tray

Regularly clean the raw water tank and the removable drip tray with mild soap and water. Rinse thoroughly to remove any soap residue. Do not use abrasive cleaners or harsh chemicals.

7. Troubleshooting

Problem	Possible Cause	Solution
No water dispensed	Raw water tank empty; Power not connected; Pure water tank full; System error.	Refill raw water tank; Check power connection; Dispense pure water; Contact support.
Slow water production	Clogged filters; Low water pressure (unlikely for countertop); Air in system.	Replace filters; Perform manual flush; Contact support.

Problem	Possible Cause	Solution
High TDS reading for pure water	Expired RO filter; Improper filter installation; System malfunction.	Replace RO filter; Reinstall filters correctly; Contact support.
Filter life indicator off	Filter has expired.	Replace the indicated filter and reset the filter life on the control panel.
Unit not powering on	Power cable disconnected; Power outlet issue.	Check power connections; Try a different outlet.

If the problem persists after attempting these solutions, please contact GarveeTech customer support for further assistance.

8. Specifications

Feature	Detail
Brand	GarveeTech
Model Number	mMxyRzzRZEqNNbFSq-dUowcxdI
Product Dimensions (L x W x H)	17" x 7" x 15" (43.18 cm x 17.78 cm x 38.1 cm)
Item Weight	18.3 Pounds (8.3 kg)
Raw Water Tank Capacity	4 Liters (135 oz)
Pure Water Tank Capacity	1.5 Liters
Purification Method	Reverse Osmosis (5-Stage with UV)
RO Membrane Filtration Accuracy	0.0001 Microns
Pure to Drain Ratio	4:1
PPC Filter Lifespan	12 Months (approx.)
RO Filter Lifespan	24 Months (approx.)
Maximum Supported Water TDS	500 PPM
Included Components	Faucet (integrated)

9. Warranty and Support

For warranty information or technical support, please refer to the warranty card included with your product or visit the official GarveeTech website. You may also contact GarveeTech customer service directly for assistance with product inquiries, troubleshooting, or replacement parts.

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