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› [VEVOR 400 GPD Tankless 8-Stage Under-Sink Reverse Osmosis Water Filter System Manual](#)

VEVOR SS-001

VEVOR 400 GPD Tankless 8-Stage Under-Sink Reverse Osmosis Water Filter System

Model: SS-001

Brand: VEVOR

1. INTRODUCTION

Thank you for choosing the VEVOR 400 GPD Tankless 8-Stage Under-Sink Reverse Osmosis Water Filter System. This system is designed to provide high-quality purified water directly from your tap, offering advanced filtration and a compact, tankless design. Please read this manual thoroughly before installation and operation to ensure proper use and maintenance of your system.

2. SAFETY INFORMATION

- Ensure all connections are secure to prevent leaks.
- Do not expose the system to freezing temperatures.
- Only use genuine VEVOR replacement filters.
- Disconnect power before performing any maintenance or filter changes.
- Keep the system away from direct sunlight and heat sources.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. PRODUCT OVERVIEW AND COMPONENTS

The VEVOR 400 GPD Tankless RO System is a compact, efficient water purification unit designed for under-sink installation. It features an 8-stage filtration process and a high flow rate.

400 G Under Sink RO System

Premium Dual-filter System

400 GPD



RO Filter: 24 Months

PCF Filter: 12 Months



8-stage Ultra Filtration



0 Residual Water



Tankless Design

Figure 3.1: VEVOR 400 GPD Under-Sink RO System installed beneath a kitchen sink, showing its compact design and connection to a dedicated faucet.

3.1 Main Unit and Filters



Figure 3.2: Front view of the VEVOR RO filter unit, highlighting the filter indicators and twist-in filter design.

3.2 Filtration Stages

This system utilizes an 8-stage composite filtration process to ensure comprehensive water purification.

Why Tankless?	 A4		Easy Installation 30 Min Install 3 Sec Replace	 Sri Lanka Coconut Shell Carbon Blocks Better Tasting Water
	RO Filter	Canisters Ro		
Installation	Easy	Difficult		 Automated Filter Replacement Reminder
Water Saving	2:1 Pure to Drain	1:4 Pure to Drain		
Space Saving	75% ↓	x	 Upgraded Low-noise Pump	
Water Flow Rate	34 oz/min	4.5 oz/min		
Constantly Purified Water	Yes	No		

Figure 3.3: Detailed diagram illustrating the multiple layers of the 8-stage composite filtration, including PP Cotton, Non-woven Fabric, Activated Carbon Fiber, RO Membrane, and Scale Inhibitor.

3.3 Included Accessories

The package includes all necessary components for installation and operation:



Item Model Number: **SS-001**

Purification Type: **RO + PCF Ultra Filtration**

Flow Rate: **400 GPD**

Compatible Water Source: **Municipal Tap Water**

Lifespan: **Flow Rate \geq 1.0 L/min After 4000 L**

Operating Temperature: **41-100.4°F / 5-38°C**

Operating Pressure: **0.1-0.4 Mpa**

Item Dimensions:

15.63 x 5.39 x 13.66 in / 397 x 137 x 347 mm

Item Net Weight: **16.42 lbs / 7.45 kg**

Accessories:

1 x User Manual

White PE Tubings (2 x 1/4", 1 x 3/8")

1 x Inlet Three-way UNEF Thread

1 x Quick Connector (1/4" Quick Connect)

Blue Anti-fall Clips (2 x 1/4", 2 x 3/8")

1 x Wastewater Clip

1 x Adapter

1 x Mechanical Faucet

· Ensure reserved water and electrical connections at the setup location

Figure 3.4: Image displaying all components included in the box, such as the main unit, faucet, tubing, adapter, and various connectors.

- 1 x User Manual
- White PE Tubings (2 x 1/4", 1 x 3/8")
- 1 x Inlet Three-way UNEF Thread
- 1 x Quick Connector (1/4" Quick Connect)
- Blue Anti-fall Clips (2 x 1/4", 2 x 3/8")
- 1 x Wastewater Clip

- 1 x Adapter
- 1 x Mechanical Faucet

4. SETUP AND INSTALLATION

Installation of the VEVOR RO system is designed to be straightforward, typically taking around 30 minutes. Ensure reserved water and electrical connections are available at the setup location.

4.1 Pre-installation Checklist

- Verify all components listed in Section 3.3 are present.
- Ensure adequate space under the sink for the compact unit (15.63 x 5.39 x 13.66 inches / 397 x 137 x 347 mm).
- Confirm access to a cold water line and a drain.
- An electrical outlet (110 Volt) is required for the system's pump.

4.2 Installation Steps

1. **Install the Faucet:** Drill a hole in your sink or countertop (if not already present) and mount the dedicated mechanical faucet. Secure it with the provided hardware.
2. **Connect to Cold Water Line:** Turn off the main cold water supply. Install the inlet three-way UNEF thread adapter to the cold water line. Connect the 3/8" white PE tubing from the adapter to the system's inlet port.
3. **Connect to Drain:** Attach the wastewater clip to the drain pipe under the sink. Connect the 1/4" white PE tubing from the system's drain port to the wastewater clip.
4. **Connect to Faucet:** Connect the remaining 1/4" white PE tubing from the system's purified water outlet to the dedicated faucet.
5. **Install Filters:** Insert the PCF (Pre-Carbon Filter) and RO (Reverse Osmosis) filters into their respective slots on the main unit. Twist them into place until secure.
6. **Power Connection:** Plug the adapter into the system and then into a 110 Volt electrical outlet.
7. **Flush the System:** Turn on the main cold water supply. Open the RO faucet and allow water to run for at least 15-30 minutes to flush the system and new filters. This removes air and carbon fines.



Figure 4.1: A visual representation of the VEVOR RO system installed under a sink, showing tubing connections to the water supply, drain, and faucet.

5. OPERATING INSTRUCTIONS

Once installed and flushed, your VEVOR RO system is ready for use.

5.1 Dispensing Water

Simply open the dedicated RO faucet to dispense purified water. Note that there may be a slight delay between activating the faucet and water flow for tankless RO systems.



Figure 5.1: A child happily drinking water dispensed from the VEVOR RO system's faucet, demonstrating ease of use.

5.2 Automatic Flushing

The system features 24/7 automatic flushing to reduce sediment buildup and maintain filter efficiency, ensuring fresh water all day.

24/7 Auto Flush, All Day Fresh

No residual water, just freshness



Integrated Water Path, No Leaking

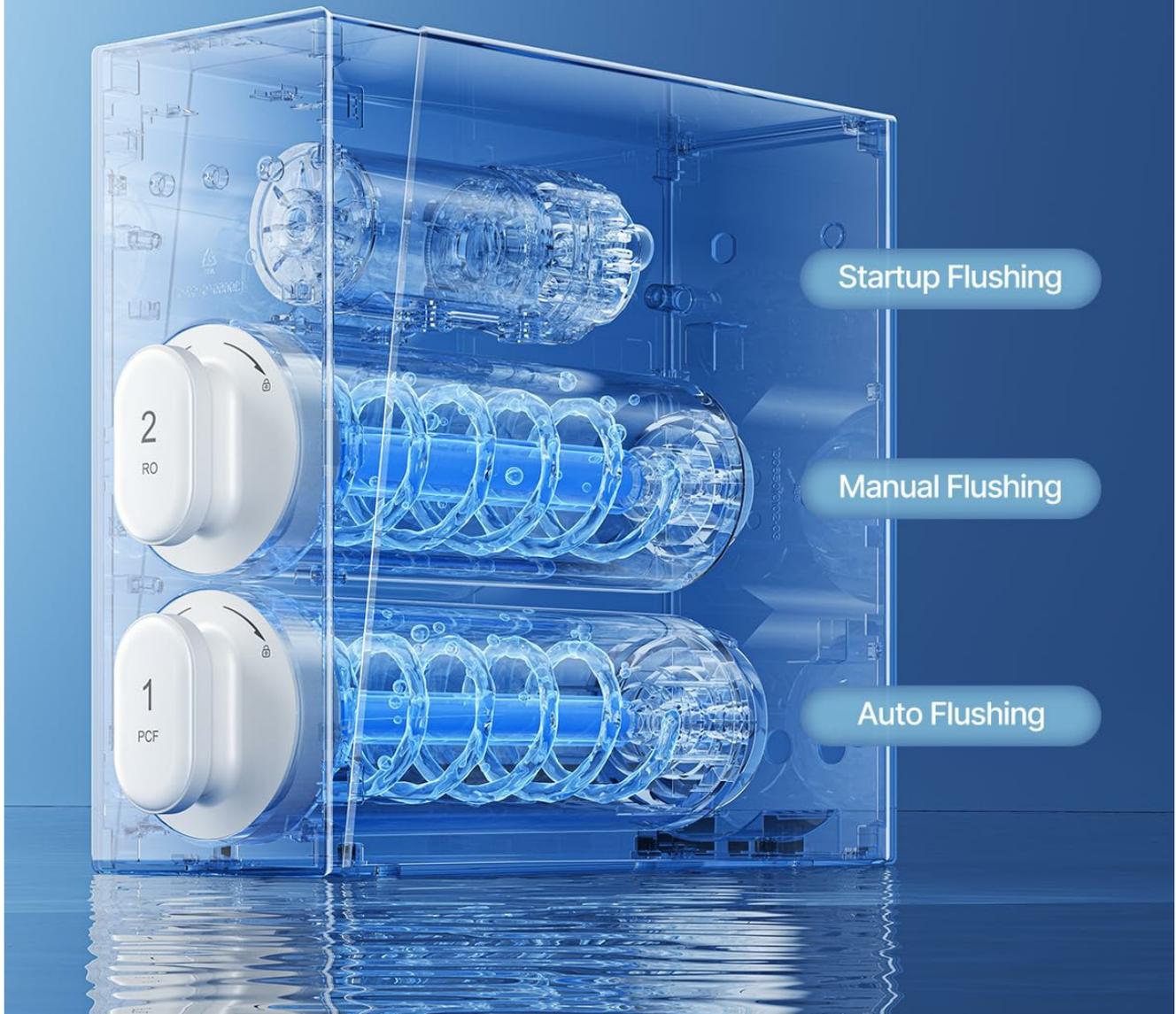


Figure 5.2: An internal view diagram illustrating the startup, manual, and auto flushing processes within the integrated water path, designed to prevent leaks.

5.3 Filter Lifetime Reminder

The system is equipped with a smart filter replacement reminder. Indicators on the unit will alert you when it's time to replace the PCF or RO filters.

Smart Filter Replacement Reminder



Figure 5.3: The VEVOR RO system displaying its power indicator and filter lifetime reminders for PCF and RO filters.

6. MAINTENANCE

Regular maintenance, primarily filter replacement, is crucial for the optimal performance and longevity of your VEVOR RO system.

6.1 Filter Replacement

The system provides immediate reminders for filter replacement. Filters are designed for easy twist-and-pull

replacement without moving the machine.

- **PCF Filter:** Replace approximately every 12 months.
- **RO Filter:** Replace approximately every 24 months.

Steps for Filter Replacement:

1. Turn off the water supply to the RO system and unplug the power adapter.
2. Twist the old filter counter-clockwise to unlock and pull it out.
3. Insert the new filter, aligning it correctly, and twist clockwise to lock it into place.
4. Plug in the power adapter and turn on the water supply.
5. Flush the new filter by running water from the RO faucet for 5-10 minutes.



Figure 6.1: Illustration of the simple twist-and-pull mechanism for replacing filters, emphasizing user-friendly maintenance.

6.2 Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your VEVOR RO system.

Problem	Possible Cause	Solution
No water flow from faucet	Water supply off, system unplugged, clogged filters, air in system.	Check water supply valve. Ensure power is connected. Replace filters if due. Flush system.

Problem	Possible Cause	Solution
Slow water flow	Low water pressure, clogged filters, air in system.	Check household water pressure. Replace filters. Flush system.
Unusual taste or odor	New filters not flushed, expired filters.	Flush new filters thoroughly. Replace filters if they are past their lifespan.
Leakage	Loose connections, damaged O-rings, incorrect filter installation.	Check all tubing connections and tighten. Ensure filters are correctly seated and locked. Inspect O-rings for damage.
Filter reminder light stays on after replacement	Reminder not reset.	Consult the system's specific instructions for resetting filter reminders (usually involves pressing and holding a button).

8. SPECIFICATIONS

Technical details for the VEVOR 400 GPD Tankless RO System, Model SS-001.

Feature	Specification
Model Number	SS-001
Purification Type	RO + PCF Ultra Filtration (8-stage)
Flow Rate	400 GPD (Gallons Per Day)
Pure to Drain Ratio	2:1
Compatible Water Source	Municipal Tap Water
Lifespan (Flow Rate)	≥ 1.0 L/min After 4000 L
Operating Temperature	41-100.4°F / 5-38°C
Operating Pressure	0.1-0.4 MPa
Item Dimensions (L x W x H)	15.63 x 5.39 x 13.66 inches / 397 x 137 x 347 mm
Item Net Weight	17.64 lbs / 7.45 kg
Power Source	Corded Electric, 110 Volt
Special Feature	Tankless Design
Material	Reverse Osmosis Membranes

8.1 Certifications and Testing

The VEVOR RO system meets NSF/ANSI 42, 53, and 372 standards, as verified by SGS and CSA testing.



Figure 8.1: Image showing SGS and CSA test reports, indicating compliance with water quality standards. A QR code is visible for report verification.

For detailed test reports, visit: [SGS Online Report](#)

9. WARRANTY AND SUPPORT

VEVOR products are built with quality and reliability in mind. For specific warranty details, please refer to the warranty card included with your product or visit the official VEVOR website.

If you encounter any issues or have questions regarding your VEVOR 400 GPD Tankless RO System, please contact VEVOR customer support. Our team is available to assist you with troubleshooting, parts replacement, and general inquiries.

Customer Support: Please refer to the contact information provided on the VEVOR official website or your product packaging.

10. PRODUCT VIDEO

Watch this official product video for a visual guide on the VEVOR 400 GPD Tankless RO System.

This video provides an overview of the VEVOR 400 GPD Tankless Reverse Osmosis System, demonstrating its features and benefits. It covers aspects such as its compact design, filtration process, and ease of use.