

Ecoviva E8

Ecoviva E8 800 GPD Reverse Osmosis Water Filter User Manual

Model: E8

1. INTRODUCTION

The Ecoviva E8 800 GPD Reverse Osmosis (RO) Water Filter System provides advanced 9-stage filtration for purified water directly from your tap. This tankless system is designed for under-sink installation, offering high-speed water delivery and real-time water quality monitoring through its smart faucet. It effectively reduces Total Dissolved Solids (TDS) and other impurities, ensuring clean and safe drinking water for your household.

Key Features:

- **9-Stage Filtration:** Comprehensive purification process.
- **800 GPD High Flow:** Delivers up to 800 gallons per day for instant, on-demand water.
- **Tankless Design:** Saves space and prevents secondary contamination.
- **Smart Faucet:** Features a real-time TDS display and filter life indicator.
- **Efficient Water Usage:** 2.5:1 pure-to-drain ratio minimizes water waste.
- **Certified Purity:** Independently tested and certified to meet NSF/ANSI 42, 58 standards for reducing various impurities.



Image: The Ecoviva E8 system installed under a kitchen sink, providing purified water to a family.

Safety Information:

- Read all instructions carefully before installation and use.
- Ensure all connections are secure to prevent leaks.
- The system requires an electrical outlet. Ensure proper grounding and avoid overloading circuits.
- Do not install the system where it may be exposed to freezing temperatures.

- Use only genuine Ecoviva replacement filters to maintain performance and warranty.

2. SETUP AND INSTALLATION

This section provides detailed instructions for installing your Ecoviva E8 RO system. Professional installation is recommended if you are not comfortable with plumbing or drilling.

Before You Begin:

- **Space Requirements:** Ensure a minimum clearance of 12.2" (H) x 5.0" (W) x 16.54" (L) under your sink. Leave 2-4 inches around pipe connections for maintenance.
- **Electrical Outlet:** An under-sink power outlet (AC110-120V/60Hz 85W) is required.
- **Water Supply:** Connects to municipal tap water.
- **Countertop Hole:** A 24-35mm hole is required for the dedicated smart faucet. A drilling guide sticker is included.
- **Included Components:** Verify all parts are present: RO System (with pre-installed PPC and RO filters), Smart Faucet, Installation Kit (tubing, fittings), User Manual.

Longer Lifespan

More Savings



0.076
dollars/gallon



Image: Compact design of the Ecoviva E8 system under a sink, highlighting its dimensions and electrical requirement.

Installation Steps:

1. **Prepare the Faucet Hole:** If a hole is not present, drill a 24-35mm hole in your countertop or sink for the smart faucet.
2. **Install the Smart Faucet:** Insert the faucet into the drilled hole and secure it from underneath the sink using the provided hardware. Connect the water lines and electrical cable from the faucet to the main RO unit.

3. **Connect Water Supply:** Turn off the cold water supply. Install the provided T-adapter to your cold water line and connect the system's input water line (usually blue) to the T-adapter.
4. **Connect Drain Line:** Attach the drain saddle to the drain pipe under your sink. Connect the system's drain line (usually red) to the drain saddle.
5. **Place the RO Unit:** Position the Ecoviva E8 unit under the sink, ensuring it is level and has adequate clearance.
6. **Connect Power:** Plug the RO system into a grounded electrical outlet.
7. **Initial Flush:** Turn on the cold water supply. Open the smart faucet and let the water run for approximately 30 minutes to flush the system and new filters. This removes air and carbon fines.

Your browser does not support the video tag.

Video: Official installation guide for the Ecoviva E6 & E8 RO System, demonstrating the setup process.

Your browser does not support the video tag.

Video: An installation video demonstrating the setup of the Ecoviva RO system.

3. OPERATING INSTRUCTIONS

The Ecoviva E8 system is designed for simple operation, providing purified water on demand.

Dispensing Water:

- Simply turn the handle on the smart faucet to dispense purified water.
- The system delivers water at a high flow rate of up to 0.53 gallons per minute (GPM), filling containers quickly.

Fills in a Flash



Image: The smart faucet demonstrating its high flow rate by filling various containers rapidly.

Smart Faucet Display:

The integrated LED smart faucet provides real-time information about your water quality and filter status.

- **Real-Time TDS Monitor:** The display shows the current TDS (Total Dissolved Solids) level of the filtered water. A lower TDS reading indicates higher water purity.
- **Filter Life Reminder:** The faucet will indicate the status of your PPC and RO filters, reminding you when it's time for

replacement.

Smart Faucet with Filter Life Indicator



Image: The smart faucet's display showing real-time TDS levels and filter life status.

4. MAINTENANCE

Regular maintenance, primarily filter replacement, ensures optimal performance and water quality from your Ecoviva E8 system.

Filter Replacement:

The Ecoviva E8 uses two main filters: the PPC (Pre-Carbon Block & PP Cotton) filter and the RO (Reverse Osmosis Membrane & Carbon Block & PP Cotton) filter. The smart faucet will indicate when replacement is needed.

- **PPC Filter Life:** Approximately 12 months.
- **RO Filter Life:** Approximately 24 months.

The Reasons Ecoviva Earn Your Trust

ecoVIVA



Other



Filtration

✓ **9-stage**

✗ 5-stage

Daily Cost

✓ **0.2 dollars**

✗ 0.3 dollars

Capacity

✓ **800GPD**

✗ 200GPD

Pure to Drain

✓ **2.5:1**

✗ 1:1

Size

✓ **Compact**

✗ Space Consuming

Image: Ecoviva PPC and RO filters with their respective lifespans.

Steps for Filter Replacement:

1. Turn off the water supply to the RO system.
2. Unplug the power cord from the electrical outlet.
3. Locate the filter(s) to be replaced. The filters are designed for tool-free replacement.

4. Twist the old filter counter-clockwise and pull it out.
5. Insert the new filter, aligning it correctly, and twist clockwise until it locks into place.
6. Plug in the power cord and turn on the water supply.
7. Flush the new filter by running water from the smart faucet for 5-10 minutes.

Compact Design

Save 80% Space



Image: Simple filter replacement process, showing a hand twisting out a filter.

Self-Cleaning Feature:

The Ecoviva E8 system includes an automatic self-cleaning function to maintain optimal membrane performance and extend filter life.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Ecoviva E8 RO system. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
No water from faucet	Water supply off, power off, clogged filters, faucet not connected properly.	Check water supply valve. Ensure unit is plugged in. Check filter status on smart faucet and replace if needed. Ensure smart faucet is securely connected to the main unit.
Low water flow	Clogged filters, low incoming water pressure.	Replace filters. Ensure adequate incoming water pressure (refer to specifications).
High TDS reading	RO filter needs replacement, system not flushed properly.	Check RO filter status on smart faucet and replace if indicated. Ensure initial flush was completed for 30 minutes.
Leakage	Loose connections, damaged O-rings or tubing.	Tighten all connections. Inspect O-rings and tubing for damage and replace if necessary.
System not making water (faucet feedback needed)	Smart faucet not properly connected or communicating with the main unit.	Ensure the smart faucet's electronic connection to the main unit is secure. The system requires electronic feedback from the spigot to operate.

Q: Will this under-sink unit fit in my cabinet?

A: Please ensure a minimum clearance of 12.2" (H) x 15.6" (D) x 5.0" (W). Leave 2-4 inches around the pipe connections for proper installation and maintenance. If you have a garbage disposal installed, please check the pipe routing carefully. Not sure? Send us your cabinet dimensions and we'll help you confirm.

Q: Does this RO system require electricity?

A: Yes. It needs a power outlet under the sink. Please check whether the plug can share an outlet with your garbage disposal or dishwasher.

Q: Is drilling required for installation?

A: Yes. Typically:

- 1/4" (6-7 mm) hole for the drain line
- 29 mm hole for the RO faucet (if not pre-drilled)

A drilling guide sticker is included. If you're unsure about your faucet hole size, please contact us.

Q: Can I use my own faucet?

A: No. The system comes with a dedicated smart faucet. Using a non-original faucet may cause communication errors between the unit and the faucet.

Q: Does the package include all installation parts?

A: Yes. All necessary tubing, fittings, and the faucet are included. If anything is missing or damaged during transport, we will replace it for free.

Image: FAQ section providing answers to common product inquiries.

6. SPECIFICATIONS

Detailed technical specifications for the Ecoviva E8 800 GPD Reverse Osmosis Water Filter System.

Feature	Specification
Model Number	E8
Filtration Stages	9-Stage
RO Membrane Accuracy	0.0001 µm
Daily Production Capacity	800 GPD (Gallons Per Day)
Maximum Flow Rate	0.53 GPM (Gallons Per Minute)
Pure to Drain Ratio	2.5:1
Product Dimensions (L x W x H)	16.54" x 5.00" x 12.20"
System Weight	18.3 pounds
Power Source	Corded Electric AC110-120V/60Hz 85W
Installation Type	Under Sink
PPC Filter Life Cycle	12 months
RO Filter Life Cycle	24 months
Supported Water TDS Level Maximum	900 PPM
Operating Temperature Range	41 °F - 100.4 °F (5 °C - 38 °C)
Included Components	RO System (pre-installed RO & PPC filter), Faucet, Installation Kit, User Manual

Pure Water for All Your Home Needs



Washing Fruits



Daily Drinking



Cooking

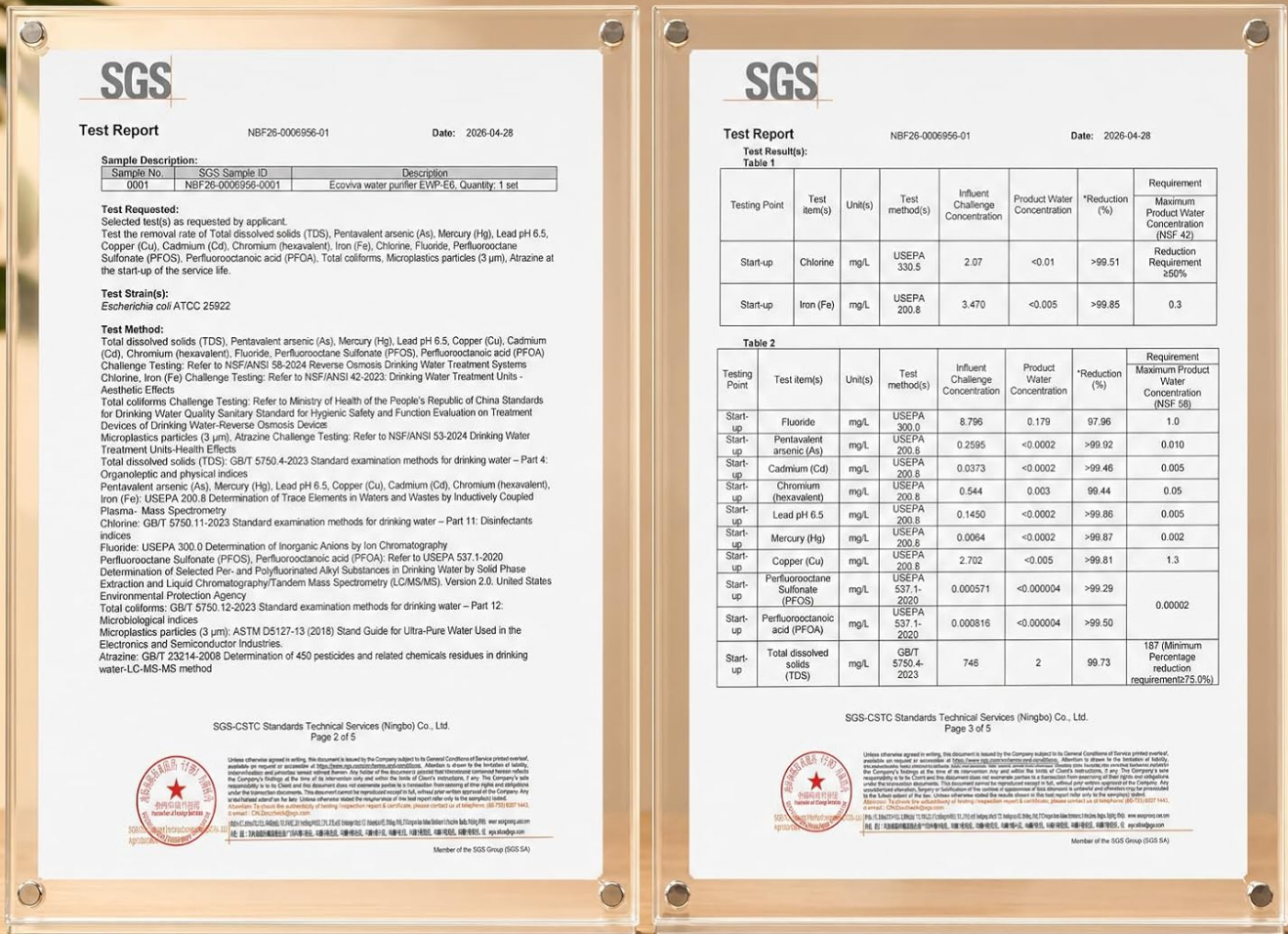


**Preparing
Baby Formula**

Image: Diagram of the 9-stage filtration process, highlighting the RO membrane.

Lead-free, No PFAS/PFOS/PFOA

The safety of drinking water is our top priority.



SGS report number: NBF26-0006956-01

Sample other information: Ecoviva water purifier EWP-E8

Image: SGS test report confirming the system's compliance with NSF/ANSI standards for impurity reduction. For the full report, visit [SGS Online](#).

7. WARRANTY AND SUPPORT

Ecoviva is committed to providing reliable products and excellent customer service.

Warranty Information:

The Ecoviva E8 tankless reverse osmosis water filter comes with a **5-year warranty** for the machine (excluding filters and mineralization media). This warranty covers manufacturing defects and malfunctions under normal use.

Customer Support:

For any product problems, technical assistance, or questions regarding filter replacements, please contact Ecoviva customer support. A solution will be provided within 24 hours.

- **Support Channels:** Email, Online Chat, Apps Online Chat.
- **Supported Languages:** English.
- **Hours of Operation:** Weekdays 9:00 AM - 6:00 PM EST.
- **Repair Center:** 181 Solstice Drive, Haw River, NC 27258, United States.

AMZ Product Lifecycle Support Online Chating






AMZ Product Lifecycle Support Online Chating



Email reply



Apps Online chating

Support local work colleagues' phone answering
Supported languages: **English**
Hours of operation/time zone: **Weekdays 09:00-18:00 hrs EST**




Our solutions will meet your satisfaction!

Image: Ecoviva customer support team and available contact methods.

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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.

Name

Anonymous

Email

you@example.com

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