NU Aqua VN-CTRO-AMB

NU Aqua 8-Stage Countertop RO Water Filter System with UV

Model: VN-CTRO-AMB

1. Introduction

Product Overview

The NU Aqua 8-Stage Countertop Reverse Osmosis Water Filter System with UV provides purified water through an advanced filtration process. This system is designed for ease of use and maintenance, featuring a smart touch display, multiple cup size options, and automatic filter replacement reminders. Its compact design allows for versatile placement in various environments.



Image: The NU Aqua 8-Stage Countertop RO Water Filter System, showcasing its sleek design and compact footprint on a kitchen counter.

Filtration Stages

This system employs an 8-stage filtration process to ensure water purity:

1. **Stainless Steel in Reservoir:** Initial contact point for raw water.
2. **Mesh Filter:** Removes larger particles.
3. **Sediment Filter:** Further removes sediment and suspended solids.
4. **Mesh Filter:** Additional particle removal.
5. **Carbon Filter:** Reduces chlorine, odors, VOCs, and improves taste.
6. **Mesh Filter:** Fine particle filtration.
7. **RO Membrane:** Removes up to 99.99% of total dissolved solids (TDS), heavy metals, salts, PFAS, nitrates, and fluoride.
8. **UV-C Treatment:** Provides ultraviolet sterilization to eliminate microorganisms.

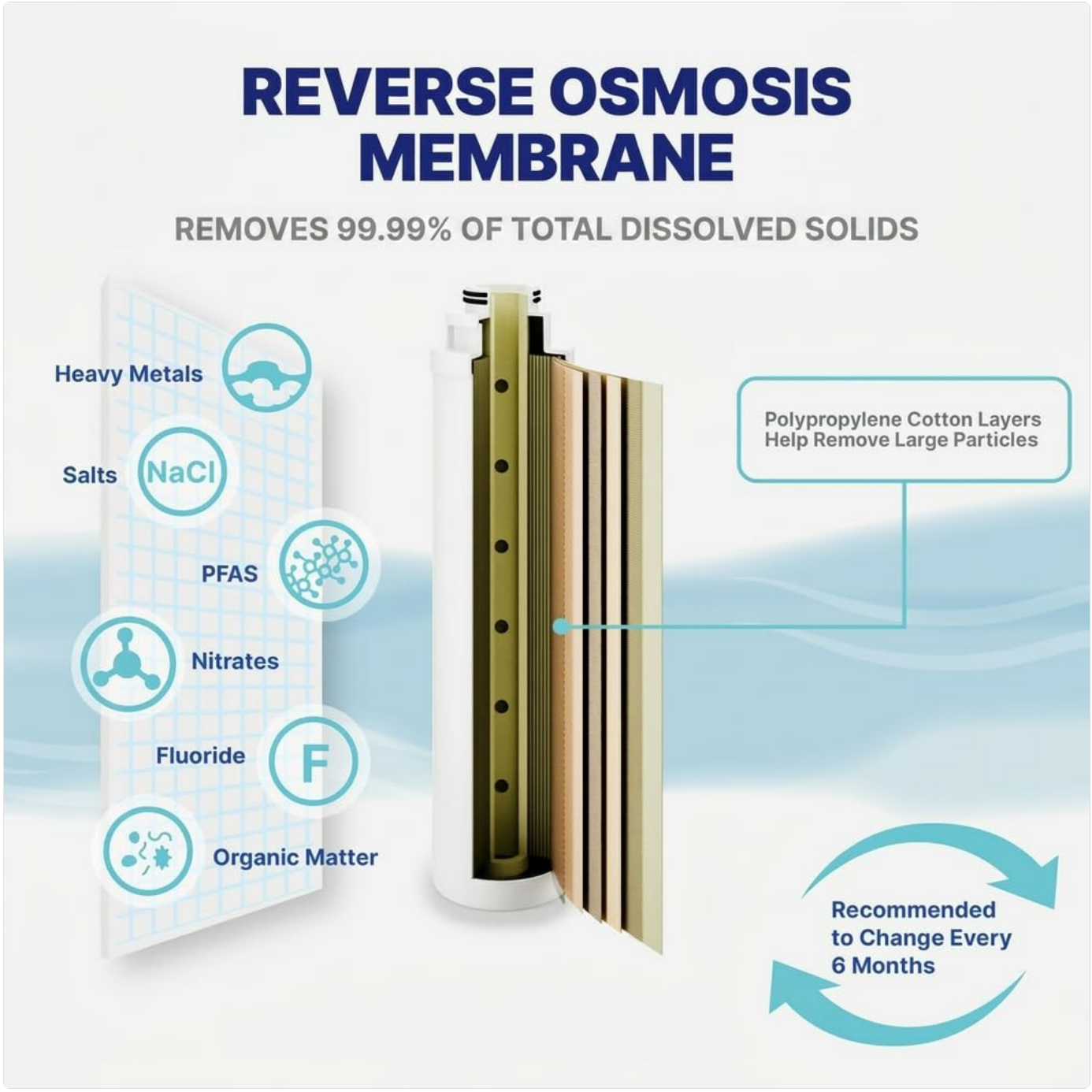


Image: A visual representation of the 8-stage filtration process, detailing each layer from stainless steel to UV-C treatment.

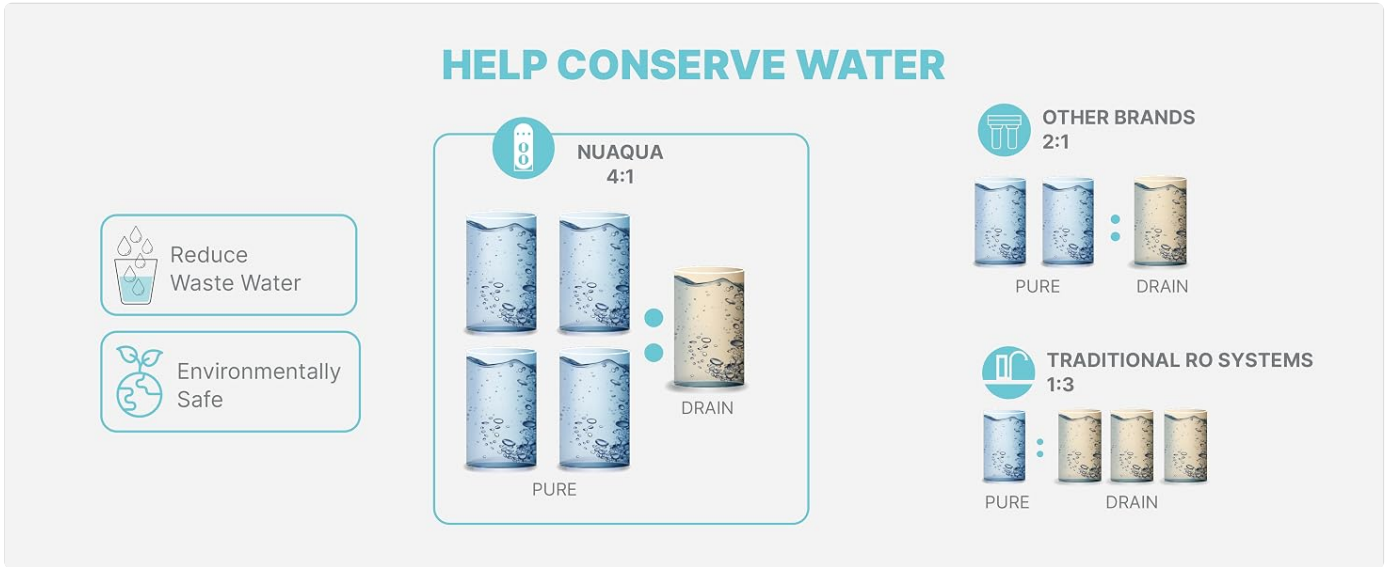


Image: Examples of suitable locations for the portable countertop water filter, including home kitchens, apartments, RVs, and offices.

2. Setup

Unpacking and Placement

- Carefully remove all components from the packaging.
- Place the system on a flat, stable surface. Ensure adequate clearance around the unit for ventilation and access to the water tank.
- No plumbing installation is required.

Initial Use

1. Remove the raw water tank from the back of the unit.
2. Fill the raw water tank with tap water. Do not exceed the maximum fill line.
3. Place the filled tank back into the unit securely.
4. Plug the power cord into a standard electrical outlet.
5. The system will initiate a self-flushing cycle automatically. Allow this cycle to complete before dispensing water.



Image: A visual guide demonstrating the simple, tool-free filter installation process, highlighting the plug-and-play nature of the system.

3. Operating Instructions

Control Panel Overview

The system features a smart touch display for intuitive control:

- **Water Quality Indicator:** Displays the current water quality (TDS levels).
- **Filter Replacement Reminder:** Alerts when filters need changing.
- **Low Water Level Indicator:** Notifies when the raw water tank is low.
- **UV Functioning Status:** Indicates if the UV-C sterilization is active.
- **Quick Touch Auto Flushing:** Initiates a flushing cycle.
- **Filter Change Reset Button:** Resets filter life indicators after replacement.
- **Multiple Cup Sizes:** Allows selection of preset dispensing volumes.
- **Simple One Touch Water Dispensing:** Starts and stops water flow.



Image: Close-up of the smart touch display, highlighting indicators for water quality, filter replacement, UV status, and dispensing controls.

Dispensing Water

1. Ensure the raw water tank is filled.
2. Place a cup or container under the dispenser spout.
3. Select the desired water volume using the 'Water Volume' button (e.g., 4 oz, 8 oz, 12 oz, 16 oz).
4. Press the 'Dispense' button to start the water flow.
5. The system will automatically stop once the selected volume is dispensed. To stop dispensing manually, press the 'Dispense' button again.

4. Maintenance

Filter Replacement

The system will indicate when filters require replacement. Filter changes are tool-free and designed for simplicity.

1. Unplug the unit from the power outlet.
2. Open the filter compartment cover.
3. Twist the old filter counter-clockwise to unlock and pull it out.
4. Insert the new filter, aligning the arrows, and twist clockwise to lock it into place.
5. Close the filter compartment cover.
6. Plug the unit back in. Press and hold the 'Filter Change Reset' button until the indicator resets.



Image: Detailed view of the Sediment + Carbon PPC filter, which removes bad taste, odors, chlorine, VOCs, rust, and sediment.



Image: Detailed view of the Reverse Osmosis Membrane filter, responsible for removing heavy metals, salts, PFAS, nitrates, fluoride, and organic matter.

Automatic Flushing

The system features a self-flushing function that automatically cleans the internal components daily to prevent mineral buildup and maintain filter efficiency. This process helps prolong the lifespan of the filters and ensures consistent water quality.



Image: Illustration showing the extra-large 1.3-gallon tank capacity and the internal water flow, emphasizing daily auto-cleaning to remove dissolved solids.

Cleaning

- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners.
- Periodically clean the raw water tank and the drip tray with mild soap and water. Rinse thoroughly before reassembling.

5. Troubleshooting

Issue	Possible Cause	Solution

Issue	Possible Cause	Solution
No water dispensed	Raw water tank empty; Power not connected; System in flushing cycle	Refill raw water tank; Check power connection; Wait for flushing cycle to complete
Slow water flow	Clogged filters; Low water pressure in tank	Replace filters; Ensure raw water tank is adequately filled
Unusual taste/odor	Filters need replacement; Initial use (new filter taste)	Replace filters; Dispense and discard a few tanks of water during initial setup
Filter replacement indicator active after changing filters	Indicator not reset	Press and hold the 'Filter Change Reset' button until the indicator clears
UV indicator off	UV lamp malfunction; System not operating	Contact customer support; Ensure system is powered on and dispensing

6. Specifications

Feature	Detail
Brand	NU Aqua
Model Name	VN-CTRO-AMB
Product Dimensions (L x W x H)	31" x 7" x 31"
Item Weight	10 Pounds
Material	Plastic
Capacity	1.3 Gallons
Installation Type	Countertop
Purification Method	Reverse Osmosis
Power Source	Corded Electric
Special Features	Change Filter Indicator, Reduce TDS, Self Cleaning, Touch Display
Lower Temperature Range	41 Degrees Fahrenheit
Maximum Flow Rate	0.26 Liters Per Minute
Supported Water TDS Level Maximum	300 PPM
Included Components	Countertop RO System, Pre-Installed Sed+PPC Filters

7. Warranty Information

This product is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Retain your proof of purchase for any warranty claims.

8. Customer Support

For technical assistance, replacement parts, or any questions regarding your NU Aqua 8-Stage Countertop RO Water Filter System, please contact NU Aqua customer support. Contact details can typically be found on the manufacturer's website or on the product packaging.

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

Answered questions about this manual

For the NU Aqua VN-CTRO-AMB 8-Stage Countertop RO System, where does the flushed water go, and how does the flushing process work?

For the NU Aqua VN-CTRO-AMB, the flushing process is an internal maintenance cycle designed to clean the filters and prevent mineral buildup. Here is how it works and where the water goes:Where the water...

Read full answer