

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [NU Aqua](#) /

> [NU Aqua Polypropylene Tankless Water Purification Unit User Manual](#)

NU Aqua Efficiency

NU Aqua Polypropylene Tankless Water Purification Unit User Manual

Model: Efficiency

1. PRODUCT OVERVIEW

The NU Aqua Polypropylene Tankless Water Purification Unit is designed to provide clean, purified drinking water directly from your faucet. This advanced tankless reverse osmosis system offers high capacity and efficient filtration for both residential and small business use.

Key features include:

- **Tankless Design:** Provides on-demand purified water without the need for a bulky storage tank, saving space.
- **High Capacity:** Capable of producing up to 600 gallons per day, suitable for large households or small commercial applications.
- **Multi-Stage Filtration:** Utilizes a comprehensive filtration process including polypropylene, granular activated carbon, and a reverse osmosis membrane to remove impurities.
- **Easy Maintenance:** Features easily replaceable cartridges for simplified filter changes.
- **Durable Construction:** Built with robust polypropylene plastic for long-lasting performance.



Figure 1: The NU Aqua Tankless Water Purification Unit shown with its accompanying faucet, illustrating its compact design.

2. COMPONENTS INCLUDED

Before beginning installation, ensure all components listed below are present in your package.



Figure 2: A visual representation of all parts included in the package. This includes the main RO system unit, Stage 1, 2, and 3 filters, a dedicated faucet, power supply, feed water adapter, drain saddle, 1/4" quick connect fittings, retainer clips, and tubing.

- Main RO System Unit
- Stage 1 Filter (Polypropylene & Carbon Block)
- Stage 2 Filter (Granular Activated Carbon)
- Stage 3 Filter (RO Membrane)
- Dedicated Faucet
- Power Supply
- Feed Water Adapter
- Drain Saddle
- 1/4" Quick Connect Fittings
- Retainer Clips
- Tubing

3. SETUP AND INSTALLATION

The NU Aqua Tankless Water Purification Unit is designed for under-sink installation. Follow these general steps for setup. Refer to the detailed installation guide provided with your unit for specific instructions and safety precautions.

1. **Prepare the Installation Area:** Ensure sufficient space under your sink for the unit and access for maintenance. Turn off the cold water supply to the sink.
2. **Install the Faucet:** Drill a hole in your countertop or sink for the dedicated faucet, if one is not already present. Secure the faucet according to the instructions.

3. **Connect to Cold Water Supply:** Install the feed water adapter to your cold water line. Connect the appropriate tubing from the adapter to the RO system unit.
4. **Install Drain Saddle:** Attach the drain saddle to the drain pipe under your sink. Connect the drain line from the RO system to the drain saddle.
5. **Connect Faucet Line:** Connect the purified water line from the RO system to the dedicated faucet.
6. **Insert Filters:** Carefully insert the Stage 1, 2, and 3 filters into their respective slots in the main unit. Ensure they are securely locked in place.
7. **Connect Power:** Plug the power supply into the unit and then into a standard electrical outlet.
8. **Flush the System:** Turn on the cold water supply. Open the RO faucet and allow water to run for a specified period (e.g., 15-30 minutes) to flush the system and remove any carbon fines or air.



Figure 3: The compact NU Aqua unit neatly installed under a kitchen sink, demonstrating its space-saving design and typical plumbing connections.



Figure 4: This image highlights the user-friendly aspects of the system, including a filter life reminder, the ease of changing filters with a simple twist, and the five straightforward connections for installation.

4. OPERATING INSTRUCTIONS

Once installed and flushed, operating your NU Aqua Tankless Water Purification Unit is straightforward.

- **Dispensing Water:** To obtain purified water, simply open the dedicated RO faucet. The tankless system will begin producing water on demand.
- **Flow Rate:** The system provides a continuous flow of purified water at a rate suitable for drinking and cooking needs.
- **Indicator Lights:** The unit may feature indicator lights on its top panel to show system status or filter life. Refer to the unit's specific indicators for details.



Figure 5: A detailed view of the end of a filter cartridge, showing the connection points that ensure proper seating and sealing within the unit.

5. MAINTENANCE

Regular maintenance, primarily filter replacement, is crucial for the optimal performance and longevity of your water purification unit.

5.1 Filter Replacement

The system features a filter life reminder and easy-change filters. Filter replacement typically takes less than one minute and requires no tools.

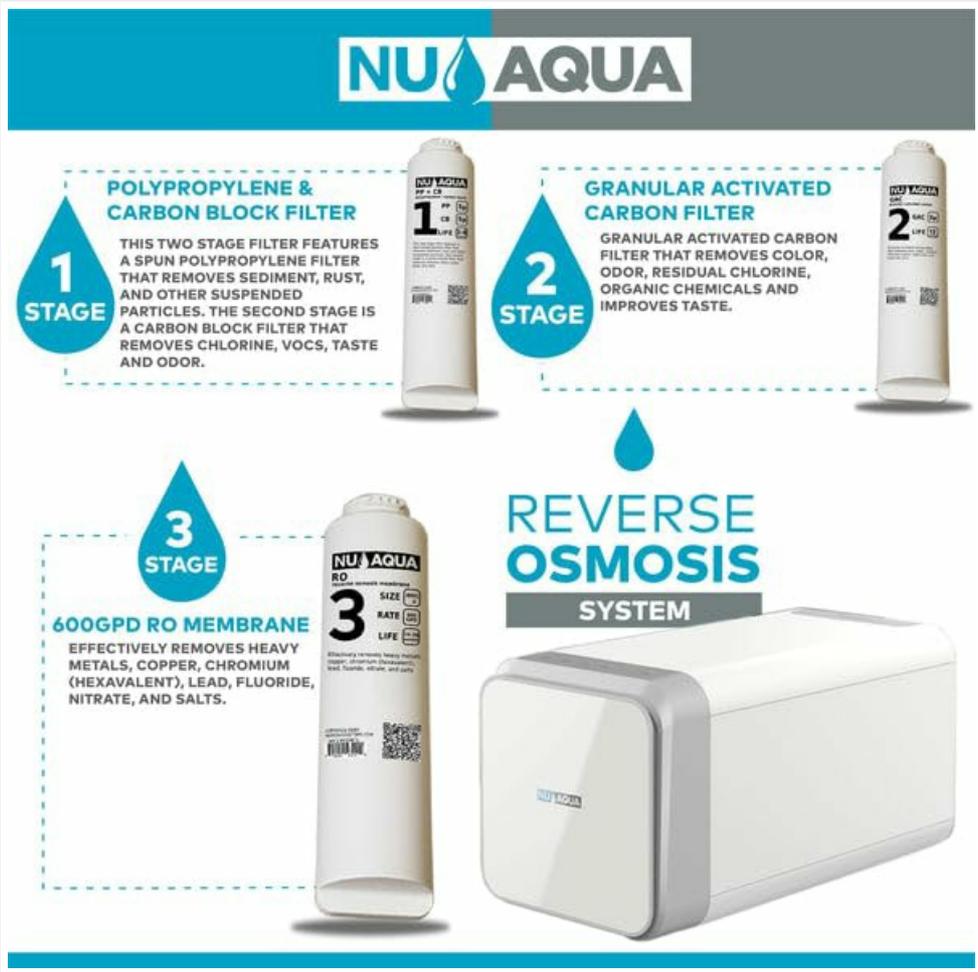


Figure 6: This diagram details the three filtration stages: Stage 1 (Polypropylene & Carbon Block) for sediment, rust, and chlorine; Stage 2 (Granular Activated Carbon) for odor, residual chlorine, and taste improvement; and Stage 3 (600GPD RO Membrane) for heavy metals, fluoride, and salts.



Figure 7: A top-down view of the main unit, clearly showing the three designated slots for filter insertion, labeled 1, 2, and 3.

Recommended Filter Change Intervals:

- **Stage 1 & 2 Filters:** Typically every 6-12 months, depending on water quality and usage.
- **Stage 3 RO Membrane:** Approximately every 24-36 months, depending on water quality and usage.

Procedure for Filter Change:

1. Turn off the water supply to the unit.
2. Unplug the power supply.
3. Twist and pull out the old filter cartridge from its slot.
4. Insert the new filter cartridge, aligning it correctly, and twist to lock it into place.
5. Plug in the power supply and turn on the water supply.
6. Flush the new filter(s) by running water through the faucet for a few minutes as per the initial setup instructions.
7. Reset the filter life reminder on the unit, if applicable.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your water purification unit.

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No water flow or very slow flow	Water supply turned off Clogged filters Low water pressure Kinked tubing	Ensure water supply valve is fully open. Replace pre-filters (Stage 1 & 2) or RO membrane (Stage 3). Check household water pressure; the unit has a booster pump for low pressure. Inspect all tubing for kinks or blockages.
Poor water taste or odor	Expired carbon filters New system not flushed adequately	Replace Stage 2 (Granular Activated Carbon) filter. Flush the system for a longer period (e.g., 30-60 minutes).
Water leakage	Loose connections Improperly seated filters Damaged O-rings or fittings	Check all quick connect fittings and ensure they are fully seated and secured with retainer clips. Ensure filters are properly inserted and twisted to lock. Inspect O-rings and fittings for damage and replace if necessary.

If you encounter issues not listed here or require further assistance, please contact NU Aqua customer support.

7. SPECIFICATIONS

Attribute	Detail
Brand	NU Aqua
Model Name	Efficiency
Special Feature	Tankless
Package Information	Cartridge
UPC	666714339999
Manufacturer	NU Aqua
Capacity	600 Gallons Per Day (GPD)
Filtration Stages	3 (Polypropylene & Carbon Block, Granular Activated Carbon, RO Membrane)
Material	Polypropylene Plastic

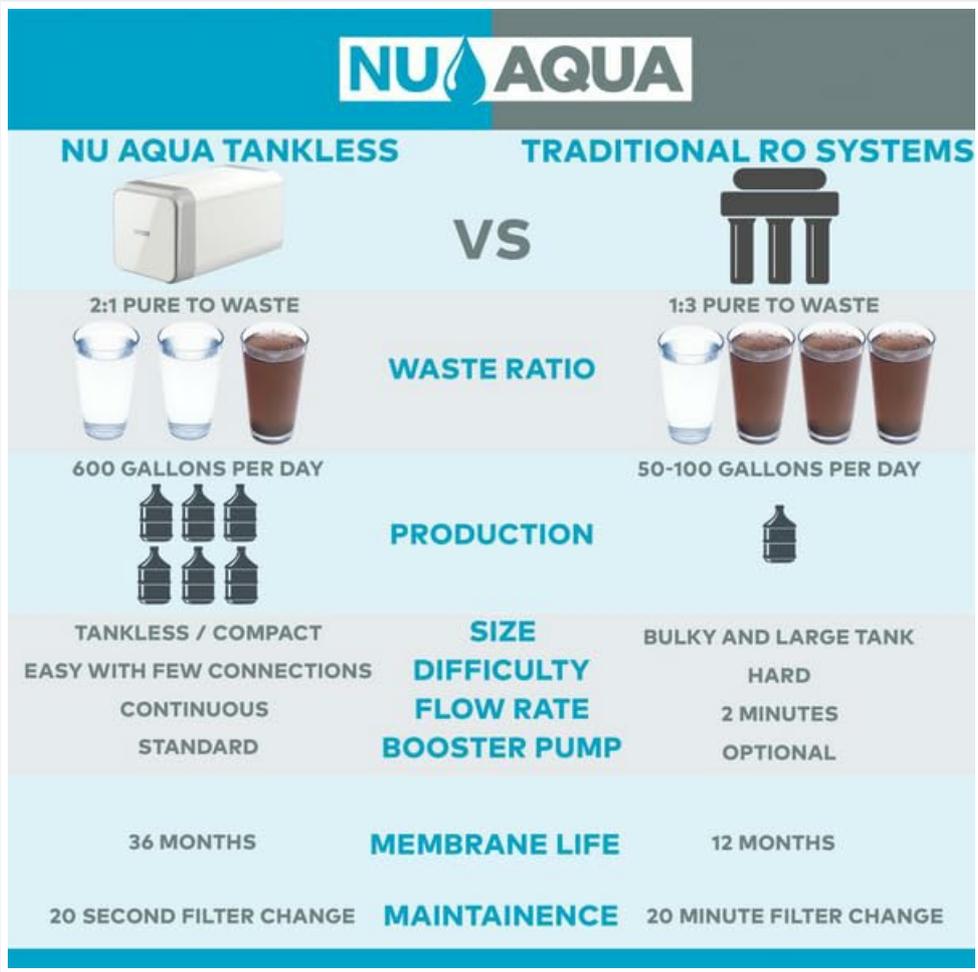


Figure 8: A comparative chart highlighting the advantages of the NU Aqua Tankless system over traditional RO systems, including waste ratio, production capacity, size, ease of installation, flow rate, booster pump, membrane life, and maintenance time.



Figure 9: An exploded view diagram showcasing the internal design elements such as integrated water channels, ultra-silent booster pump, locking filter design, internal channel filter design, and spring locking filter, all contributing to efficiency and ease of use.

8. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or to purchase replacement filters, please refer to the official NU Aqua website or contact their customer service department directly. Contact details are typically found on the product packaging or the manufacturer's official online resources.

NU Aqua Official Store: [Visit the NU Aqua Store on Amazon](#)