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Suiysuim N2-S

Suiysuim N2-S 800 GPD Tankless Reverse Osmosis System User Manual

Model: N2-S | Brand: Suiysuim

1. Product Overview

The Suiysuim N2-S is an advanced 800 GPD tankless reverse osmosis (RO) water filtration system designed for under-sink installation. It provides comprehensive 6-stage water purification, offering both purified RO water and oxygen-rich microbubble water. This system is engineered for high flow rates, water-saving efficiency, and ease of use, ensuring fresh, clean water on demand.



Image 1.1: The Suiysuim N2-S system highlighting its tankless design and features such as easy installation, 6-stage filtration, auto-flush, microbubble function, space-saving design, and quiet operation.



Image 1.2: Key benefits of the Suiysuim N2-S system, including its 800 GPD capacity, 2:1 pure-to-drain ratio, instant water delivery, microbubble feature, compact size, and simple installation.

2. Product Features

- **Compact Design & Dual Outlets:** Space-saving body (14 × 4.7 × 12 inch) fits under most sinks. Offers two water options: RO purified water for drinking and microbubble water for rinsing.
- **800 GPD Fast Flow & 2:1 Water-Saving Efficiency:** Delivers 8oz of RO water in 7 seconds. Features a 2:1 pure-to-drain ratio, reducing wastewater significantly compared to traditional RO systems.
- **Advanced 6-Stage Filtration:** Combines a 5-in-1 composite filter with a 0.0001μm RO membrane. Reduces TDS, PFOA, PFOS, chlorine, fluoride, heavy metals, and other impurities. Components are NSF/ANSI 42 certified.
- **Oxygen-Rich Micro-Nano Bubble Water:** Generates ultrafine gas bubbles that boost dissolved oxygen and increase water's surface activity for enhanced cleaning. Ideal for daily cleaning, gentle on skin, and reduces detergent use.
- **Zero Stale Water with Fresh First Cup Guarantee:** Tankless design filters water on demand. Automatic pre-flush and standby rinse cycles prevent stagnant water buildup, ensuring fresh-tasting water every time.

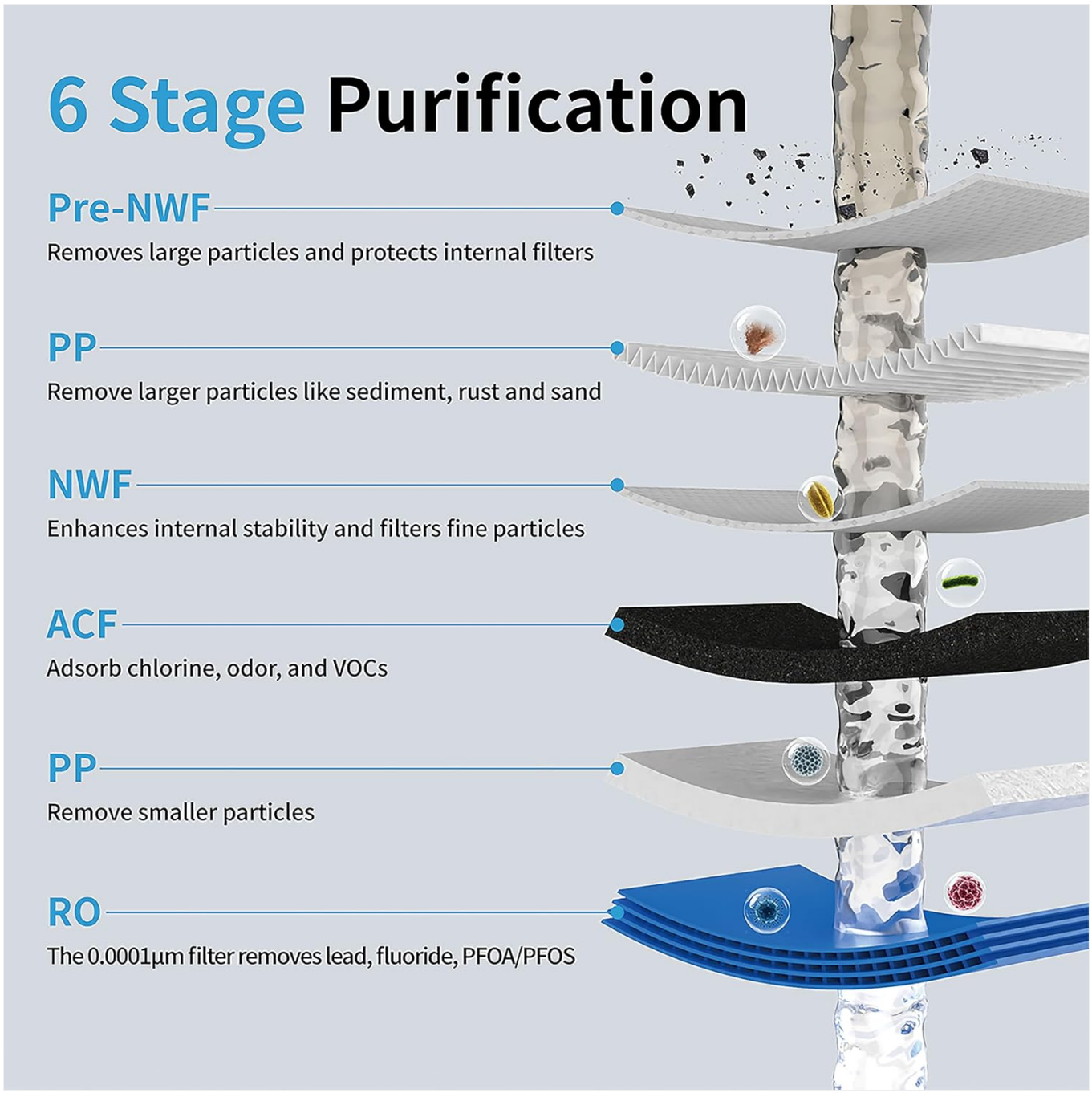


Image 2.1: Detailed breakdown of the 6-stage purification process, including Pre-NWF, PP, NWF, ACF, PP, and RO filters, and what each stage removes.



Image 2.2: The system's fast flow rate, demonstrating an 8oz glass filling in 7 seconds, and the microbubble water output from the secondary faucet.



Image 2.3: The application of oxygen-rich micro-nano bubble water for superior cleaning, highlighting its deep cleaning power, skin-friendly rinse, eco-smart water use, and safer produce washing.

3. Setup and Installation

The Suiysuim N2-S system is designed for quick DIY installation without the need for a professional plumber. Please follow these guidelines for proper setup.

3.1 Pre-Installation Requirements

- **Under-Sink Space:** Ensure sufficient space under the sink for the main unit (14 × 4.7 × 12 inches).
- **Power Source:** A continuous power supply is required under the sink.
- **Faucet & Holes:** Drill a hole (Ø ≈ 1.3 inches) at least 2.4 inches away from the wall. Ensure at least 16 inches of vertical clearance above the countertop for the faucet.

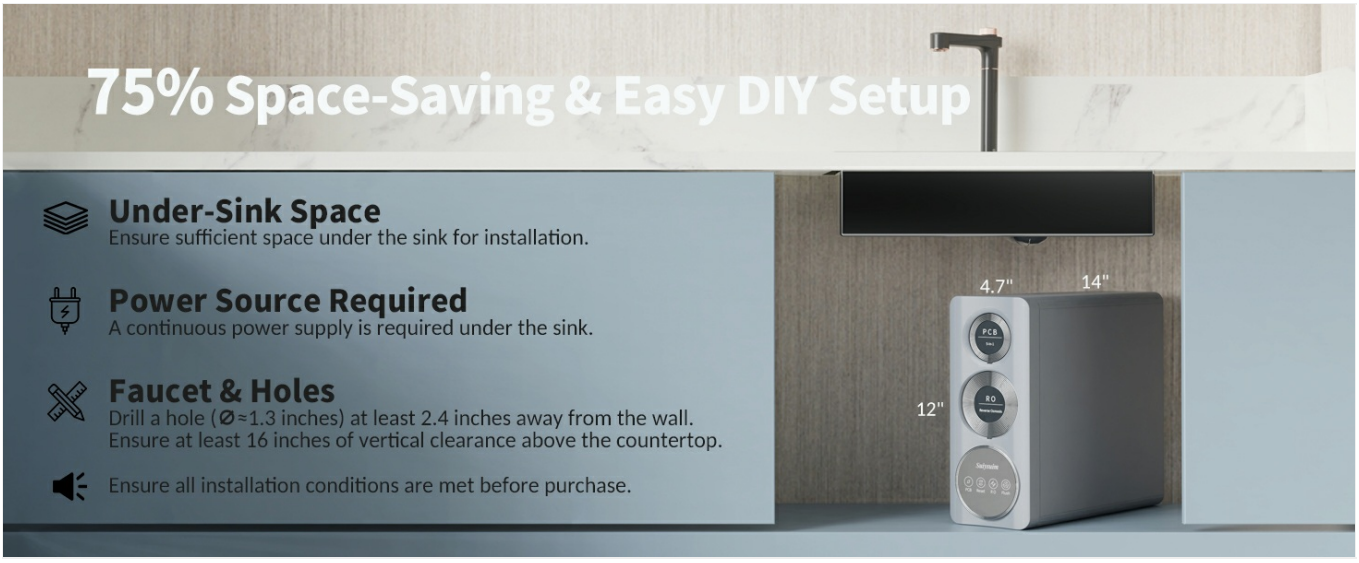


Image 3.1: Visual guide to pre-installation checks, including space requirements, power needs, and faucet drilling specifications.

3.2 Installation Steps

Connect the system components as illustrated in the diagram below. Ensure all connections are secure to prevent leaks.

1. Install the water faucet on the countertop.
2. Connect the tap water supply to the Feed Water Adapter.
3. Connect the Input Water Tubing from the Feed Water Adapter to the main RO unit.
4. Connect the RO Water Tubing from the main unit to the RO faucet outlet.
5. Connect the MB Water Tubing (Microbubble) from the main unit to the microbubble faucet outlet.
6. Install the Drain Saddle and connect the Waste Water Tubing from the main unit to the drain.
7. Plug in the power adapter.

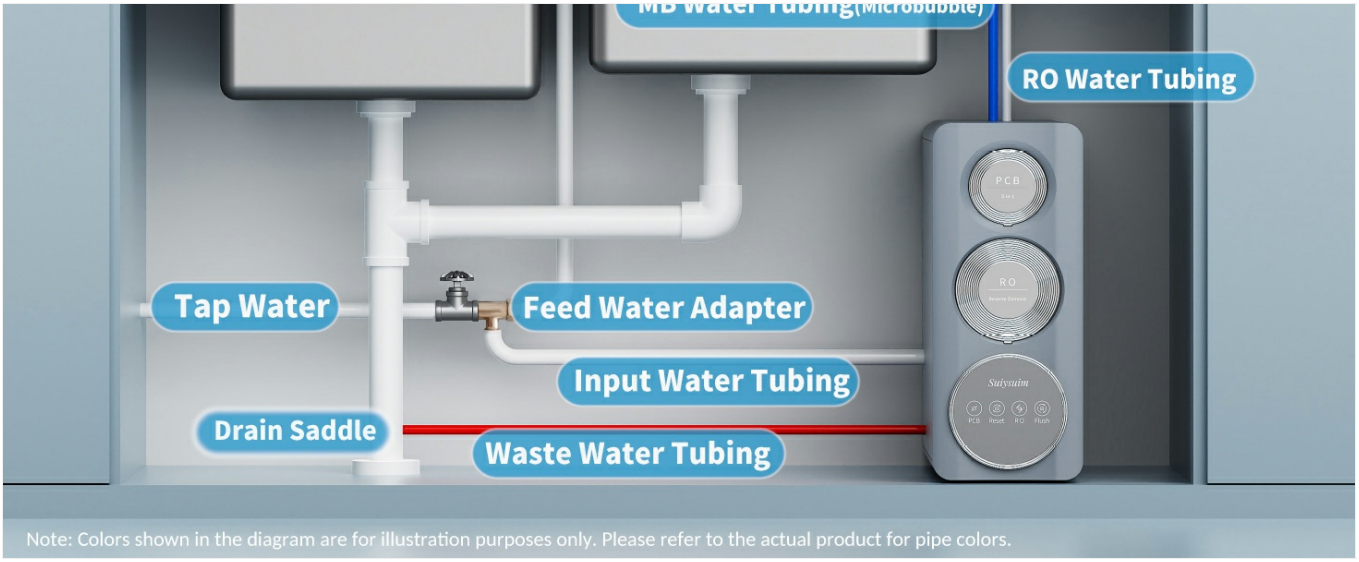


Image 3.2: Comprehensive installation diagram showing all tubing connections and components for the Suiysuim N2-S system. Note: Colors shown are for illustration purposes only; refer to actual product for pipe colors.

4. Operating Instructions

The Suiysuim N2-S system is designed for intuitive operation, providing fresh water on demand and microbubble water for cleaning.

4.1 Initial Use

After installation, open the water supply and allow the system to run for approximately 15-30 minutes to flush out any air and initial carbon fines. This ensures optimal water quality for first use.

4.2 Water Dispensing

- **RO Purified Water:** Turn the RO faucet handle to dispense purified drinking water.
- **Microbubble Water:** Turn the microbubble faucet handle to dispense oxygen-rich microbubble water for washing and cleaning.

4.3 Control Panel Functions



Image 4.1: The system's control panel, detailing the functions of the PCB, Reset, RO, and Flush buttons, along with filter life indicators.

- **PCB Filter Life Indicator:** Shows the remaining life of the PCB composite filter.
- **RO Filter Life Indicator:** Shows the remaining life of the RO membrane filter.
- **Reset Button:** Used to reset filter life indicators after filter replacement.
- **Flush Button:** Initiates a manual flush cycle to clean the internal system and prevent stale water buildup. The system also performs automatic pre-flush and standby rinse cycles.



Image 4.2: Illustration of the 'Zero Stale Water Design' and auto-flush mechanism, ensuring fresh water on demand and cleaner internals.



Image 4.3: Examples of how oxygen-rich micro-nano bubble water can be used for deep cleaning of produce and dishes, and for gentle skin care.

5. Maintenance

Regular filter replacement is crucial for maintaining the performance and water quality of your Suiysuim N2-S system.

5.1 Filter Replacement

The system features an easy 1-second filter replacement design. Filter change alerts will notify you when it's time to replace them.



Image 5.1: Instructions for easy filter replacement, highlighting the simple press-and-replace mechanism.

- **PCB Composite Filter:** Recommended replacement every 12 months.
- **RO Membrane Filter:** Recommended replacement every 24 months.
- The PCB filter has a 5000L capacity.

To replace a filter: Press the corresponding filter button on the control panel, twist the old filter counter-clockwise to remove,

insert the new filter, twist clockwise to secure, and then press the 'Reset' button to reset the filter life indicator.

6. Specifications

Feature	Detail
Model	N2-S
Filtration Stages	6-stage (5-in-1 composite filter + 0.0001μm RO membrane)
Flow Rate	800 GPD (Gallons Per Day)
Pure-to-Drain Ratio	2:1
Dimensions (Main Unit)	14 × 4.7 × 12 inches
Water Outlets	RO Purified Water, Microbubble Water
PCB Filter Lifespan	12 months (approx.)
RO Filter Lifespan	24 months (approx.)
Certifications	NSF/ANSI 42 (components), NSF/ANSI 58 & 61 (material requirements)

7. Certifications

The Suiysuim N2-S system components are certified by international standards to ensure safe and reliable water quality.

- NSF/ANSI 42 certified for safety and reliable performance.
- Tested and certified by NSF International against NSF/ANSI Standard 58&42&61 for material requirements only.



Image 7.1: Certification details for the Suiysuim N2-S, showing compliance with NSF/ANSI standards. You can view the certification report here.

8. Warranty and Support

Suiysuim is committed to providing excellent customer service and support for your product.

- **1-Year Product Support:** Your system is covered by a 1-year quality assurance.
- **Lifetime Technical Assistance:** Receive ongoing technical support for the lifetime of your product.
- **Always-On Customer Service:** Our customer service team is available to assist you with any inquiries or issues.

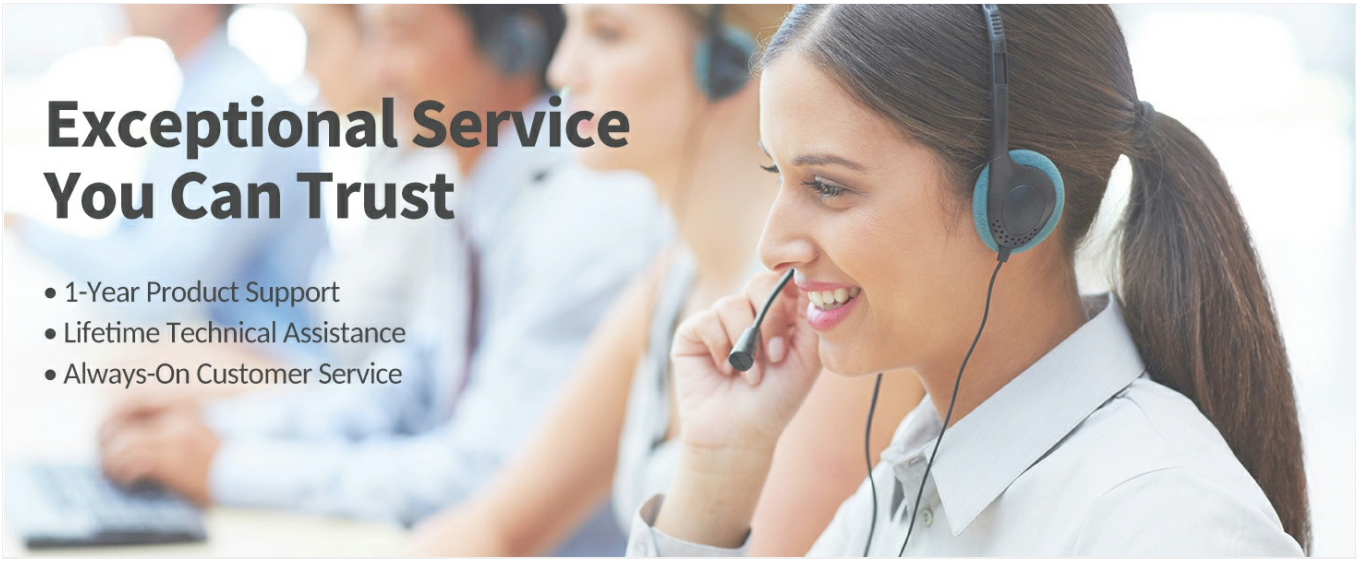


Image 8.1: Suiysuim's commitment to exceptional service, including 1-year product support, lifetime technical assistance, and always-on customer service.

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