

Neo-Pure NPROTW

Neo-Pure 3.2 Gallon Reverse Osmosis Storage Tank Instruction Manual

Brand: Neo-Pure | **Model:** NPROTW

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Neo-Pure 3.2 Gallon Reverse Osmosis (RO) Storage Tank. Please read all instructions carefully before proceeding with installation or use. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The Neo-Pure 3.2 Gallon Reverse Osmosis Storage Tank is designed to store purified water from your RO filtration system. It features a durable white powder-coated stainless steel exterior and internal components engineered for water purity and longevity.

Key Features:

- **Stainless Steel Water Connection:** Ensures durability and corrosion resistance.
- **High-Grade Chlorobutyl Diaphragm:** Post-cured for enhanced performance and long-term reliability, ensuring water remains tasteless and odorless.
- **Virgin Polypropylene Liner:** Prevents water contact with the tank's metal shell, maintaining water quality.
- **Plastic Tank Stand:** Included for stable placement.
- **CE Approved & BPA Free:** Meets safety and quality standards.

Components:

The Neo-Pure RO Storage Tank consists of an outer shell, an internal water storage compartment with a virgin polypropylene liner, a chlorobutyl diaphragm, and an air bladder. A stainless steel water connection is located at the

top, and an air valve for pre-charge pressure adjustment is at the bottom.



Image 2.1: Neo-Pure 3.2 Gallon Reverse Osmosis Storage Tank (White)



RO 3.2 Gallon White Coated Steel



virgin
polypropy
lene liner



high-grade chlorobutyl
diaphragm

stainless steel 1/4"
MNPT water connection

post cured diaphragm to
ensure that your water
is tasteless, odorless

FDA Approved

Image 2.2: Diagram highlighting key features like virgin polypropylene liner, chlorobutyl diaphragm, and stainless steel water connection.



Image 2.3: Cross-section diagram showing the internal structure of the RO storage tank, including the water storage compartment,

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your RO storage tank. This tank is designed for under-sink installation as part of a reverse osmosis system.

Unboxing:

Carefully open the packaging and remove the tank and its accessories. Inspect for any visible damage. The tank stand is included and should be attached to the bottom of the tank for stability.

Your browser does not support the video tag.

Video 3.1: Unboxing of a Neo-Pure RO Storage Tank. This video demonstrates the unboxing process and shows the tank and its stand.

Pre-Charge Pressure Check:

The tank comes pre-charged with air. It is recommended to verify the air pressure before installation. The factory pre-charge is typically 6.5 psi (0.45 bar). Use a low-pressure tire gauge (dial type recommended) to check the pressure at the air valve located at the bottom of the tank. Adjust if necessary using a bicycle pump.

Connecting to the RO System:

1. Ensure all components of your RO system are clean and ready for connection.
2. Apply thread sealant tape (not included) to the threads of the stainless steel water connection on top of the tank.
3. Connect the tank to the RO system's post-filter line using appropriate fittings (typically a 1/4" MNPT connection). Do not overtighten.
4. Place the tank on its plastic stand in the desired under-sink location.
5. Slowly turn on the water supply to the RO system and check for leaks at all connections.
6. Allow the tank to fill completely, then drain it once or twice to flush out any manufacturing residues before consuming water.



Image 3.1: Example of a Neo-Pure Reverse Osmosis Water Filtration System, showing how the storage tank integrates into the overall setup.



Image 3.2: A Neo-Pure Plastic Saddle Drain Line Adapter, illustrating a common connection point for RO systems under the sink.

4. OPERATING INSTRUCTIONS

Once installed and flushed, the Neo-Pure RO Storage Tank operates automatically in conjunction with your reverse osmosis system. The tank stores purified water, and the internal air bladder provides pressure to dispense water when the RO faucet is opened.

- The tank will fill gradually as the RO membrane purifies water.
- When you open your RO faucet, the stored water will be dispensed under pressure.
- The RO system will automatically begin refilling the tank once the pressure drops below a certain level.

5. MAINTENANCE

Regular maintenance ensures the longevity and performance of your RO storage tank and the quality of your drinking water.

- **Annual Pressure Check:** Check the air pre-charge pressure annually. If the pressure is too low, the tank will not dispense water effectively. The recommended pre-charge is 6.5 psi (0.45 bar) when the tank is empty.
- **Sanitization:** Inspect and sanitize the tank regularly by qualified personnel, especially during filter changes or if water quality issues arise.
- **Leak Inspection:** Periodically check all connections for leaks. Address any leaks immediately to prevent water damage.
- **Tank Replacement:** While durable, RO tanks have a lifespan. If you notice a significant drop in water pressure from the faucet, or if the tank feels heavy even when empty (indicating a ruptured bladder), it may be time for a replacement.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Low water flow from RO faucet	Low air pre-charge in tank; clogged filters; faulty RO membrane.	Check and adjust tank air pressure (6.5 psi empty); replace filters; replace RO membrane.
No water from RO faucet	Tank is empty; no water supply to RO system; completely depleted air charge.	Allow time for tank to fill; check water supply valves; check and adjust tank air pressure.
Water tastes or smells bad	Contaminated post-filter or tank; old water in tank.	Replace post-filters; sanitize the tank; ensure regular water usage.
Water leaking from tank connections	Loose fittings; damaged O-rings or thread sealant.	Tighten connections; replace O-rings or reapply thread sealant.

7. SPECIFICATIONS

Detailed specifications for the Neo-Pure 3.2 Gallon Reverse Osmosis Storage Tank (Model NPROTW):

- **Model Name:** Neo-Pure Reverse Osmosis Storage Tank
- **Model Number:** NPROTW
- **Capacity:** 3.2 Gallons (Total Volume: 3.2 gal / 12L, Holding Volume: 2.0 gal / 7.15L at 6.5 psi pre-charge / 40 psig)
- **Product Dimensions (L x W x H):**9.5" x 9.5" x 14"
- **Item Weight:** 8 Pounds
- **Material:** Stainless Steel (White Powder-Coated)
- **Diaphragm Material:** High-grade Chlorobutyl
- **Liner Material:** Virgin Polypropylene
- **Water Connection:** 1/4" MNPT Stainless Steel
- **Maximum Working Pressure:** 100 psi (6.9 bar)
- **Working Temperature:** 4°C - 60°C (40°F - 140°F)
- **Factory Pre-charge:** 6.5 psi (0.45 bar)
- **Certifications:** CE Approved
- **Included Components:** Tank Only (Plastic tank stand included)



Image 7.1: Visual representation of the Neo-Pure RO Tank dimensions (9.5"L x 9.5"W x 14"H).



Image 7.2: Close-up of the product label showing model number, capacity, pressure, and temperature specifications.

8. WARRANTY INFORMATION

The Neo-Pure 3.2 Gallon Reverse Osmosis Storage Tank comes with a **7-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use and service. Please refer to the warranty card included with your product or contact Neo-Pure customer support for full details and terms of coverage.

9. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Neo-Pure customer service. You can typically find contact information on the manufacturer's website or on the product packaging.

Manufacturer: Neologic

Website: [Visit the Neo-Pure Store on Amazon](#)

© 2026 Neo-Pure. All rights reserved.

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