

Star 148112

H2O PRO 1/8 Inch Brass Air Valve Adapter

MODEL 148112 INSTRUCTION MANUAL

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your H2O PRO 1/8 Inch Brass Air Valve Adapter, Model 148112. This adapter is designed to facilitate the addition and retention of air pressure within galvanized water systems, suitable for both shallow and deep well applications.

Important Safety Information

WARNING: Always disconnect power to the pump system before performing any installation or maintenance. Failure to do so may result in electric shock or serious injury.

- Ensure all connections are secure and leak-free to prevent water damage or system malfunction.
- Wear appropriate personal protective equipment, such as safety glasses and gloves, during installation and maintenance.
- If you are unsure about any part of the installation process, consult a qualified professional.
- Do not exceed the maximum pressure rating of your well pump system components.

Product Overview

The H2O PRO Model 148112 is a durable 1/8 inch brass air valve adapter engineered for longevity and reliable performance in water well systems. Its corrosion-resistant brass construction ensures suitability for various water conditions.



Image: H2O PRO 1/8 Inch Brass Air Valve Adapter. This image displays the brass air valve adapter, highlighting its compact design and threaded connection point.

Key Features:

- 1/8 inch brass construction for durability and corrosion resistance.
- Designed for injecting and holding air in galvanized water systems.
- Compatible with both shallow well and deep well applications.

Setup and Installation

Before Installation:

- Gather necessary tools: pipe wrench, thread sealant (Teflon tape or pipe dope), and a clean cloth.
- Ensure the well pump system is depressurized and the power supply is disconnected.
- Identify the appropriate 1/8 inch NPT (National Pipe Taper) port on your galvanized water system or pressure tank

where the air valve will be installed.

Installation Steps:

1. Clean the threads of the designated port on your well pump system to ensure a proper seal.
2. Apply thread sealant (Teflon tape or pipe dope) to the male threads of the H2O PRO 1/8 Inch Brass Air Valve Adapter. Apply 2-3 wraps of Teflon tape clockwise around the threads.
3. Carefully thread the air valve adapter into the prepared port.
4. Tighten the adapter using a pipe wrench until it is snug. Do not overtighten, as this can damage the threads or the valve.
5. Once installed, restore power to the pump system and check for any leaks around the connection. Address any leaks immediately.

Operation

The H2O PRO 1/8 Inch Brass Air Valve Adapter allows for the controlled introduction of air into your well pump's pressure system and helps maintain the air charge. This is crucial for the efficient operation of galvanized pressure tanks.

Adding Air to the System:

1. Ensure the pump system is running and building pressure, or manually add air using an appropriate air pump or compressor.
2. Connect an air hose with a standard Schrader valve connector to the H2O PRO air valve.
3. Introduce air into the system until the desired pressure is achieved, as recommended by your well pump system manufacturer.
4. Disconnect the air hose. The internal mechanism of the valve will retain the air pressure within the system.

Note: Some users have reported that the internal pin mechanism of this valve may contain a spring that can restrict air flow in certain well pump systems. If you experience difficulty adding air, a pin without a spring may be required for optimal performance in specific applications.

Maintenance

Regular maintenance ensures the longevity and proper function of your air valve adapter.

- **Periodic Inspection:** Annually inspect the valve for signs of corrosion, leaks, or damage.
- **Cleaning:** If necessary, clean the exterior of the valve with a damp cloth. Avoid using harsh chemicals that could damage the brass.
- **Leak Check:** Periodically check the connection point for any signs of water leakage. Tighten if necessary, but do not overtighten.

Troubleshooting

Air Not Entering System:

- **Check Air Source:** Ensure your air pump or compressor is functioning correctly and providing adequate pressure.
- **Valve Obstruction:** Verify that the internal pin mechanism of the air valve is not obstructed. As noted in the operation section, some valves may have a spring-loaded pin that can impede air flow in certain well pump setups. Consider replacing the pin with one designed for unrestricted air flow if this is the case for your specific system.
- **Clogged Port:** The port on the well system might be clogged. Depressurize the system and inspect the port.

Air Leaking from Valve:

- **Loose Connection:** Tighten the valve connection to the well system.
- **Damaged Threads:** Inspect the threads on both the valve and the system port for damage. Replace if necessary.
- **Worn Internal Seal:** The internal seal of the valve may be worn. The valve may need to be replaced.

Specifications

Model Number	148112
Material	Brass
Connection Size	1/8 Inch NPT
Item Weight	5 ounces
Dimensions (Approx. Package)	4 x 2 x 2 inches
Application	Shallow and Deep Well Pump Systems

Warranty Information

Specific warranty details for the H2O PRO 1/8 Inch Brass Air Valve Adapter, Model 148112, are not provided in the product information. Please refer to the manufacturer's official website or contact their customer support for current warranty terms and conditions.

Customer Support

For further assistance, technical support, or inquiries regarding your H2O PRO 1/8 Inch Brass Air Valve Adapter, please contact Star Water Systems customer service. Contact information can typically be found on the manufacturer's official website or 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

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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