

Aquatix Pro PD-4576

Aquatix Pro Premium Pool Winterizing Expansion Plug (1.7" to 2")

Instruction Manual

1. INTRODUCTION

The Aquatix Pro Premium Pool Winterizing Expansion Plug is designed to provide a reliable seal for various pool plumbing applications. This plug is essential for protecting your pool's pipes from freezing damage during the winter season, assisting in pressure testing for leak detection, and temporarily stopping water flow during equipment maintenance or repairs. This manual provides detailed instructions for proper installation, usage, and care of your expansion plug.

2. PRODUCT OVERVIEW

2.1. Components

- **Heavy-Duty Rubber Body:** Provides a flexible and durable seal.
- **Stainless Steel Screw:** Corrosion-resistant for long-lasting performance.
- **Stainless Steel Wingnut:** Allows for easy tightening and expansion of the rubber body.
- **Stainless Steel Top and Base Plates:** Distribute pressure evenly for a secure seal.

2.2. Features

- Designed for pipe openings ranging from 1.7 inches to 2 inches.
- Constructed with corrosion-resistant stainless steel and durable rubber.
- Versatile for winterizing, pressure testing, and temporary pipe sealing.



Figure 1: Aquatix Pro Pool Winterizing Expansion Plug. This image shows a close-up of the black rubber plug with a stainless steel wingnut and screw on top.



Figure 2: Diagram illustrating the dimensions (1.6" height, 1.7" to 2" diameter) and components of the Aquatix Pro Pool Winterizing Expansion Plug, including the stainless steel screw, wing bolt, top plate, flexible rubber body, and base plate.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of the Aquatix Pro Pool Winterizing Expansion Plug:

1. **Prepare the Pipe:** Ensure the pipe opening where the plug will be inserted is clean and free of debris. The plug is designed for openings between 1.7 inches and 2 inches.
2. **Insert the Plug:** Gently push the rubber body of the plug into the pipe opening. Ensure it is seated firmly and evenly.
3. **Tighten the Wingnut:** Turn the stainless steel wingnut clockwise to expand the rubber body. Tighten until a snug, watertight seal is achieved. Do not overtighten, as this can damage the plug or the pipe. The rubber should expand to create pressure against the pipe walls.
4. **Verify Seal:** After tightening, check for any leaks. If leaks are present, tighten the wingnut slightly more until the leak stops.



Figure 3: A person holding the Aquatix Pro expansion plug, demonstrating its size relative to a pool skimmer opening. This illustrates the initial placement of the plug.



Figure 4: The Aquatix Pro expansion plug securely installed in a pool return line, demonstrating a proper seal below the water line.

4. OPERATING INSTRUCTIONS (USAGE)

4.1. Winterizing Pool Lines

During the winter season, pool lines (skimmers, returns, cleaner lines) must be protected from freezing. Insert the expansion plug into the pipe opening after draining the water below the return lines and blowing out the pipes. Tighten the wingnut to create a watertight seal, preventing water from entering and freezing in the pipes.

4.2. Pressure Testing Pool Lines

For leak detection, expansion plugs can be used to isolate sections of pool plumbing for pressure testing. Insert the plug into the desired pipe opening and tighten to seal. This allows for the application of pressure to a specific section to identify leaks.

4.3. Temporary Water Flow Stoppage

When performing maintenance or repairs on pool equipment, the expansion plug can be used to temporarily stop water flow from the pool into specific lines. This allows for work to be done without fully draining the pool or shutting down the entire system.

5. MAINTENANCE

To ensure the longevity and effectiveness of your Aquatix Pro expansion plug, follow these maintenance guidelines:

- **Cleaning:** After each use, rinse the plug with fresh water to remove any pool chemicals or debris.
- **Inspection:** Regularly inspect the rubber body for cracks, tears, or signs of wear. Check the stainless steel components for corrosion or damage. Replace the plug if significant wear is observed.
- **Storage:** Store the plug in a cool, dry place away from direct sunlight when not in use. Loosen the wingnut slightly before storage to relieve pressure on the rubber.

6. TROUBLESHOOTING

If you encounter issues with your Aquatix Pro expansion plug, consider the following:

- **Plug Does Not Fit:** Ensure the pipe opening is within the 1.7-inch to 2-inch diameter range. If the opening is exactly 1.5 inches, the plug may be slightly too large for a comfortable fit. For openings at the lower end of the range, ensure the plug is fully inserted before tightening.
- **Plug Leaks After Installation:** Verify that the wingnut is tightened sufficiently to expand the rubber body against the pipe walls. Ensure the pipe opening is clean and smooth, without obstructions that could prevent a proper seal.
- **Wingnut Spins Without Tightening:** This indicates the screw may not be properly engaging or the wingnut is stripped. Inspect the screw and wingnut for damage. If damaged, the plug may need replacement. Ensure the wingnut is fully threaded onto the screw before attempting to tighten.
- **Difficulty Removing Plug:** Loosen the wingnut completely to retract the rubber body before attempting to pull the plug out. If it's still stuck, gently twist and pull.

7. SPECIFICATIONS

Model Number	PD-4576
Pipe Diameter Range	1.7 inches to 2 inches
Material	Heavy-duty rubber, Stainless Steel (screw, wingnut, plates)
Item Weight	3.2 ounces
Package Dimensions	3.43 x 2.6 x 1.81 inches

8. WARRANTY AND SUPPORT

Aquatix Pro stands by the quality of its products. This expansion plug comes with **one-year warranty** from the date of purchase. If you are not completely satisfied with your purchase, Aquatix Pro offers a satisfaction promise, including a full refund. For warranty claims, technical assistance, or any product-

related inquiries, please contact Aquatix Pro customer service through the retailer's platform or the official Aquatix Pro website.