Pilipane 6pcs Water Tube Fitting

Instruction Manual

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Model: 6pcs Water Tube Fitting (ASIN: B09YMGX9FS)

Product Overview

The Pilipane 6pcs Water Tube Fitting set provides reliable push-to-connect quick connectors designed for water purification systems and filters. These fittings facilitate easy and secure connections between 1/4 inch OD tubes and 1/2 inch female threaded components, ensuring a leak-proof seal without the need for additional tools.

Key Features:

- Comes with 6 pieces per set, offering practical solutions for water filter RO systems.
- Constructed from premium, non-toxic plastic material for safety and durability.
- Unique design ensures a leakage-proof connection.
- Widely applicable for reverse osmosis drinking water systems and the food and beverage industry.
- Designed for easy and quick installation or detachment without requiring specialized tools.



Image: A set of six Pilipane water tube fittings, showcasing their design and quantity.

Setup and Installation

Before beginning installation, ensure that the water supply to the system is turned off and depressurized. Gather any necessary tools, such as a professional pipe cutter.

Installation Instructions:

1. **Prepare the Tube:** Using a professional pipe cutter, cut the end of the tube cleanly and squarely. Avoid using scissors or other tools that may deform the tube, as this can lead to leaks. After cutting, pull out the small blue retaining clip from the quick connector.



Image: Visual guide for the installation process, demonstrating how to insert the tube.

2. **Insert the Tube:** Firmly insert the prepared tube into the quick connector. Push the tube until it reaches the bottom, typically about 15mm (0.6 inches) deep. You should feel a slight resistance as the tube passes through the O-ring seal.
3. **Secure the Connection:** Gently pull on the tube to ensure it is securely seated. At the same time, push the blue retaining clip back into its slot on the connector. This clip locks the tube in place and prevents accidental disconnection.
4. **Test for Leaks:** Once all connections are made, slowly turn on the water supply and carefully check for any leaks around the fittings. If a leak is detected, turn off the water, re-check the tube cut, and re-insert the tube, ensuring it is fully seated and the blue clip is in place.

Detachment Instructions

To detach a tube from the quick connector, follow these steps:

1. **Turn Off Water Supply:** Ensure the pipeline is closed and the water supply to the system is completely turned off and depressurized before attempting to detach any tubes.
2. **Remove Blue Clip:** Pull out the blue retaining clip from the quick connector. This releases the locking mechanism.



Image: Detailed view of the blue retaining clip, which must be removed for detachment.

3. **Press and Pull:** While pressing the white collar (or ring) on the connector firmly towards the body of the fitting until it goes to the bottom, simultaneously pull the tube out of the connector. The white collar releases the internal gripping mechanism.

Maintenance

These water tube fittings are designed for minimal maintenance. Periodically inspect connections for any signs of leaks or wear. Ensure that the blue retaining clips are always properly seated to prevent accidental disconnections. If a fitting appears damaged or worn, replace it immediately to maintain system integrity.

Troubleshooting

While these fittings are designed for reliability, here are some common issues and their potential solutions:

- **Leakage at Connection:**
  - Ensure the tube end is cut cleanly and squarely. Uneven cuts can prevent a proper seal.
  - Verify the tube is fully inserted into the fitting (approx. 15mm depth).
  - Confirm the blue retaining clip is fully pushed in to secure the connection.
  - Check if the tube itself is damaged or kinked near the connection point.
  - If the fitting is old or has been frequently connected/disconnected, the internal O-ring might be worn. Consider replacing the fitting.
- **Difficulty Inserting Tube:**
  - Ensure the blue retaining clip is removed before insertion.
  - Verify the tube's outer diameter matches the fitting's specification (1/4 inch OD).
  - Apply slight pressure and a gentle twisting motion while inserting.
- **Difficulty Detaching Tube:**
  - Ensure the blue retaining clip is fully removed.
  - Press the white collar firmly and completely against the fitting body while pulling the tube. This releases the internal grip.
  - Ensure the system is depressurized. Residual pressure can make detachment difficult.

Specifications

Attribute	Value
Condition	100% Brand New
Material	Plastic
Color	White
Tube Outside Diameter (OD)	G1/4 (1/4 inch)
Female Thread	G1/2 (1/2 inch)
Weight (approx.)	73g (for 6 pieces) / 1.76 ounces
Quantity	6 pieces per set
Manufacturer	Pilipane
Country of Origin	China
Connector Type	Coupling, Push-to-Connect

Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the official Pilipane website or contact the seller directly through the platform where the product was purchased. Keep your purchase receipt or order number handy for any inquiries.
Pilipane Store Link: Visit Pilipane Store on Amazon

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