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› Dreyoo Pressure Balancing Cartridge and Valve Stem Assembly Instruction Manual for Pfister 0X8/JX8/VB8/JV8 Valves

Dreyoo DR-Dreyoo-2152

Dreyoo Pressure Balancing Cartridge and Valve Stem Assembly Instruction Manual

Model: DR-Dreyoo-2152

1. INTRODUCTION

This manual provides instructions for the installation and maintenance of the Dreyoo Pressure Balancing Cartridge and Valve Stem Assembly. This product is designed to replace components in single-handle tub and shower systems, ensuring consistent water temperature and flow control.

Compatibility:

- The valve stem assembly is compatible with Pfister 971-2500.
- The pressure balancing cartridge is compatible with Pfister 974-2910.
- Both components are compatible with Pfister 0X8/JX8/VB8/JV8 deep casting valves.



Pressure Balancing Cartridge Replacement

Compatible with Price Pfister 974-2910,
compatible with 0X8/JX8/VB8/JV8 deep
casting valve

Pressure Balance Shower Valve Assembly

Compatible with Price Pfister 971-2500,
compatible with 0X8/JX8/VB8/JV8 deep
casting valve

Image 1.1: Overview of compatible Pfister valve models for Dreyoo replacement parts.

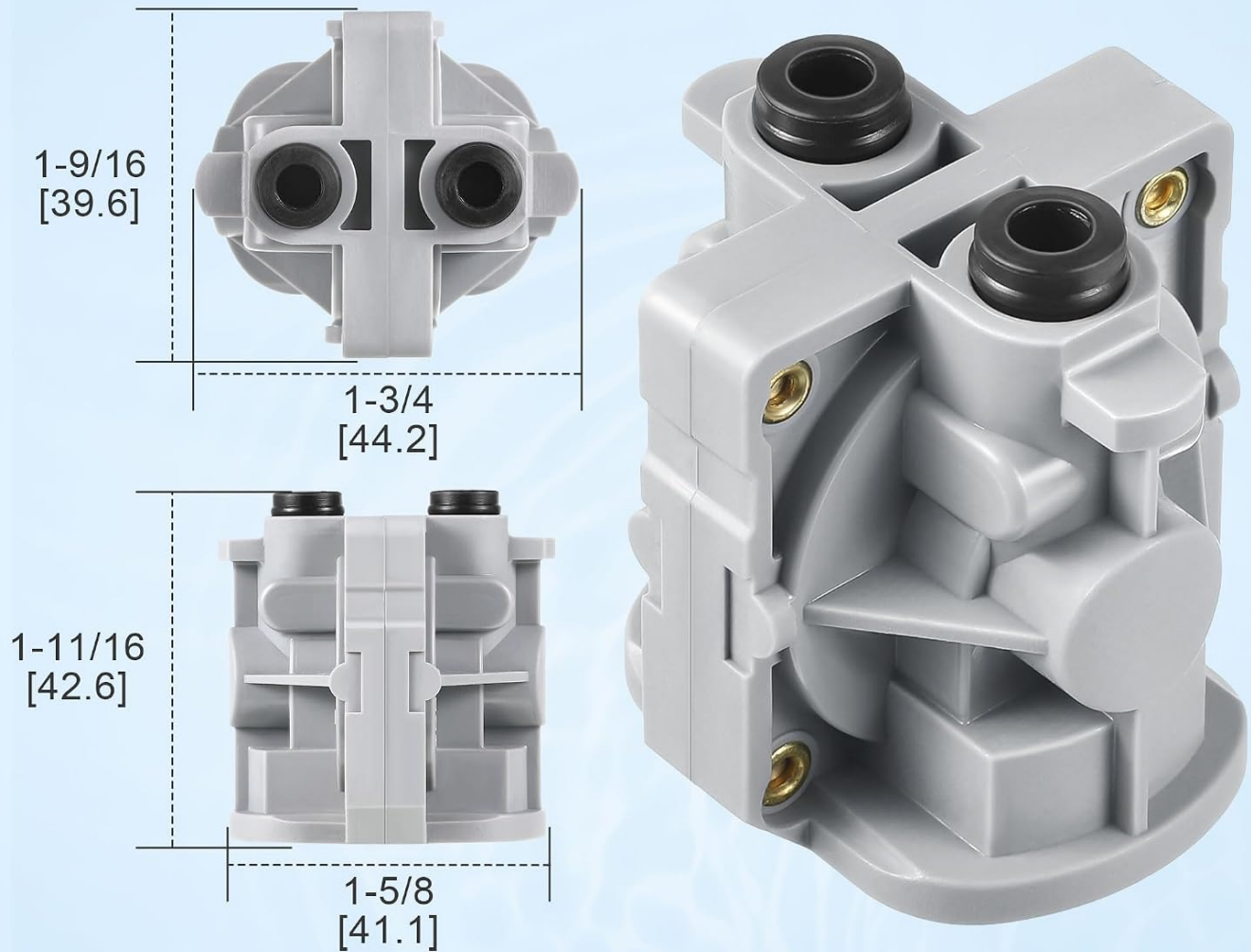
2. PRODUCT COMPONENTS

The Dreyoo replacement kit includes two primary components: the Valve Stem Assembly and the Pressure Balancing Cartridge. Each is designed for specific functions within your shower system.

2.1. Pressure Balancing Cartridge (Compatible with 974-2910)

This cartridge is crucial for maintaining a consistent water temperature by automatically responding to fluctuations in hot or cold water pressure. It helps prevent sudden changes in water temperature during your shower.

Temperature Control Pressure Balancing Cartridge



Please make sure your pressure balancer model before ordering.

Image 2.1: Detailed dimensions of the pressure balancing cartridge.

Pressure Balancer Details

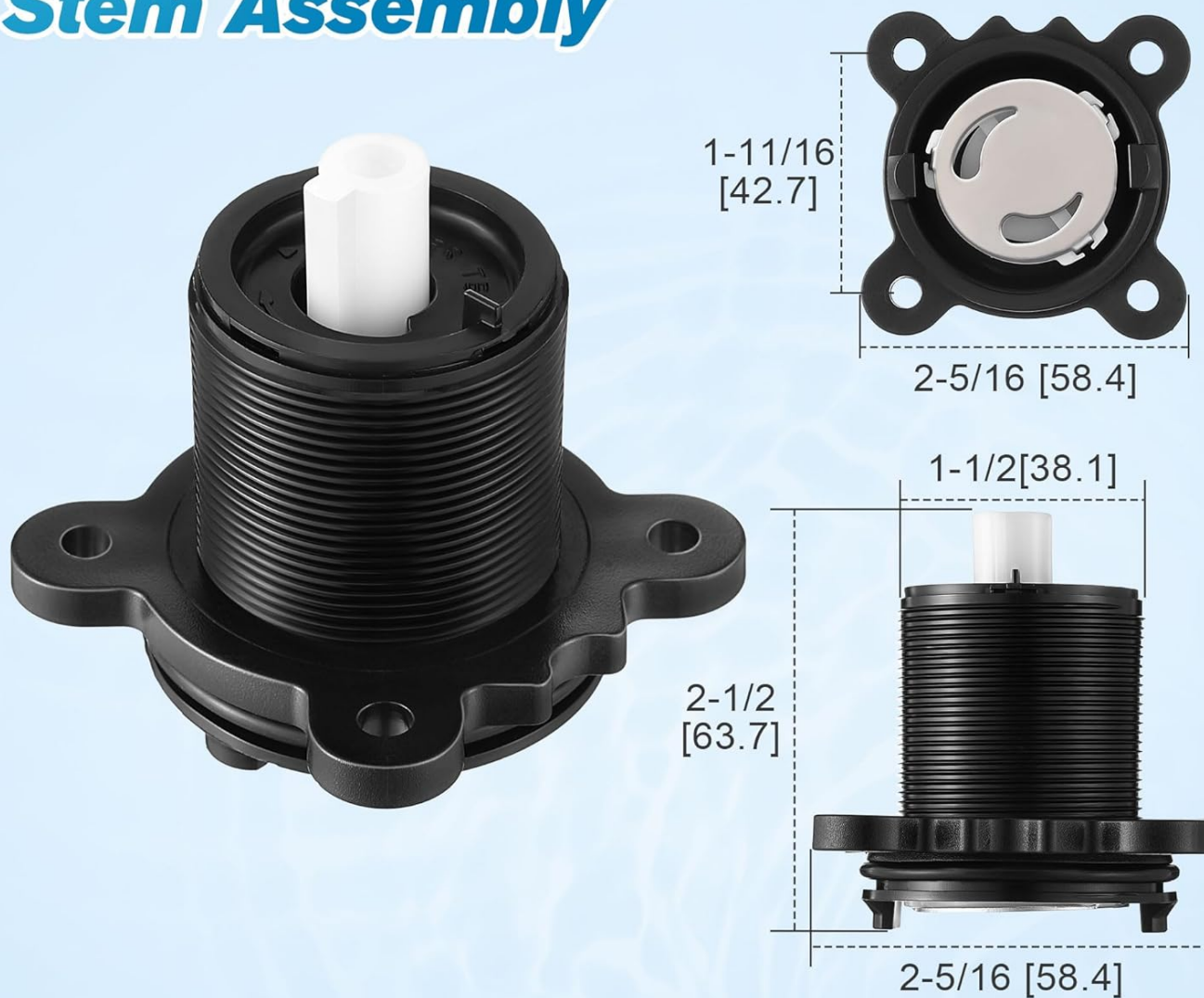


Image 2.2: Close-up view of the pressure balancer, highlighting the metal rivet, rubber seat, and rubber O-ring.

2.2. Valve Stem Assembly (Compatible with 971-2500)

The valve stem assembly connects to the faucet handle, allowing manual control over water flow and the mix of hot and cold water to achieve your desired temperature.

Tub and Shower Valve Stem Assembly



Please make sure your valve stem model before ordering.

Image 2.3: Detailed dimensions of the valve stem assembly.

Valve Stem Details

Plastic Stem



Metal Chassis



Standard Notch



Image 2.4: Close-up view of the valve stem, showing the plastic stem, metal chassis, and standard notch.

3. SETUP AND INSTALLATION

Follow these steps to replace your existing valve stem assembly and pressure balancing cartridge. Always ensure the main water supply is turned off before beginning any plumbing work.

1. **Turn off water supply:** Locate and turn off the main water supply to your house or the specific bathroom. Open the shower handle to drain any remaining water.
2. **Remove handle, flange, and sleeve:** Carefully remove the shower handle, decorative flange, and sleeve to expose the valve body.
3. **Remove old stem and bonnet assembly:** Unscrew and remove the existing valve stem and bonnet assembly.
4. **Remove old cartridge assembly:** Gently remove the old cartridge assembly from the valve body. Inspect the valve body for any debris or mineral buildup and clean if necessary.
5. **Replace valve stem assembly:** Carefully insert the new Dreyco valve stem assembly (compatible with 971-2500) into the valve body, ensuring O-rings are properly seated.

6. **Replace pressure balancing cartridge:** Insert the new Dreyoo pressure balancing cartridge (compatible with 974-2910) into the valve body, ensuring O-rings are correctly positioned.
7. **Apply Silicone Faucet Grease:** Apply a small amount of silicone faucet grease to the O-rings, cartridge, and valve stems. This helps lubricate components for smooth operation and extends their lifespan.
8. **Reassemble:** Reattach the bonnet assembly, sleeve, flange, and shower handle.
9. **Restore water supply:** Slowly turn the main water supply back on and check for leaks. Test the shower for proper function and temperature control.

Instruction:

1. Turn off water supply and open the handle.
2. Remove handle, flange and sleeve.
3. Remove Stem and bonnet assembly by removing securing screws.
4. Gently remove cartridge assembly and check the valve body for debris.
5. Replace valve stem assembly taking care to keep back O-rings in place.
6. Replace pressure balance cartridge taking care to keep back O-rings in place.



Silicone Faucet Grease



Make o-rings, cartridge and valve stems better for long term lubricant hold and help hard-turning faucets work smoothly and extend service life.

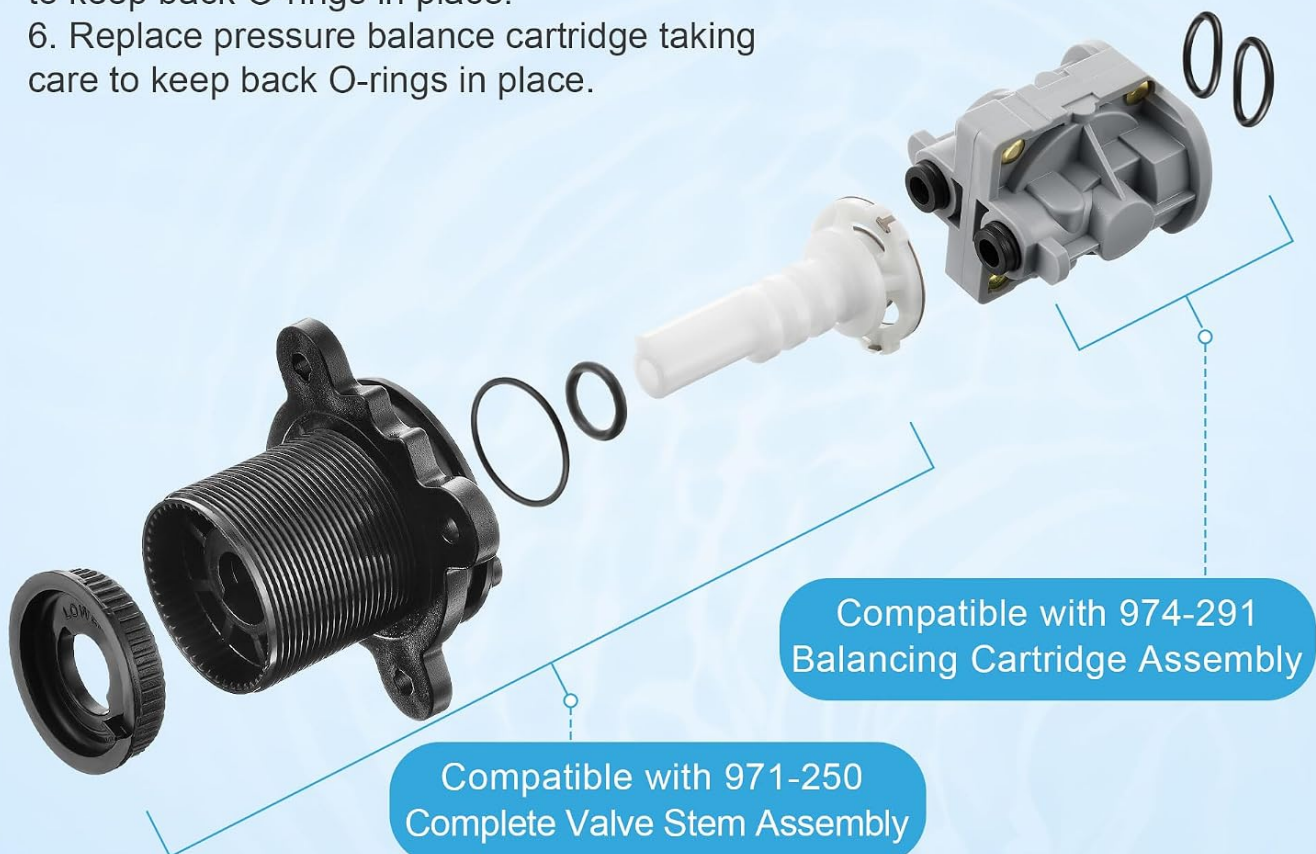


Image 3.1: Visual guide for the installation process, including the application of silicone faucet grease.

Your browser does not support the video tag.

Video 3.1: An official video demonstrating the Dreyoo Pressure Balancing Cartridge and Valve Stem Assembly. This video provides a visual overview of the product components and may assist with understanding the installation process.

4. OPERATING PRINCIPLES

4.1. Pressure Balancing Function

The pressure balancing cartridge (compatible with 974-2910) is engineered to maintain a consistent and safe shower temperature. It automatically adjusts the output of hot and cold water in response to sudden pressure changes, such as when a toilet is flushed or another faucet is opened. This prevents unexpected bursts of hot or cold water, enhancing user comfort and safety.

Maintain the water temperature at a safe level

The pressure balancer, compatible with 974-2910, is designed to automatically respond to sudden fluctuations in hot or cold water pressure, by balancing the output to maintain a consistent and safe shower temperature, helping prevent unexpected bursts of hot or cold water.



Image 4.1: Illustration of the pressure balancer's role in maintaining stable water temperature.

4.2. Water Flow and Temperature Control

The valve stem assembly (compatible with 971-2500) is the primary interface for users to control the shower. By rotating the single handle, users can manually adjust the water flow rate and the mix of hot and cold water to achieve their desired temperature. This ensures smooth and reliable performance for daily use.

Shower valve stem assembly for your single-handle faucet



The valve stem assembly, compatible with 971-2500, is a key component that connects to the faucet handle, allowing users to manually control water flow and adjust the mix of hot and cold water for desired temperature, ensuring smooth operation and reliable performance in everyday use.

Please make sure your valve stem model before ordering.

Image 4.2: Explanation of the valve stem assembly's function in a single-handle faucet.

5. MAINTENANCE

Regular maintenance can extend the lifespan and ensure optimal performance of your Dreyoo valve components.

- **Lubrication:** Periodically apply silicone faucet grease to the O-rings, cartridge, and valve stems. This lubrication helps prevent wear, ensures smooth operation, and can resolve issues with stiff or hard-turning faucets.
- **Cleaning:** If water flow becomes restricted or inconsistent, mineral deposits may have accumulated. Turn off the water supply, disassemble the valve components as described in the installation section, and gently clean any visible debris or mineral buildup.
- **Inspection:** During cleaning or lubrication, inspect O-rings and rubber seats for signs of wear, cracking, or damage. Replace any worn components to prevent leaks.

6. TROUBLESHOOTING

- If you encounter issues with your shower system after installing the Dreyoo replacement parts, consider the following:
- **Leaks:** If leaks occur, ensure all components are properly seated and tightened. Verify that O-rings are intact and correctly positioned. Reapply silicone grease if necessary. A common cause of leaks is improper seating or damaged O-rings.
 - **Inconsistent Water Temperature:** If the water temperature fluctuates significantly, ensure the pressure balancing cartridge is installed correctly and free of debris. Verify that both hot and cold water supplies are fully open.
 - **Reduced Water Flow:** Check for any obstructions in the valve body or aerator. Mineral buildup can restrict flow. Disassemble and clean components as described in the maintenance section.
 - **Difficulty Turning Handle:** If the handle is stiff, apply silicone faucet grease to the valve stem and O-rings. Ensure no components are overtightened.
 - **Compatibility Check:** Double-check that the installed parts are indeed compatible with your specific Pfister valve model (0X8/JX8/VB8/JV8) and the correct 971-2500 and 974-2910 replacements.

7. SPECIFICATIONS

Product Name	Pressure Balancing Cartridge and Valve Stem Assembly
Brand	Dreyoo
Model Number	DR-Dreyoo-2152
Material	Metal, Plastic
Number of Pieces	4 (2 x Valve Stem, 2 x Pressure Balancing Cartridge)
Valve Stem Size	Approx. 2-5/6 x 2-5/6 x 2-1/2 inches
Pressure Balancer Size	Approx. 1-9/16 x 1-3/4 x 1-11/16 inches
Compatibility	Pfister 971-2500, 974-2910, 0X8/JX8/VB8/JV8 Deep Casting Valve

8. WARRANTY AND SUPPORT

Specific warranty information and direct customer support details for this product were not provided in the available data. For inquiries regarding warranty or technical support, please refer to the product packaging or contact the retailer where the product was purchased.

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