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ProFlo PROFLO PF4001

PROFLO PF4001 Series Pressure Balanced Tub and Shower Faucet Valve User Manual

Model: PROFLO PF4001

PRODUCT OVERVIEW

The PROFLO PF4001 Series Pressure Balanced Tub and Shower Faucet Valve is engineered for reliable performance and consistent water temperature. Featuring a durable cast bronze valve body and a one-piece ceramic disc cartridge, this valve ensures long-lasting operation and ease of maintenance. Its pressure-balancing mechanism helps prevent sudden temperature changes, providing a comfortable and safe showering experience.

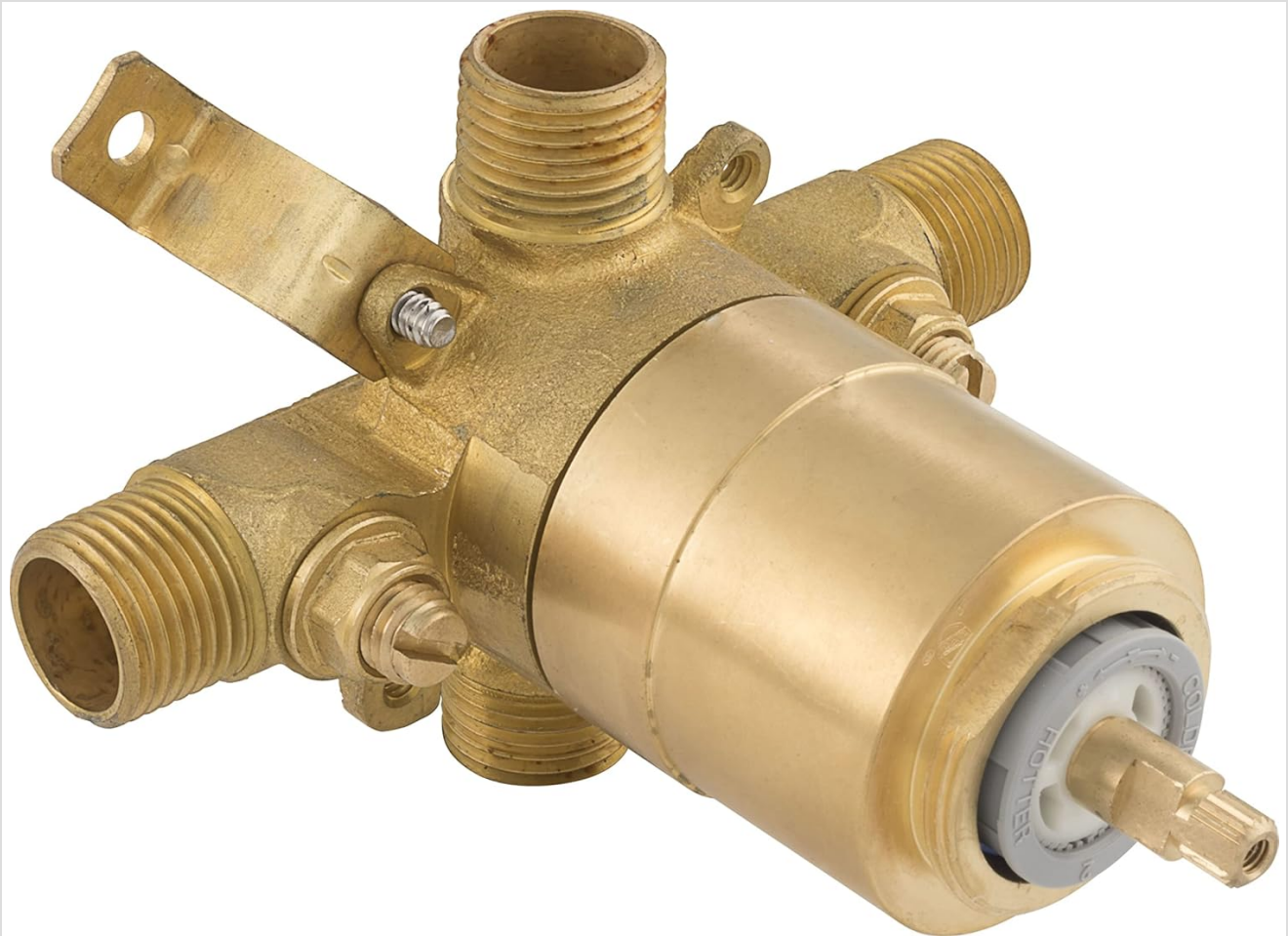


Image: The PROFLO PF4001 Pressure Balanced Tub and Shower Faucet Valve, showcasing its brass construction and connection points.

SAFETY INFORMATION

WARNING: Read all instructions carefully before installation and use to prevent injury or property damage.

- Always turn off the main water supply before beginning any installation or maintenance.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Ensure all connections are secure and leak-free before restoring water supply.
- If you are unsure about any part of the installation, consult a qualified plumber.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- PROFLO PF4001 Pressure Balanced Tub and Shower Faucet Valve (1)
- Installation Instructions (1) - (Refer to the official PDF document for detailed diagrams: [Installation Manual PDF](#))
- Warranty Information (1)

INSTALLATION INSTRUCTIONS

This section provides general guidance. For detailed, step-by-step instructions and diagrams, please refer to the official installation manual provided with your product or download it from the link above.

Tools and Materials Required (Not Included):

- Adjustable wrench
- Pipe cutter
- Soldering torch and solder (for SWT connections)
- Thread sealant tape (PTFE tape)
- Measuring tape
- Screwdriver

Pre-Installation Steps:

1. Turn off the main water supply to the house.
2. Drain the water lines by opening the lowest faucet in the house.
3. Clear the work area and ensure adequate lighting.

Mounting the Valve:

1. Position the valve body within the wall cavity, ensuring it is plumb and at the correct depth relative to the finished wall surface.
2. Secure the valve body to the framing using appropriate fasteners through the mounting bracket.

Connecting Water Lines:

1. Connect the hot water supply line to the port marked "HOT" and the cold water supply line to the port marked "COLD". The valve supports 1/2" MIP and SWT connections.
2. Connect the top port to the showerhead riser and the bottom port to the tub spout.
3. Ensure all connections are watertight. For threaded connections, use thread sealant tape. For soldered connections, follow standard plumbing practices.

Post-Installation Check:

1. Slowly turn on the main water supply.
2. Inspect all connections for leaks. Tighten any leaking connections.
3. Flush the lines by running water through the valve for a few minutes to clear any debris.

OPERATING INSTRUCTIONS

The PROFLO PF4001 valve is designed for simple and safe operation.

Temperature Control:

- The pressure-balanced cartridge automatically adjusts water pressure to maintain a consistent temperature, even if there are pressure fluctuations in your hot or cold water supply.
- Rotate the handle (once installed with trim kit, sold separately) to adjust the water temperature from cold to hot.

Flow Control:

- The handle also controls the water flow. Turn the handle to increase or decrease the flow rate.
- To turn off the water, rotate the handle to the fully closed position.

MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your PROFLO PF4001 valve.

Cleaning:

- Clean the visible parts of the valve (once trim is installed) with a soft cloth and mild soap.
- Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and internal components.

Cartridge Replacement:

- The one-piece ceramic disc valve cartridge is designed for durability. If you experience persistent leaks or difficulty controlling temperature/flow, the cartridge may need replacement.
- To replace the cartridge, turn off the water supply, remove the trim, and follow the specific instructions provided with a replacement cartridge kit.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Water leaks from valve body.	Loose connections; damaged O-rings or cartridge.	Turn off water supply. Tighten connections. Inspect and replace O-rings or cartridge if damaged.

Problem	Possible Cause	Solution
Inconsistent water temperature.	Debris in cartridge; faulty pressure balance cartridge.	Flush lines. Clean or replace the ceramic disc cartridge.
Low water flow.	Debris in valve or supply lines; partially closed shut-off valves.	Check that supply shut-off valves are fully open. Flush lines. Inspect cartridge for blockages.
No water flow.	Main water supply off; severe blockage.	Check main water supply. Inspect for severe blockages in lines or valve.

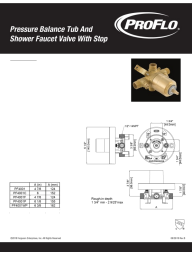
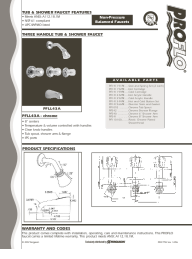
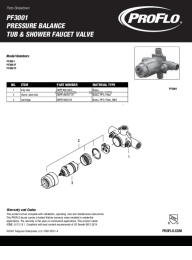
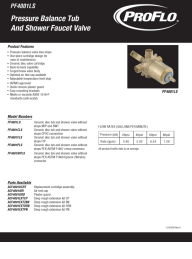
If troubleshooting steps do not resolve the issue, contact a qualified plumber or PROFLO customer support.

SPECIFICATIONS

Feature	Detail
Model Number	PROFLO PF4001
Material	Brass
Valve Type	Pressure Balance Valve
Connections	1/2" MIP and SWT
Cartridge Type	Ceramic Disc (One-piece design)
Exterior Finish	Bronze (Valve body)
Number of Ports	1
Item Weight	1.79 pounds
Package Dimensions	5.6 x 5.6 x 5.1 inches
Certifications	IAPMO, ASSE

WARRANTY AND SUPPORT

PROFLO products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty information included with your product or visit the official PROFLO website. For technical assistance, replacement parts, or further inquiries, please contact PROFLO customer support. Have your model number (PF4001) and purchase date ready when contacting support. You can also find additional resources and product information on the [ProFlo Amazon Store](#).

	<p>PROFLO PF4001 Pressure Balance Tub and Shower Faucet Valve with Stop - Specifications</p> <p>Technical specifications, product features, model details, and warranty information for the PROFLO PF4001 Pressure Balance Tub and Shower Faucet Valve with Stop, including dimensions and compliance standards.</p>
	<p>PROFLO Tub and Shower Faucets: PFL43A and PFL5002A Product Overview</p> <p>Detailed information on PROFLO's Three Handle Tub & Shower Faucet (PFL43A) and Roman Tub Faucet (PFL5002A), including features, specifications, and available parts. Compliant with ANSI A112.18.1M, NSF-61, and UPC/IAPMO standards.</p>
	<p>PROFLO PF3001 Pressure Balance Tub & Shower Faucet Valve Parts Breakdown</p> <p>Detailed parts breakdown for the PROFLO PF3001 Pressure Balance Tub & Shower Faucet Valve, including model numbers, part numbers, material types, and warranty information.</p>
	<p>PROFLO PF4001LS Pressure Balance Tub and Shower Faucet Valve - Technical Specifications</p> <p>Detailed technical specifications, product features, model numbers, flow rates, and warranty information for the PROFLO PF4001LS Pressure Balance Tub and Shower Faucet Valve.</p>
	<p>ProFlo ACCUFIT Pressure Balance Tub and Shower Installation Guide</p> <p>Comprehensive installation, care, and maintenance instructions for the ProFlo ACCUFIT Pressure Balance Tub and Shower system. Covers valve connection, installation steps, temperature limit adjustment, repair procedures, and warranty information for models PF3001 and MIR3001 series.</p>
	<p>PROFLO PF7611G Series Single Handle Tub and Shower Only Trim Kit Specifications</p> <p>Specifications for the PROFLO PF7611G Series Single Handle Tub and Shower Only Trim Kit, detailing product features, model numbers, dimensions, warranty information, and compliance codes.</p>