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- > PROFLO /
- > PROFLO PF4001LS 4001 Series Pressure Balanced Tub and Shower Valve Instruction Manual

PROFLO PF4001LS

PROFLO PF4001LS 4001 Series Pressure Balanced Tub and Shower Valve Instruction Manual

Model: PF4001LS

INTRODUCTION

This instruction manual provides detailed information for the installation, operation, and maintenance of your PROFLO PF4001LS 4001 Series Pressure Balanced Tub and Shower Valve. This valve is designed to provide consistent water temperature and pressure, enhancing your showering experience. Please read this manual thoroughly before beginning installation or operation to ensure proper function and safety.

SAFETY INFORMATION

WARNING: Failure to follow these instructions could result in personal injury or property damage.

- Always turn off the main water supply before installing or servicing the valve.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- If you are unsure about any part of the installation process, consult a qualified plumber.
- This product contains brass, which may expose you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
- Ensure all connections are secure and leak-free before restoring water supply.

PRODUCT OVERVIEW

The PROFLO PF4001LS valve is a robust, forged brass unit featuring a one-piece ceramic disc cartridge for reliable performance and easy maintenance. Its pressure-balanced design helps maintain a constant water temperature, preventing sudden changes due to pressure fluctuations in your plumbing system.



Figure 1: Front view of the PROFLO PF4001LS Pressure Balanced Tub and Shower Valve, showcasing its brass body and connection points.

Key Features:

- Pressure balance valve less stops
- One-piece cartridge design for ease of maintenance
- Ceramic disc valve cartridge
- Back-to-back capability
- Forged brass valve body

SPECIFICATIONS

Attribute	Detail
Brand	PROFLO
Model Number	PF4001LS
Material	Brass
Valve Type	Pressure Balanced
Inlet Connection Type	Sweat
Outlet Connection Type	Sweat

Number of Ports	2
Item Weight	1.57 pounds
Product Dimensions	1 x 1 x 1 inches
Certifications	IAPMO, ASSE 1016-P

INSTALLATION

Professional installation is recommended for this product. Ensure you have all necessary tools and materials before beginning. Refer to the official Installation Manual (PDF) for detailed diagrams and specific plumbing codes.

Pre-Installation Checklist:

- · Verify all parts are present and undamaged.
- Ensure main water supply is turned off.
- Clear the work area and have appropriate tools ready (e.g., pipe cutter, soldering torch, flux, solder, tape measure, level, safety glasses).
- Familiarize yourself with local plumbing codes.

Installation Steps:

- 1. **Prepare Rough-In:** Mount the valve rough-in body securely to the framing, ensuring it is plumb and at the correct depth for your wall finish. The valve body has mounting ears for this purpose.
- 2. **Connect Water Lines:** Connect the hot and cold water supply lines to the clearly marked inlets on the valve body using sweat connections. Ensure proper soldering techniques are used to prevent leaks. The valve is designed for 1/2" connections.
- 3. **Connect Outlet Lines:** Connect the shower and/or tub spout outlet lines to the corresponding ports on the valve.
- 4. **Test for Leaks:** Before closing the wall, turn on the main water supply slowly and check all connections for leaks. Address any leaks immediately.
- 5. Install Cartridge: Insert the ceramic disc cartridge into the valve body. Ensure it is seated correctly.
- 6. **Install Trim Kit:** Once the wall is finished, install the decorative trim kit (sold separately) according to its specific instructions. This typically includes the escutcheon, handle, and spout.



Figure 2: Rear view of the PROFLO PF4001LS valve, showing the mounting brackets and additional connection points for rough-in installation.

OPERATION

The PROFLO PF4001LS valve is a pressure-balanced mixing valve. This means it automatically adjusts the hot and cold water mix to maintain a consistent temperature, even if there are sudden pressure drops in either the hot or cold supply lines (e.g., someone flushes a toilet). The valve operates by rotating the handle (part of the trim kit, sold separately) to control both water flow and temperature.

- **Temperature Control:** Rotate the handle to adjust the water temperature. Typically, rotating counterclockwise increases hot water, and clockwise increases cold water.
- Flow Control: Pulling the handle out or pushing it in (depending on trim kit design) controls the water flow.
- **Temperature Limit Stop:** Most trim kits include a temperature limit stop feature that can be set to prevent scalding. Refer to your trim kit's instructions for adjusting this.

MAINTENANCE

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

• Cleaning: Clean the visible parts of the valve (trim kit) with a soft cloth and mild soap. Avoid abrasive

cleaners, harsh chemicals, or scouring pads, as these can damage the finish.

- Cartridge Replacement: If you experience consistent drips, leaks, or difficulty in temperature control, the ceramic disc cartridge may need replacement. The one-piece design allows for relatively easy replacement. Turn off the water supply, remove the trim, and follow the instructions for cartridge removal and installation. Replacement cartridges are available from PROFLO or authorized dealers.
- **Periodic Inspection:** Periodically inspect the valve and connections for any signs of leaks or corrosion. Address any issues promptly.

TROUBLESHOOTING

Below are common issues and their potential solutions. If the problem persists, contact a qualified plumber or PROFLO customer support.

Problem	Possible Cause	Solution
Water drips from spout/showerhead	Worn or damaged cartridge	Replace the ceramic disc cartridge.
Inconsistent water temperature	Debris in cartridge, faulty cartridge, or issues with water supply pressure.	Clean or replace cartridge. Check main water supply pressure.
Low water flow	Clogged aerator (if applicable), debris in valve, or low main water pressure.	Clean aerator. Flush valve. Check house water pressure.
No hot or cold water	Supply line shut-off, faulty cartridge, or issue with water heater.	Check supply line valves. Replace cartridge. Consult water heater manual.

WARRANTY AND SUPPORT

PROFLO products are manufactured to the highest quality standards and are backed by a limited warranty. For specific warranty details, please refer to the warranty information provided with your purchase or visit the official PROFLO website. Keep your proof of purchase for warranty claims.

For technical assistance, replacement parts, or further inquiries, please contact PROFLO customer support or visit the PROFLO store on Amazon:

Visit the PROFLO Store

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PROFLO PF4001LS Pressure Balance Tub and Shower Faucet Valve - Technical Specifications

Detailed technical specifications, product features, model numbers, flow rates, and warranty information for the PROFLO PF4001LS Pressure Balance Tub and Shower Faucet Valve.



PROFLO Tub and Shower Faucets: PFLL43A and PFLL5002A Product Overview

Detailed information on PROFLO's Three Handle Tub & Shower Faucet (PFLL43A) and Roman Tub Faucet (PFLL5002A), including features, specifications, and available parts. Compliant with ANSI A112.18.1M, NSF-61, and UPC/IAPMO standards.



PROFLO PF4001 Pressure Balance Tub and Shower Faucet Valve with Stop - Specifications

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.



ProFlo ACCUFIT Pressure Balance Tub and Shower Installation Guide

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.



PROFLO PF7611G Series Single Handle Tub and Shower Only Trim Kit Specifications

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.



PROFLO PF8830G Series ORRS Single Handle Tub and Shower Trim Kit Specifications

Detailed product specifications for the PROFLO PF8830G Series ORRS Single Handle Tub and Shower Trim Kit. Includes features, available finishes (Chrome, Brushed Nickel, Matte Black), dimensions, warranty information, and compliance standards.



PROFLO PF4001LS Pressure Balance Tub and Shower Faucet Valve - Technical Specifications

Detailed technical specifications, product features, model numbers, flow rates, and warranty information for the PROFLO PF4001LS Pressure Balance Tub and Shower Faucet Valve.

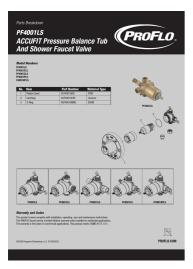
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[pdf] Specifications

PF4001LS Spec 0522 pf4001ls spec 1 24 24s1 img b build mediabase specifications proflo 1530750 ||| Speci cations **PF4001LS** ACCUFIT Pressure Balance Tub and Shower Faucet Valve Product Features ACCUFIT Pressure balance valve less stops One-piece cartridge design for ease of maintenance Ceramic disc valve cartridge Back-to-back capability Forged brass valve body Optional air test cap availab...

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[pdf] Instructions Specifications Warranty

PF4001LS R67418 XXXX Breakdown 20210709 Exploded PartsPROFLO 4001 Series Pressure

Balanced MIP X SWEAT Ceramic Tub and Shower Valve without Stops 1 2 Connection Ferguson

Homepf4001ls r67418 xxxx breakdown 20210709s1 img b build mediabase specifications proflo 1530746

pf4001ls PartsWarranty Codes This product comes complete with installation operating care maintenance
instructionsPROFLO 20210709pf4001ls 1530743 ||| ||| Parts Breakdown PF4001LS ACCUFIT Pressure

Balance Tub And Shower Faucet Valve Model Numbers PF4001LS PF4001FLS PF4001CLS PF4001PLS

F4001WPLS No. Item 1 Plaster Guard 2 Cartridge 3 O-Ring Part Number ACF4001GRD ACF4001UCRT

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Parts Breakdown **PF4001LS** ACCUFIT Pressure Balance Tub And Shower Faucet Valve Model Numbers **PF4001LS** PF4001FLS PF4001CLS PF4001PLS F4001WPLS No. Item 1 Plaster Guard 2 Cartridge 3 O-Ring Part Number ACF4001GRD ACF4001UCRT ACF4001ORING Material Type POM Ceramic EPDM **PF4001LS** 3 2 1 **PF4001LS** PF4...

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[pdf] Specifications

PF4001LS FLS PLS WPLS spec sheet 06062025 proflo pf4001pls specification sheets1 img b build mediabase specifications 1530747 Specification SheetPROFLO 4001 Series Pressure Balanced MIP X SWEAT Ceramic Tub and Shower Valve without Stops 1 2 Connection Ferguson Homeproflo pf4001ls sheetproflo 1530746 pf4001cls pf4001fls pf4001wpls accufitSpecification SheetCeramic disc tub shower valve stops SWT CPVC connectionPROFLO Home7501346 15478390 specificationproflo sheetfergusonprod a bigcontent io v1 static 7501346 specifications1 ||| ||| PF4001LS/PF4001CLS/PF4001FLS/PF4001PLS/PF4001WPLS ACCUFIT PRESSURE BALANCE TUB AND SHOWER FAUCET VALVE WITH STOP Product Features ACCUFIT Pressure balance valve with integral stops One-piece cartridge design for ease of maintenance Ceramic |||

PF4001LS/PF4001CLS/PF4001FLS/ PF4001PLS/PF4001WPLS ACCUFIT PRESSURE BALANCE TUB AND SHOWER FAUCET VALVE WITH STOP Product Features ACCUFIT Pressure balance valve with integral stops One-piece cartridge design for ease of maintenance Ceramic

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[pdf] Specifications

PF4001LS Spec 0522 SPECIFICATION 1 2 in PEX Connection Pressure Balancing Valve PROFLO® Ferguson 7501345 11498209 specification fergusonprod a bigcontent io v1 static |||

Speci cations **PF4001LS** ACCUFIT Pressure Balance Tub and Shower Faucet Valve Product Features ACCUFIT Pressure balance valve less stops One-piece cartridge design for ease of maintenance Ceramic disc valve cartridge Back-to-back capability Forged brass valve body Optional air test cap availab...

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[pdf] Specifications

PF4001LS Spec 0522 SPECIFICATION PROFLO® 1 2 in MPT Connection Pressure Balancing Valve Ferguson 7501354 13956767 specification fergusonprod a bigcontent io v1 static |||

Speci cations **PF4001LS** ACCUFIT Pressure Balance Tub and Shower Faucet Valve Product Features ACCUFIT Pressure balance valve less stops One-piece cartridge design for ease of maintenance Ceramic disc valve cartridge Back-to-back capability Forged brass valve body Optional air test cap availab...

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<u>Proflo Accufit Pressure Balance Tub and Shower Faucet Valve with Stop - PF4001</u> Series

Detailed specifications and features for the Proflo Accufit pressure balance tub and shower faucet valve with stop, including product numbers PF4001LS, PF4001CLS, PF4001FLS, PF4001PLS, and PF4001WPLS. Covers product features, optional parts, certifications, product specifications, and flow rates.

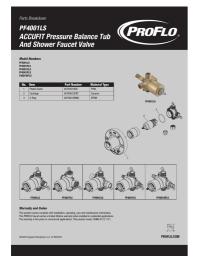
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PROFLO Faucets and Fixtures Product Catalog

Explore the PROFLO collection of high-quality faucets, toilets, and sinks. This catalog features kitchen faucets, bath faucets, toilets, and various sink types with detailed specifications and model numbers.

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[pdf] Instructions Warranty

PF4001LS R67418 XXXX Breakdown 20210709 PARTS 1 2 in PEX Connection Pressure Balancing Valve PROFLO® Ferguson 7501345 8540309 parts fergusonprod a bigcontent io v1 static ||| Parts Breakdown **PF4001LS** ACCUFIT Pressure Balance Tub And Shower Faucet Valve Model Numbers **PF4001LS** PF4001FLS PF4001CLS PF4001PLS F4001WPLS No. Item 1 Plaster Guard 2 Cartridge 3 O-Ring Part Number ACF4001GRD ACF4001UCRT ACF4001ORING Material Type POM Ceramic EPDM **PF4001LS** 3 2 1 **PF4001LS** PF4...

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[pdf] Warranty

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IMPROVED The PROFLO ACCUFIT universal valve has the versatility to work with a wide range of trim d ... p to 500,000 cycles CONNECTION OPTIONS Connection With Stops 1/2 MIP or SWT PF4001 Less Stop **PF4001LS** 1/2 CPVC PF4001C

PF4001CLS 1/2 FIP PF4001F PF4001FLS 1/2 PEX Crimp PF4001P PF40...

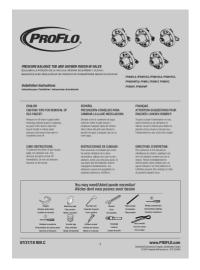
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[pdf] Reference Guide Guide

FAUCETS FIXTURES FergusonPF4001LS 1 2 CPVC PF4001C PF4001CLS FIP PF4001F PF4001FLS PEX Crimp PF4001P PF4001PLS 90 Ell PF4001P90 PF4001PLS90 Cold Quick Reference Guide Faucets and Fixturesferguson sites content docs proflo quick reference guide faucets fixtures srsltid AfmBOorqywtMZmN66QrQ2ouau1pNWdpju3RDJNqc8A4fVkFBQ uGZXCv FergusonFAUCETS Cold Ferguson offers kitchen bath including models like BASQUE LOFTUS FAYWOOD also includes tub shower trims for faucetsQuick FixturesQuick uGZXCvferguson AfmBOoqQOOBV Tqf0OFyDIAQ4uA Tn v4QAYEHqDbjSE8radF7szUE2G faucetsPF4001 CRMC T S VLV MIP SWT W STOPS Connection With Stops Less or PF4001 PF4001LS PF4001FQuick v4QAYEHqDbjSE8radF7szUE2Gferguson AfmBOopROA6DE WA0t6QzhzaWTAArsotkx7tNjonDM8OPHewBloc6vsD ||| ||| KITCHEN FAUCETS FAUCETS FIXTURES BASQUE PFXC5012CP 1.8 GPM KIT FCT PD SPT CP ALSO AVAILABLE: BN LOFTUS PFXC4012CP 1.75 GPM KIT FCT PD SPT CP ALSO AVAILABLE: BN MB FAYWOOD PFXC8012CP 1.8 GPM KIT FCT PD SPT CP ALSO AVAILABLE: BN KIRKHAM PFXC8 || KITCHEN FAUCETS FAUCETS FIXTURES BASQUE PFXC5012CP 1.8 GPM KIT FCT PD SPT CP ALSO AVAILABLE: BN LOFTUS PFXC4012CP 1.75 GPM KIT FCT PD SPT CP ALSO AVAILABLE: BN MB FAYWOOD PFXC8012CP 1.8 GPM KIT FCT PD SPT CP ALSO AVAILABLE: BN KIRKHAM PFXC8 KITCHEN FAUCETS FAUCETS FIXTURES BASQUE PFXC5012CP 1.8 GPM KIT FCT PD SPT CP ALSO AVAILABLE: BN ... PF4001 CRMC T/S VLV MIP/SWT W/STOPS Connection With Stops Less Stops 1/2 MIP or SWT PF4001 PF4001LS 1/2 CPVC PF4001C PF4001CLS 1/2 FIP PF4001F PF4001FLS 1/2 PEX Crimp PF4001P PF40...

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[pdf] User Manual Instructions

R67418 PROFLO PF4001 4001 Series Pressure Balanced Tub and Shower Faucet Valve with Stops 1 2 MIP SWT N A No Finish PROFLO Installation Manual ProFlo B0C87GJHSK B07L1D2HZ2 C1CpFuaKSnS m media amazon images I |||

PRESSURE BALANCE TUB AND SHOWER ROUGH IN VALVE EQUILIBRA LA PRESIN DE LA VLVULA INTERNA DE BAERA Y DUCHA / BAIGNOIRE AVEC RGULATEUR DE PRESSION ET ROBINETTERIE BRUTE DE DOUCHE Installation Instructions Instructions pour l'installation / Instrucciones de instalacin **PF4001LS**, PF4001FLS, PF4001CLS, PF...

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PROFLO Faucet Limited Warranty - Terms and Conditions

Official limited warranty information for PROFLO faucets, covering what is and is not covered, obligations, service, limitations, and exclusions. Learn about your PROFLO faucet warranty.

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[pdf] Instructions Specifications

R67418 Installation SheetPROFLO PF4001LS 4001 Series Pressure Balanced MIP X SWEAT

Ceramic Tub and Shower Valve without Stops 1 2 Connection Ferguson Homepf4001x r67418 xxxx im

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PRESSURE BALANCE TUB AND SHOWER ROUGH IN VALVE EQUILIBRA LA PRESIN DE LA VLVULA INTERNA DE BAERA Y DUCHA / BAIGNOIRE AVEC RGULATEUR DE PRESSION ET ROBINETTERIE BRUTE DE DOUCHE Installation Instructions Instructions pour I installation / Instrucciones de instalacin **PF4001LS**, PF4001FLS, PF4001CLS, PF...

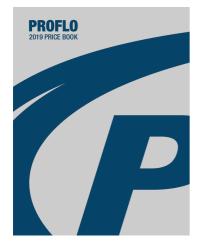
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[pdf] Decleration of Conformity Accessories Borchure

2019 PRICE BOOK 1111465 PROFLO Brochure assets unilogcorp 187 ITEM DOC ||| 2019 PRICE BOOK The PROFLO philosophy is simple: We provide plumbing products that exceed expectat ... Washerless cartridge Price 114.00 21 VALVES ACCUFIT TUB SHOWER ROUGH-IN VALVES SKU PF4001 PF4001LS PF4001C PF4001CLS PF4001F PF4001FLS PF4001P PF4001PLS PF4001WP PF4001WPLS 1/2 end connecti...

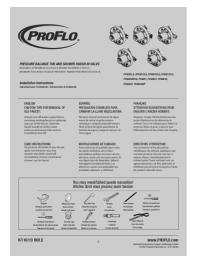
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[pdf] Accessories

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PRESSURE BALANCE TUB AND SHOWER ROUGH IN VALVE EQUILIBRA LA PRESIN DE LA VLVULA INTERNA DE BAERA Y DUCHA / BAIGNOIRE AVEC RGULATEUR DE PRESSION ET ROBINETTERIE BRUTE DE DOUCHE Installation Instructions Instructions pour I installation / Instrucciones de instalacin **PF4001LS**, PF4001FLS, PF4001CLS, PF...

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