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Phylrich DFPHY

Phylrich Pressure Balanced Shower Rough Valve Instruction Manual

Model: DFPHY

INTRODUCTION

This instruction manual provides detailed guidance for the installation, operation, maintenance, and troubleshooting of your Phylrich Pressure Balanced Shower Rough Valve, Model DFPHY. Please read this manual thoroughly before beginning installation or use to ensure proper function and safety.

The Phylrich DFPHY is a high-quality rough valve designed to provide consistent water temperature and pressure for your shower system. Its pressure-balanced design helps prevent sudden temperature changes when other water sources in the home are used.

SAFETY INFORMATION

WARNING:

- Always turn off the main water supply before attempting any installation or maintenance.
- If you are unsure about any part of the installation process, consult a qualified plumber.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- Ensure all connections are secure and leak-free to prevent water damage.
- This product is designed for specific plumbing applications. Do not modify the valve or use it for purposes other than its intended design.

SETUP AND INSTALLATION

Pre-Installation Checklist

- Verify that all necessary components are present and undamaged.
- Ensure that the rough-in dimensions in your wall cavity are compatible with the valve.
- Confirm that your water supply lines are ready for connection.

Tools Required

- Adjustable wrench
- Pipe cutter or hacksaw

- Measuring tape
- Level
- Solder and flux (for copper connections) or appropriate sealant (for threaded connections)
- Screwdriver (Phillips/Flathead)

Installation Steps

1. **Turn off Water Supply:** Locate the main water shut-off valve for your home and turn it off. Open nearby faucets to drain residual water from the lines.
2. **Prepare Rough-in Opening:** Ensure the wall opening is appropriately sized for the valve body. The valve should be securely mounted to a stud or blocking within the wall.
3. **Connect Water Lines:** Identify the hot and cold water inlets on the valve. Connect the hot water supply to the port marked 'H' and the cold water supply to the port marked 'C'. Connect the shower outlet to the top port and the tub spout outlet (if applicable) to the bottom port. Use appropriate plumbing techniques (soldering, threading with sealant) to ensure watertight connections.
4. **Secure the Valve:** Mount the valve securely to the framing using appropriate fasteners. Ensure the valve is level and plumb.
5. **Test for Leaks:** Once all connections are made, slowly turn on the main water supply. Inspect all connections for leaks. If leaks are detected, turn off the water, tighten connections, and retest.
6. **Install Trim Kit:** After successful leak testing and wall finishing, install the decorative trim kit (handle, escutcheon, etc.) according to the trim kit's specific instructions.



Image: The Phylrich Pressure Balanced Shower Rough Valve (Model DFPHY) showing its brass construction and connection points for hot, cold, and outlet lines. This image illustrates the core component before the decorative trim is installed.

OPERATING INSTRUCTIONS

The Phylrich Pressure Balanced Shower Rough Valve operates in conjunction with its corresponding trim kit. The rough valve itself controls the mixing of hot and cold water to maintain a consistent temperature, even with fluctuations in water pressure from other household fixtures.

- **Temperature Control:** Rotate the handle (part of the trim kit) to adjust the water temperature. Typically, rotating counter-clockwise increases hot water, and clockwise increases cold water.
- **Volume Control:** If your trim kit includes a separate volume control, rotate or pull the handle to adjust the water flow rate.
- **Diverter (if applicable):** If your system includes a tub spout, use the diverter on the trim kit to switch water flow between the showerhead and the tub spout.

The pressure-balancing mechanism within the valve automatically adjusts to maintain your selected temperature,

providing a comfortable and safe showering experience.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Phylrich Pressure Balanced Shower Rough Valve.

- **Cleaning:** Clean the visible parts of the trim kit regularly with a soft cloth and mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive pads, as they can damage the finish.
- **Cartridge Inspection:** If you notice a decrease in water flow, inconsistent temperature, or persistent dripping, the internal cartridge may need inspection or replacement. This typically requires turning off the water supply and removing the trim kit. Consult a professional plumber if you are unsure.
- **Leak Checks:** Periodically check for any signs of leaks around the valve body or connections, especially during routine plumbing inspections.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------------------|---|---|
| Inconsistent water temperature | Faulty pressure balancing cartridge; debris in cartridge; inadequate hot/cold water supply. | Inspect/replace cartridge; flush lines; check water heater settings and supply pressure. |
| Low water flow | Clogged showerhead/tub spout; debris in valve cartridge; partially closed shut-off valve. | Clean showerhead/spout; inspect/clean cartridge; ensure all shut-off valves are fully open. |
| Water dripping from showerhead/spout | Worn or damaged cartridge seals. | Replace the valve cartridge. |
| No water flow | Main water supply off; valve completely clogged; severe plumbing issue. | Check main water supply; inspect valve for blockages; consult a plumber. |

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified plumber or Phylrich customer support.

SPECIFICATIONS

| Feature | Detail |
|-----------------|--|
| Brand | Phylrich |
| Model Number | DFPHY |
| Valve Type | Pressure Balanced Rough Valve |
| Material | Brass |
| Exterior Finish | Nickel, Brass (referring to the valve body itself, not trim) |
| Number of Ports | 2 (inlet/outlet configuration) |

| Feature | Detail |
|----------------------|-------------------------------|
| Specification Met | CAL Green, Low Lead Compliant |
| Manufacturer | Phylrich |
| First Available Date | April 28, 2015 |

WARRANTY AND SUPPORT

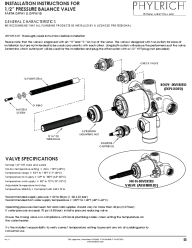

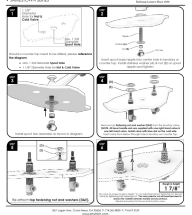
For specific warranty information regarding your Phylrich Pressure Balanced Shower Rough Valve, please refer to the warranty documentation included with your purchase or visit the official Phylrich website. Warranty terms typically cover manufacturing defects for a specified period.


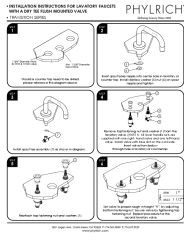
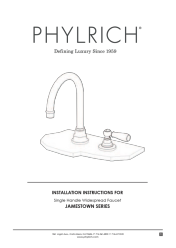
For technical support, replacement parts, or further assistance, please contact Phylrich customer service. Contact information can usually be found on the manufacturer's website or on the product packaging.

It is recommended to keep your proof of purchase for warranty claims.

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Related Documents - DFPHY

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|---|--|
|  | <p>Phylrich DFPHY & DFPHYID 1/2" Pressure Balance Valve Installation Instructions</p> <p>Comprehensive installation guide for the Phylrich DFPHY and DFPHYID 1/2 inch pressure balance valve, covering general characteristics, valve specifications, rough-in dimensions, temperature settings, and maintenance procedures.</p> |
|  | <p>Phylrich 1-124 Wall Mounted Bidet Installation Instructions</p> <p>Comprehensive installation guide for the Phylrich 1-124 Wall Mounted Bidet, detailing valve specifications, parts breakdown, rough-in dimensions, installation procedures, and maintenance tips for optimal performance and longevity.</p> |
|  | <p>Phylrich Jamestown Series Lavatory Faucet Installation Guide & Limited Warranty</p> <p>Comprehensive installation instructions for the Phylrich Jamestown Series lavatory faucet with a dry tee flush mounted valve, including detailed steps, diagrams, and information on the limited lifetime warranty.</p> |

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|  <p>PHYLIRICH® Defining Lavatory Style Since 1958</p> <p>INSTALLATION INSTRUCTIONS FOR 1/2" MINI THERMOSTATIC VALVE + 1/2" DIVERTER CONTROL + 1/2" DIVERTER CONTROL + 1/2" DIVERTER CONTROL</p> | <p>Phylrich 1/2 Mini Thermostatic Valve Installation and Maintenance Guide</p> <p>Comprehensive installation, maintenance, and operation guide for Phylrich 1/2 Mini Thermostatic Valve models (1-115, 1-116, 1-138, 1-117, 1-132), featuring volume control and diverter options.</p> |
|  <p>PHYLIRICH® Defining Lavatory Style Since 1958</p> <p>INSTALLATION INSTRUCTIONS FOR LAVATORY FAUCETS WITH A DRY TEE FLUSH MOUNTED VALVE (PHYLIRICH 1-115)</p> | <p>Phylrich Transition Series Lavatory Faucet Installation Guide & Limited Warranty</p> <p>Comprehensive installation instructions and limited warranty details for the Phylrich Transition Series lavatory faucet with a dry tee flush mounted valve, covering setup, drain assembly, and product coverage.</p> |
|  <p>PHYLIRICH® Defining Lavatory Style Since 1958</p> <p>INSTALLATION INSTRUCTIONS FOR Single Handle Widespread Faucet JAMESTOWN SERIES</p> | <p>Phylrich Jamestown Series Single Handle Widespread Faucet Installation Guide</p> <p>Comprehensive installation instructions for the Phylrich Jamestown Series single handle widespread faucet with high spout and lever handle. Covers spout, valve, and drain assembly with detailed steps and textual descriptions of diagrams.</p> |