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Phylrich ZIPXCART

Phylrich ZIPXCART Thermostatic Shower Valve Cartridge Manual

Model: ZIPXCART

1. Product Overview

The Phylrich ZIPXCART is a thermostatic shower valve cartridge designed to provide precise and consistent water temperature control for your shower system. Constructed from durable brass, this cartridge ensures a reliable and safe showering experience by maintaining your desired water temperature.

Key features include:

- **Precise Temperature Control:** Ensures consistent water temperature.
- **Durable Construction:** Made with a robust brass body for longevity.
- **Easy Installation:** Designed for seamless integration into existing shower systems.
- **Compliant and Safe:** Manufactured in compliance with RoHS and EPA standards, ensuring low lead content.

Image 1.1: The Phylrich ZIPXCART Thermostatic Shower Valve Cartridge. This image displays the brass construction and general form factor of the cartridge, which is essential for temperature regulation in a shower system.

2. Safety Information

Please read all instructions carefully before installation and use. Failure to follow these instructions may result in property damage, personal injury, or improper operation.

- Always turn off the main water supply before attempting any installation or maintenance.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- If you are unsure about any part of the installation process, consult a qualified plumber.
- Ensure all connections are secure to prevent leaks.
- Do not use harsh chemicals or abrasive cleaners on the cartridge or surrounding fixtures.

3. Package Contents

Verify that all components are present before beginning installation:

- Phylrich ZIPXCART Thermostatic Shower Valve Cartridge (1)
- Installation Guide (this document)

4. Specifications

Feature	Specification
Material	Brass
Item Dimensions (L x W x H)	7 x 3 x 2 inches
Inlet Connection Size	3 Inches
Inlet Connection Type	Threaded
Outlet Connection Type	FNPT
Number of Ports	1
Outlet Connection Size	0.25 Inches
Specification Met	CE, CSA, EPA, OSHA, RoHS, ULC
Item Weight	0.01 ounces

5. Installation

The Phylrich ZIPXCART is designed for straightforward installation. However, if you are not experienced with plumbing, professional installation is recommended.

Required Tools (Not Included):

- Adjustable wrench
- Screwdriver (Phillips or flathead, depending on existing trim)
- Plumber's tape (optional, for threaded connections)
- Clean cloth

Installation Steps:

1. **Turn Off Water Supply:** Locate the main water shut-off valve for your home or the specific shut-off valves for the

shower. Turn them off completely to prevent water flow.

2. **Remove Shower Trim:** Carefully remove the shower handle, escutcheon plate, and any other trim components to expose the existing valve body and cartridge. Refer to your shower fixture's manual for specific trim removal instructions.
3. **Remove Old Cartridge:** Depending on your existing valve, there may be a retaining clip, nut, or screws holding the old cartridge in place. Remove these fasteners and gently pull out the old cartridge. You may need to twist it slightly to dislodge it.
4. **Clean Valve Body:** Inspect the inside of the valve body for any debris, mineral deposits, or O-ring remnants. Clean the area thoroughly with a clean cloth.
5. **Install New Cartridge:** Align the new Phylrich ZIPXCART cartridge with the valve body. Ensure any alignment tabs or notches on the cartridge match those in the valve body. Push the cartridge firmly into place until it is fully seated.
6. **Secure Cartridge:** Reinstall the retaining clip, nut, or screws that hold the cartridge in place. Ensure it is securely fastened but do not overtighten.
7. **Reinstall Shower Trim:** Reattach the escutcheon plate, handle, and any other trim components.
8. **Restore Water Supply and Test:** Slowly turn the main water supply back on. Check for any leaks around the valve body and trim. Operate the shower handle to test both hot and cold water flow and temperature control.

6. Operation

The thermostatic shower valve cartridge automatically mixes hot and cold water to maintain a constant output temperature, even if there are fluctuations in the incoming water pressure or temperature. This ensures a comfortable and safe showering experience.

- **Temperature Adjustment:** Use the temperature control handle on your shower fixture to set the desired water temperature. The cartridge will automatically adjust the hot and cold water mix to achieve and maintain this setting.
- **Flow Control:** Use the flow control handle (if present on your fixture) to adjust the water volume.

Note: If your shower fixture has a temperature limit stop, you may need to adjust it to achieve higher temperatures. Refer to your shower fixture's manual for instructions on adjusting the limit stop.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your thermostatic cartridge.

- **Cleaning:** Periodically clean the visible parts of your shower trim with a soft cloth and mild soap. Avoid abrasive cleaners, as they can damage the finish.
- **Mineral Buildup:** In areas with hard water, mineral buildup can affect cartridge performance over time. If you notice a decrease in temperature control or flow, the cartridge may need to be removed and soaked in a vinegar solution to dissolve mineral deposits.
- **Leak Checks:** Regularly inspect around the shower valve and trim for any signs of leaks. Address any leaks promptly to prevent water damage.
- **Annual Inspection:** Consider having a qualified plumber inspect your shower valve and cartridge annually, especially in hard water areas, to ensure proper function and prevent issues.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No hot water or inconsistent temperature	Hot water supply issue, cartridge clogged with mineral deposits, or temperature limit stop set too low.	Check hot water heater. Remove and clean cartridge. Adjust temperature limit stop on shower fixture.
Low water flow	Cartridge clogged with debris or mineral deposits, or water pressure issue.	Remove and clean cartridge. Check main water pressure.
Water leaks from handle or escutcheon	Improperly seated cartridge, damaged O-rings, or loose connections.	Ensure cartridge is fully seated and secured. Inspect and replace O-rings if damaged. Tighten connections.
Water is too hot or too cold (cannot adjust)	Thermostatic element malfunction or incorrect installation.	Verify correct cartridge installation. If problem persists, the cartridge may need replacement. Contact customer support.

9. Warranty and Support

Phylrich products are manufactured to high-quality standards. For specific warranty information regarding your ZIPXCART Thermostatic Shower Valve Cartridge, please refer to the warranty documentation provided with your original purchase or visit the official Phylrich website.

For technical assistance, replacement parts, or any questions not covered in this manual, please contact Phylrich customer support:

- **Website:** www.phylrich.com
- **Contact Information:** Refer to the 'Contact Us' section on the official website for phone numbers and email addresses.