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Taco 572-2

Taco 572-2 1-Inch Sweat Zone Valve Instruction Manual

Model: 572-2 | Brand: Taco

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Taco 572-2 1-inch Sweat Zone Valve. This valve is designed for use in hydronic heating systems to control the flow of heating fluid to specific zones, ensuring efficient and comfortable temperature regulation.

The Taco 572-2 is part of the Gold series, recognized for its quiet and dependable operation in hydronic heating applications. Its robust design and ease of service make it a standard in the industry.

2. SAFETY INFORMATION

WARNING: Electrical and plumbing work should only be performed by qualified personnel. Always disconnect power before servicing the unit.

- Ensure all local codes and regulations are followed during installation.
- Verify that the system pressure and temperature do not exceed the valve's specifications.
- Wear appropriate personal protective equipment (PPE) during installation and maintenance.
- **CAUTION: DISCONNECT #1 WIRE AND WAIT 2 MINUTES BEFORE REMOVING.** This is crucial to prevent injury and damage to the valve.

3. PRODUCT OVERVIEW AND FEATURES

The Taco 572-2 Zone Valve is a high-quality component for hydronic heating systems, offering reliable performance and ease of use. Key features include:

- **Industry Standard:** Part of the Gold series, known for excellence in hydronic heating.

- **Quiet and Dependable:** Engineered for long-lasting, quiet operation.
- **Easy Installation and Service:** Features a manual open lever and a twist-off head for simplified maintenance.
- **Factory Tested:** Each unit undergoes 100% factory testing to ensure quality and performance.
- **Durable Construction:** Made from bronze for longevity.



Figure 1: General view of the Taco 572-2 1-inch Sweat Zone Valve.

4. SETUP AND INSTALLATION

Proper installation is critical for the optimal performance and longevity of your zone valve. Follow these steps carefully:

1. **System Preparation:** Ensure the heating system is depressurized and drained before beginning installation. Isolate the section where the valve will be installed.
2. **Valve Placement:** Install the valve in the return line of the heating coil or zone, if possible. Ensure the flow arrow on the valve body points in the direction of the system flow.
3. **Sweat Connections:** The 572-2 valve features 1-inch sweat connections. Clean and flux the pipe ends and valve connections thoroughly. Use appropriate soldering techniques to create leak-free joints. Avoid overheating the valve body during soldering, as this can damage internal components.



Figure 2: Taco 572-2 Zone Valve showing the flow direction arrow on the valve body.

4. **Electrical Wiring:** Connect the valve's electrical leads to the zone control panel or thermostat according to the wiring diagram provided with your heating system. Ensure all electrical connections are secure and comply with local electrical codes. The valve operates on 24V.



Figure 3: Side view of the Taco 572-2 Zone Valve showing the electrical wiring terminals.

5. **System Refill and Test:** After installation, refill the system, purge air, and check for leaks. Test the valve's operation by activating the associated thermostat to ensure it opens and closes correctly.

5. OPERATING INSTRUCTIONS

The Taco 572-2 Zone Valve operates automatically in response to a call for heat from a thermostat or zone controller. When the thermostat calls for heat, the valve's heat motor is energized, causing the valve to open and allow hot water to flow into the designated heating zone. Once the thermostat is satisfied, the heat motor de-energizes, and the valve closes, stopping the flow of hot water.

Manual Open Lever: The valve is equipped with a manual open lever. This lever can be used to manually open the valve for system filling, purging, or in case of a power outage. Ensure the lever is returned to its automatic position for normal operation.

6. MAINTENANCE

The Taco 572-2 Zone Valve is designed for minimal maintenance. Periodic inspection is recommended to ensure proper function.

- **Visual Inspection:** Periodically check for any signs of leaks around the valve body or connections.
- **Operational Check:** Verify that the valve opens and closes smoothly when the thermostat calls for heat.
- **Head Replacement:** The valve head is designed to be easily replaceable. To remove the head, ensure power is disconnected and wait 2 minutes. Then, twist the head counter-clockwise to detach it from the valve body. Reverse the process to install a new head.



Figure 4: Top view of the Taco 572-2 Zone Valve head, indicating the 'TWIST TO REMOVE' mechanism.

7. TROUBLESHOOTING

If you encounter issues with your Taco 572-2 Zone Valve, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Valve does not open/close	No power to the valve; Faulty thermostat/controller; Damaged valve head.	Check electrical connections and power supply. Test thermostat. Replace valve head if damaged.
Valve leaks	Improperly soldered connections; Damaged valve body or seals.	Inspect connections and re-solder if necessary. If valve body is damaged, replacement may be required.
Valve makes unusual noise	Air in the system; Worn internal components.	Purge air from the system. If noise persists, consider replacing the valve head or the entire valve.

8. SPECIFICATIONS

Specification	Detail
Model Number	572-2
Connection Type	1-inch Sweat (Inlet & Outlet)
Number of Ports	2
Material	Bronze
Exterior Finish	Bronze
Item Dimensions (L x W x H)	1 x 1 x 1 inches
Item Weight	5 pounds
Voltage	24V (typical for zone valves)
Manufacturer	Taco

9. WARRANTY INFORMATION

The Taco 572-2 Zone Valve comes with a manufacturer's warranty:

- **Valve Head:** 3-year warranty
- **Valve Body:** 5-year warranty

Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official Taco documentation or contact customer support.

10. CUSTOMER SUPPORT

For technical assistance, replacement parts, or further information regarding the Taco 572-2 Zone Valve, please contact Taco customer support. Refer to the official Taco website or product packaging for current contact details.

