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## Kohler K-TS23501-4-BV

# KOHLER K-TS23501-4-BV Parallel Rite-Temp Valve Trim Instruction Manual

Model: K-TS23501-4-BV

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## 1. INTRODUCTION

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This manual provides instructions for the installation, operation, and maintenance of your KOHLER K-TS23501-4-BV Parallel Rite-Temp Valve Trim. Please read all instructions carefully before beginning installation or use to ensure proper function and safety. This trim kit is designed to complement the Parallel collection, offering a balanced and versatile aesthetic.

## 2. SAFETY INFORMATION

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Always observe basic safety precautions when installing or servicing plumbing fixtures. Failure to follow these instructions could result in property damage, personal injury, or death.

- Turn off the main water supply before installation or any maintenance.
- Wear appropriate personal protective equipment, such as safety glasses.
- Ensure all connections are secure to prevent leaks.
- If you are unsure about any part of the installation process, consult a qualified plumber.

## 3. BEFORE YOU BEGIN

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This product is a trim kit only. A compatible KOHLER Rite-Temp pressure-balancing valve is required for complete installation and must be purchased separately. Ensure you have all necessary components and tools before starting.



Figure 1: KOHLER K-TS23501-4-BV Parallel Rite-Temp Valve Trim. This image shows the complete trim kit, including the handle and escutcheon plate, in a Vibrant Brushed Bronze finish.

## 4. INSTALLATION

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Installation of this valve trim requires plumbing knowledge. It is recommended to consult a qualified plumber for installation. If performing a DIY installation, ensure the main water supply is turned off before beginning any work. Refer to the installation guide provided with your Rite-Temp valve for specific rough-in dimensions and valve body installation steps. This trim kit is designed to fit seamlessly with the KOHLER Rite-Temp pressure-balancing valve.

### 4.1 Required Tools (Not Included)

- Adjustable wrench
- Screwdriver (Phillips and/or flathead)
- Plumber's tape
- Sealant (if required by valve instructions)

### 4.2 Installation Steps (General Overview)

1. Ensure the Rite-Temp valve body is correctly installed and secured within the wall according to its specific instructions.
2. Attach the escutcheon plate to the valve body, ensuring it is level and flush against the wall. Secure with provided screws.
3. Install the handle assembly onto the valve stem. Ensure proper alignment for temperature and flow control.
4. Test for leaks by slowly turning on the main water supply and inspecting all connections.
5. Adjust temperature limit stop if necessary, following the Rite-Temp valve instructions.

## 5. OPERATION

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The KOHLER Parallel Rite-Temp Valve Trim features a single handle for controlling both water flow and temperature.

- **On/Off Activation:** Rotate the handle to turn the water on or off.
- **Temperature Setting:** Rotate the handle to adjust the water temperature. The Rite-Temp valve's pressure-balancing diaphragm technology maintains the outlet temperature within +/-3°F (approximately +/-1.7°C) during water pressure fluctuations, providing anti-scald protection.

## 6. CARE AND CLEANING

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To maintain the finish of your KOHLER Parallel Rite-Temp Valve Trim, follow these guidelines:

- Clean regularly with a soft, damp cloth.
- Avoid abrasive cleaners, harsh chemicals, or scouring pads, as these can damage the finish.
- For stubborn spots, use a mild soap solution and rinse thoroughly with water, then dry with a soft cloth.
- KOHLER finishes are designed to resist corrosion and tarnishing, ensuring long-lasting beauty with proper care.

## 7. TROUBLESHOOTING

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If you experience issues with your valve trim, refer to the following common solutions:

- **Low Water Flow:** Check for debris in the valve or connected showerhead/faucet aerator. Ensure water supply lines are fully open.
- **Inconsistent Water Temperature:** Verify that the Rite-Temp valve is correctly installed and calibrated. If the issue persists, professional inspection may be required to check the pressure-balancing unit.
- **Leaking:** Ensure all connections are tight. If leaking continues from the trim, the internal components of the Rite-Temp valve body may require professional service or replacement.
- **Handle Stiffness:** Over time, mineral deposits can affect handle movement. Clean the area around the handle base. If stiffness persists, the valve cartridge may need inspection.

## 8. SPECIFICATIONS

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Feature	Detail
Model Number	K-TS23501-4-BV
Brand	Kohler
Material	Zinc
Exterior Finish	Vibrant Brushed Bronze
Item Dimensions (L x W x H)	3.94 x 6.25 x 6.25 inches
Item Weight	2.22 pounds
Number of Ports	2
Specification Met	ASME, CSA, NSF
Included Components	Parallel Rite-Temp Shower Valve Trim
Batteries Required?	No

## 9. WARRANTY INFORMATION

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KOHLER products are manufactured to high standards of quality and performance. For detailed warranty information, please refer to the official KOHLER website or contact KOHLER customer service. Keep your proof of purchase for warranty claims. Warranty terms and conditions may vary by region and product type.

## 10. CUSTOMER SUPPORT

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For further assistance, technical support, or to inquire about replacement parts, please visit the official KOHLER website at [www.kohler.com](http://www.kohler.com) or contact KOHLER customer service directly. You can also visit the [Kohler Store on Amazon](#) for product information and support.