

GROHE 34331000

GROHE Grohtherm Thermostat Rough-In Valve 34331000 User Manual

Model: 34331000

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your GROHE Grohtherm Thermostat Rough-In Valve 34331000. Please read these instructions carefully before beginning installation or use to ensure safe and efficient operation. Retain this manual for future reference.

2. SAFETY INFORMATION

Important Safety Instructions:

- Installation must be performed by a qualified, licensed plumber in accordance with all local plumbing and building codes.
- Ensure the main water supply is turned off before any installation or maintenance work.
- Verify all connections are secure and leak-free before restoring water supply.
- This thermostatic valve is designed to maintain a consistent water temperature. However, always test water temperature with your hand before full immersion, especially for children or individuals with sensitive skin.
- Do not modify the product. Use only genuine GROHE replacement parts.

3. PRODUCT OVERVIEW

The GROHE Grohtherm Thermostat Rough-In Valve 34331000 is a high-quality thermostatic mixing valve designed for concealed installation in shower or bath systems. It features GROHE's TurboStat technology, which provides precise and rapid temperature control, ensuring a comfortable and safe showering experience.

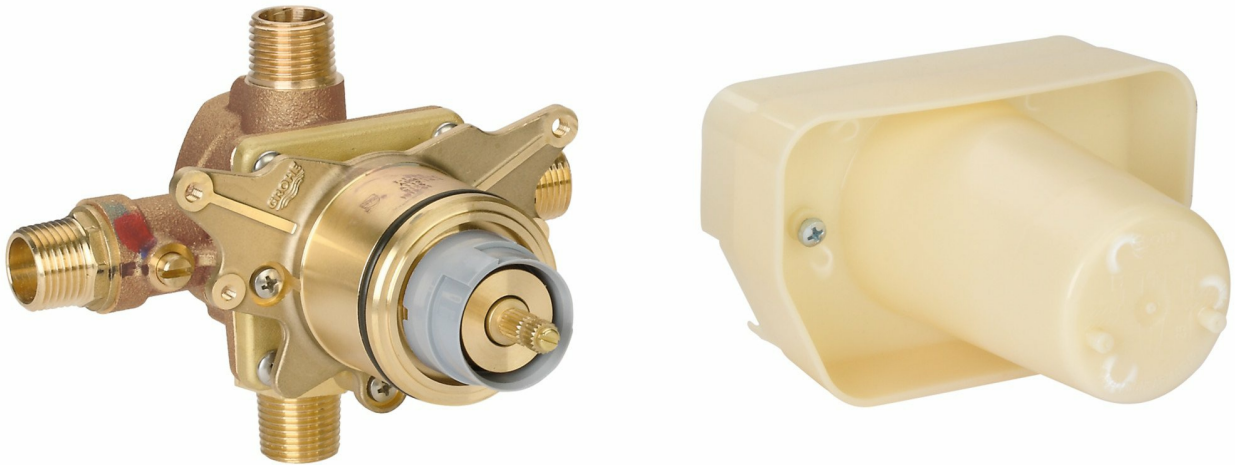


Figure 1: GROHE Grohtherm Thermostat Rough-In Valve 34331000. This image shows the main body of the rough-in valve, typically installed behind the wall, with its various connection points for hot and cold water lines and outlets.

Key Features:

- **Thermostat Rough-In Valve:** Designed for concealed installation, providing a clean aesthetic.
- **Paraffin Cartridge:** Utilizes advanced thermostatic technology for accurate temperature regulation.
- **Concealed THM 1/2 inch NPT with Stops:** Features 1/2 inch National Pipe Tapered (NPT) connections with integrated service stops for easy maintenance.
- **Service Stops:** Allows for isolation of water supply to the valve for maintenance without shutting off the main household supply.
- **Built-in Check Valves:** Prevents cross-flow of hot and cold water, ensuring optimal performance and safety.

4. SETUP AND INSTALLATION

Professional installation by a licensed plumber is strongly recommended.

Installation Steps (General Guidelines):

1. **Prepare the Installation Area:** Ensure adequate space within the wall for the rough-in valve.
2. **Turn Off Water Supply:** Locate and turn off the main water supply to the property.
3. **Connect Water Lines:** Connect the hot and cold water supply lines to the designated inlets on the valve. The valve features 1/2 inch NPT connections. Ensure proper sealing using plumber's tape or thread sealant.
4. **Connect Outlet Lines:** Connect the outlet lines to the showerhead, hand shower, or bath spout as required by your specific shower system configuration.
5. **Secure the Valve:** Mount the rough-in valve securely to the wall studs or blocking according to the manufacturer's specifications and local codes.
6. **Test for Leaks:** Slowly turn on the main water supply and carefully inspect all connections for any leaks. Address any leaks immediately.
7. **Install Trim Kit:** Once the rough-in valve is installed and tested, proceed with installing the decorative trim kit (sold separately) according to its specific instructions.

Note: Refer to the detailed installation instructions provided with your specific GROHE trim kit for precise measurements and steps.

5. OPERATING INSTRUCTIONS

The Grohtherm Thermostat Rough-In Valve works in conjunction with a compatible GROHE trim kit (e.g., a temperature handle and a volume/diverter handle). The operation typically involves:

- **Temperature Control:** Use the temperature handle on your trim kit to set the desired water temperature. The thermostatic valve will automatically mix hot and cold water to maintain this temperature, even if water pressure fluctuates.
- **Flow Control/Diverter:** Use the volume control or diverter handle on your trim kit to turn the water on/off and direct it to different outlets (e.g., showerhead, hand shower, bath spout).

The TurboStat technology ensures that your selected water temperature is maintained precisely at each water outlet, providing a consistent and comfortable experience.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your GROHE Grohtherm valve.

- **Cleaning:** Clean the visible parts of your trim kit regularly with a soft cloth and mild soap. Avoid abrasive cleaners, scouring pads, or chemicals that could damage the finish.
- **Service Stops:** The integrated service stops allow for easy isolation of the valve for maintenance. If you need to perform work on the valve itself, turn off the service stops before proceeding.
- **Cartridge Maintenance:** In areas with hard water, mineral deposits can affect the thermostatic cartridge over time. If you notice a decrease in temperature accuracy or flow, the cartridge may need cleaning or replacement. This should be performed by a qualified plumber.
- **Check for Leaks:** Periodically inspect the area around the valve for any signs of leaks. Address any leaks promptly to prevent water damage.

7. TROUBLESHOOTING

If you encounter issues with your Grohtherm Thermostat Rough-In Valve, consider the following common solutions:

- **Inconsistent Water Temperature:**
 - Ensure hot and cold water supplies are fully open.
 - Check if the thermostatic cartridge is clogged with mineral deposits (requires professional inspection/cleaning).
 - Verify that the hot water heater is functioning correctly and providing sufficient hot water.
- **Low Water Flow:**
 - Check if the service stops are fully open.
 - Inspect the trim kit's flow restrictor or showerhead for clogs.
 - Ensure adequate water pressure from the main supply.
- **No Water Flow:**
 - Confirm that the main water supply and service stops are open.
 - Check for any blockages in the water lines.

If problems persist, contact a qualified plumber or GROHE customer support for assistance.

8. SPECIFICATIONS

Attribute	Detail
Model Number	34331000
Brand	GROHE
Material	Metal
Item Dimensions (L x W x H)	7.48 x 7.48 x 7.09 inches
Inlet Connection Size	0.5 Inches NPT
Outlet Connection Size	0.5 Inches NPT
Number of Ports	2
Valve Type	Thermostatic, Check Valve
Item Weight	1 Pound

9. WARRANTY AND SUPPORT

Warranty Information:

This GROHE Grohtherm Thermostat Rough-In Valve 34331000 is covered by a **Limited Lifetime Warranty**. For specific terms and conditions of the warranty, please refer to the official GROHE warranty documentation or visit the GROHE website.

Customer Support:

For technical assistance, replacement parts, or warranty claims, please contact GROHE customer service.

You can typically find contact information on the official GROHE website or through your product retailer.

Website: www.grohe.com

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