

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [GROHE](#) /

› [GROHE Grohsafe 3.0 Pressure Balance Rough-In Valve with Integrated Diverter User Manual](#)

GROHE 35117000

GROHE Grohsafe 3.0 Pressure Balance Rough-In Valve with Integrated Diverter User Manual

Model: 35117000

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the GROHE Grohsafe 3.0 Pressure Balance Rough-In Valve with Integrated Diverter (Model 35117000). This valve is designed to provide consistent water temperature and flow for shower and bath applications, featuring a convertible diverter for 2-way or 3-way functionality. Please read all instructions carefully before beginning installation or use to ensure proper function and safety.

IMPORTANT SAFETY INFORMATION

- Always shut off the main water supply before installing or servicing the valve.
- Wear appropriate personal protective equipment, including safety glasses and gloves, during installation.
- Ensure all plumbing connections are secure and watertight to prevent leaks.
- If you are unsure about any part of the installation process, consult a qualified plumber.
- Adhere to all local plumbing codes and regulations.

COMPONENTS AND FEATURES OVERVIEW

The GROHE Grohsafe 3.0 valve is engineered for ease of installation and reliable performance. Key features include:

- **Flat Back Design:** Allows the valve to mount flush with the cross brace for a clean installation.
- **Aligned Inlets and Outlets:** Designed to prevent misaligned piping and rough-in errors.
- **2-Way/3-Way Convertible Diverter:** Accommodates various shower and bath configurations.
- **Diverter Test Cap:** Enables testing and flushing of lines without the need for the final cartridge.
- **Convertible Flush Plug/Test Cap:** Allows testing with air (up to 200 psi) or water (up to 300 psi) and flushing without the cartridge.

- **Integral Service Stops:** Facilitate easy servicing at the valve.



Flat Back

Valve mounts flush with the cross brace

Aligned Inlets and Outlets

Eliminates potential for misaligned piping and rough-in mistakes

Integral Service Stops

Ensure easy servicing at the valve

2-Way/3-Way Convertible

Accommodates both 2-way and 3-way applications

Diverter Test Cap

Eliminates removal of cartridge during installation for testing and flushing lines

Convertible Flush Plug/Test Cap

Eliminates removal of cartridge during installation and allows flushing of lines without cross flow

Figure 1: Labeled diagram highlighting key features of the Grohsafe 3.0 valve, including the flat back, aligned inlets and outlets, 2-way/3-way convertible diverter, diverter test cap, convertible flush plug/test cap, and integral service stops.



Figure 2: Exploded view illustrating the various components of the Grohsafe 3.0 valve, showing how they fit together for assembly and function.

INSTALLATION INSTRUCTIONS

Proper installation is crucial for the optimal performance of your GROHE Grohsafe 3.0 valve. Follow these steps carefully:

1. Prepare the Installation Area

1. Ensure the main water supply is turned off.
2. Frame the shower or bath wall opening according to local building codes and the valve's dimensions.
3. Mount a sturdy cross brace between the studs at the desired height for the valve.

2. Mount the Valve Body

1. Position the valve body against the cross brace, ensuring the 'UP' marking on the valve is oriented correctly.
2. Secure the valve body to the cross brace using appropriate fasteners through the mounting holes. The flat back design allows for flush mounting.



Figure 3: Example of rough-in plumbing with the Grohsafe 3.0 valve installed on a cross brace between wall studs, showing copper pipe connections.

3. Connect Water Lines

1. Connect the hot and cold water supply lines to the designated inlets on the valve body. The valve supports FIP, MNPT, FNPT, or Sweat connections.
2. Connect the outlet lines to your showerhead, hand shower, or tub spout as required by your trim kit and desired configuration.

3. Ensure all connections are properly sealed and tightened to prevent leaks.

4. Install Plaster Guard and Rough-In Guide

1. Attach the plaster guard to the valve body. The self-aligning screw holes simplify this process.
2. Use the clear rough-in guide on the plaster guard to ensure the correct rough-in depth (1 3/4" minimum to 2 3/4" maximum from the back of the valve to the finished wall).

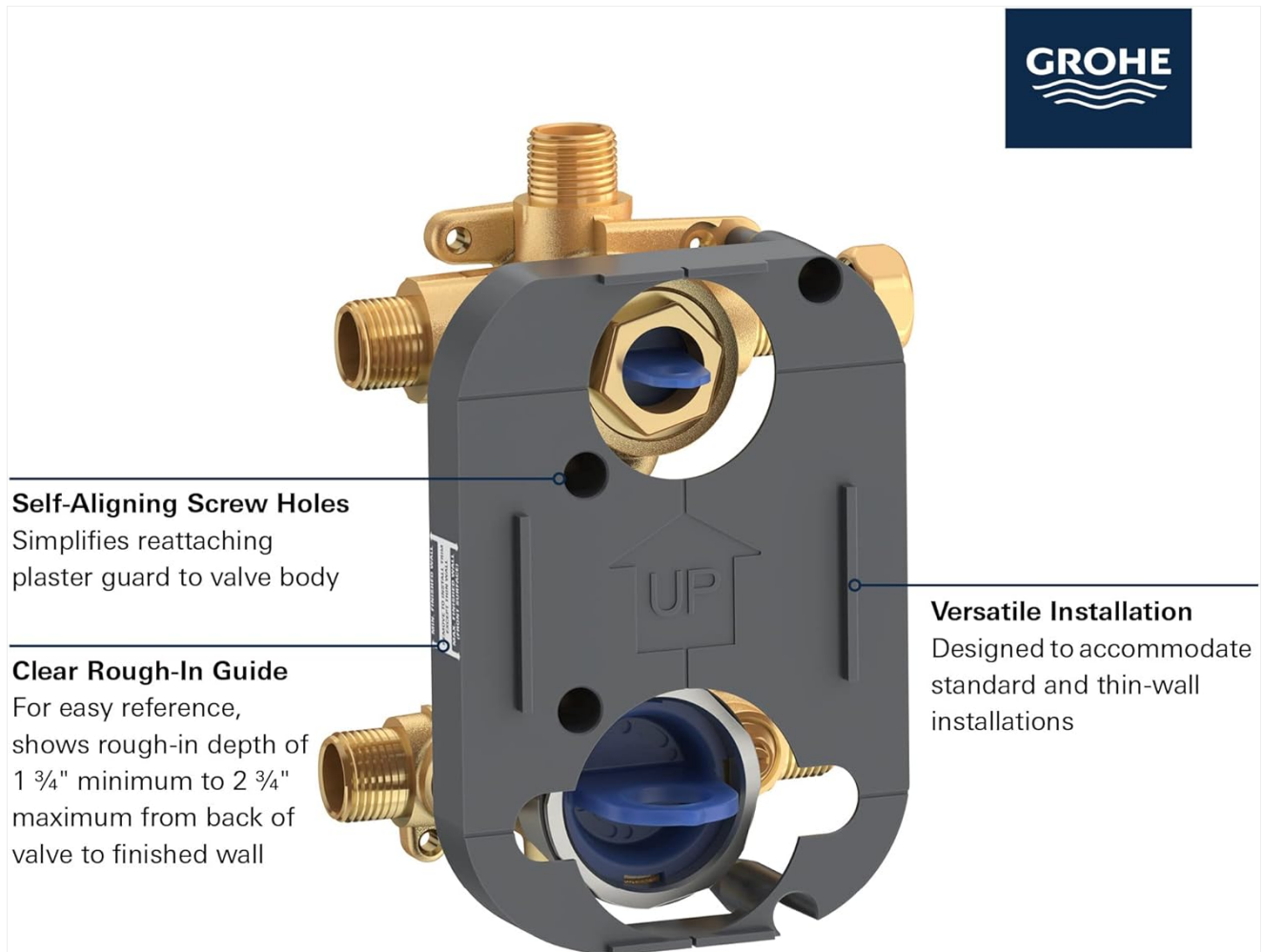


Figure 4: The Grohsafe 3.0 valve shown with its plaster guard, highlighting the self-aligning screw holes and the clear rough-in guide for precise installation depth.

5. Test and Flush

1. Before installing the final cartridge (sold separately with trim), use the flush plugs/test caps to test the system for leaks. The valve can be tested with air (up to 200 psi) or water (up to 300 psi).
2. Flush the lines thoroughly to remove any debris before installing the cartridge.



Figure 5: The Grohsafe 3.0 valve properly installed within a shower wall, ready for the application of the finished wall material and trim kit.

OPERATION

The GROHE Grohsafe 3.0 is a rough-in valve and requires a compatible GROHE trim kit (sold separately) for full operation. Once the trim kit and cartridge are installed, the valve will provide:

- **Pressure Balance:** Maintains a consistent water temperature even with fluctuations in hot or cold water supply pressure.
- **Integrated Diverter:** Allows you to switch water flow between different outlets (e.g., showerhead, hand shower, tub spout) depending on your trim kit's configuration.

Refer to your specific trim kit's instruction manual for detailed operating procedures, including temperature adjustment and diverter functionality.

MAINTENANCE

The GROHE Grohsafe 3.0 valve is designed for long-lasting performance with minimal maintenance. However,

periodic checks can help ensure its longevity:

- **Leak Inspection:** Periodically check for any signs of leaks around the valve body or connections. Address any leaks promptly.
- **Cartridge Replacement:** The valve cartridge, which is part of the trim kit, may need replacement over time due to wear or mineral buildup. Refer to your trim kit's manual for instructions on cartridge replacement.
- **Service Stops:** The integral service stops allow for easy isolation of the valve for maintenance without shutting off the main water supply to the entire house. Consult a plumber if you need to utilize these for servicing.

TROUBLESHOOTING

If you encounter issues with your GROHE Grohsafe 3.0 valve, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No water flow or low pressure	Main water supply off; clogged lines; faulty cartridge.	Check main water supply. Flush lines. Inspect and replace cartridge if necessary (refer to trim kit manual).
Water temperature inconsistent	Faulty pressure balance cartridge; incorrect temperature limit stop setting on trim kit.	Replace cartridge. Adjust temperature limit stop (refer to trim kit manual).
Diverter not switching outlets correctly	Diverter cartridge issue; debris in diverter mechanism.	Inspect and clean diverter cartridge. Replace diverter cartridge if damaged or worn. Ensure all parts are present and correctly installed.
Leaks around the valve body or connections	Loose connections; damaged O-rings or seals; cracked valve body.	Tighten connections. Inspect and replace O-rings/seals. If valve body is cracked, replacement is necessary.

If these troubleshooting steps do not resolve the issue, contact a qualified plumber or GROHE customer support for assistance.

SPECIFICATIONS

Below are the technical specifications for the GROHE Grohsafe 3.0 Pressure Balance Rough-In Valve (Model 35117000):

Feature	Detail
Material	Brass
Item Dimensions (L x W x H)	3.75 x 4.84 x 9.25 inches
Exterior Finish	Stainless Steel
Inlet Connection Type	FIP or MNPT or FNPT or Sweat
Outlet Connection Type	FIP or MNPT or FNPT or Sweat
Maximum Operating Pressure	300 Pound per Square Inch

Feature	Detail
Number of Ports	3
Specification Met	ADA, CSA, ETL
Item Weight	1 pound
Installation Method	Wall Mount
Included Components	Installation guide

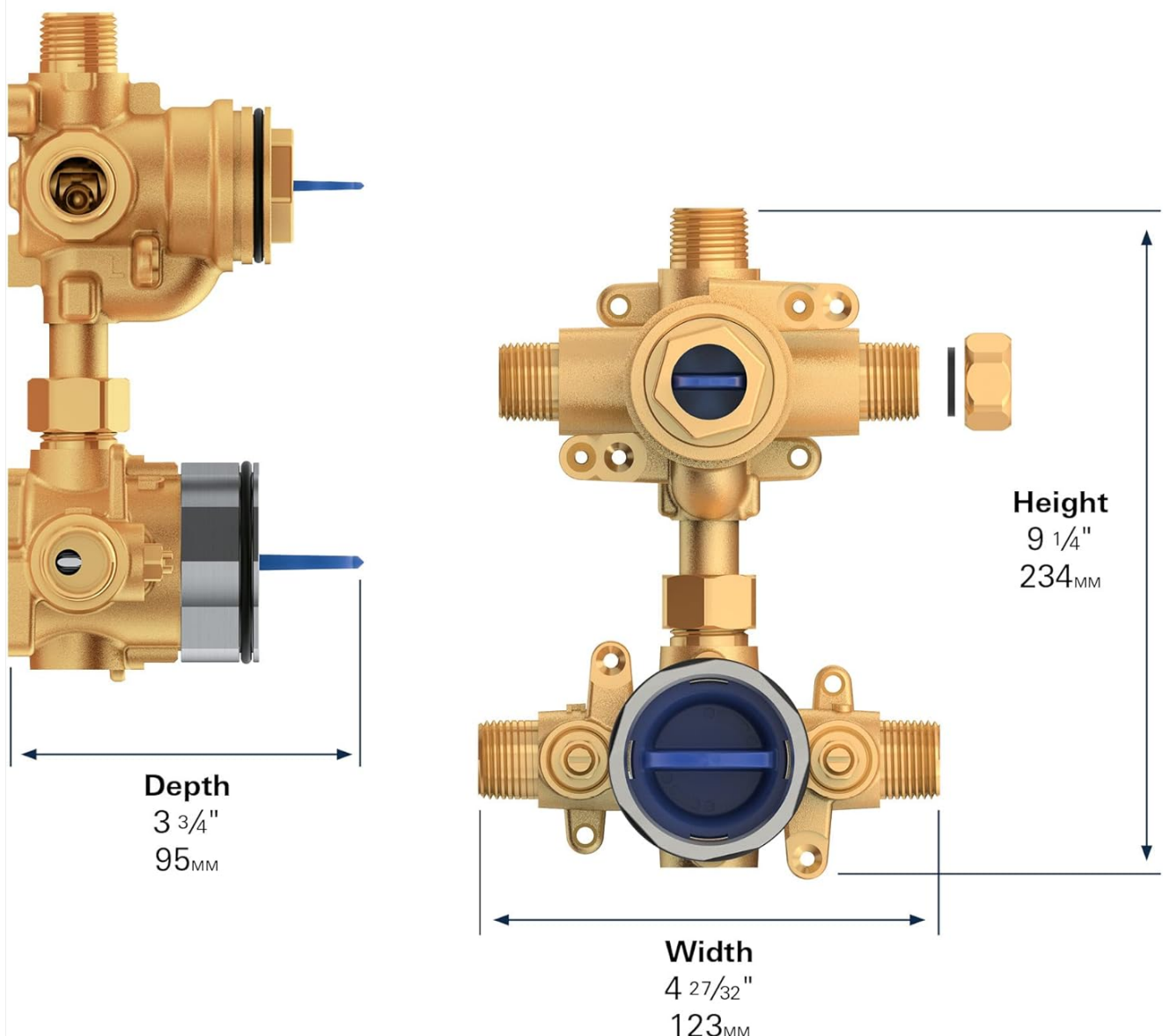


Figure 6: Detailed dimensions of the Grohsafe 3.0 valve, including height, width, and depth measurements for installation planning.

WARRANTY INFORMATION

The GROHE Grohsafe 3.0 Pressure Balance Rough-In Valve is covered by a LIMITED warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the official GROHE warranty documentation

provided with your product or visit the GROHE website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact GROHE customer service. You can typically find contact information on the GROHE official website or within the packaging of your product. When contacting support, please have your product model number (35117000) and proof of purchase readily available.