

## GROHE 35065001

# GROHE 35065001 Grohsafe Universal Pressure Balance Rough-In Valve Instruction Manual

Model: 35065001

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your GROHE 35065001 Grohsafe Universal Pressure Balance Rough-In Valve. This valve is designed for reliable performance and precise water temperature control in your shower system. Please read these instructions carefully before beginning installation to ensure proper function and safety.

## 2. SAFETY INFORMATION

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- Always turn off the main water supply before beginning any plumbing work.
- Wear appropriate personal protective equipment, 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 and watertight to prevent leaks.
- Do not overtighten connections, as this can damage the valve or pipes.

## 3. PACKAGE CONTENTS

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Verify that all components are present before starting installation:

- GROHE 35065001 Grohsafe Universal Pressure Balance Rough-In Valve body
- Protective blue cap (for rough-in stage)
- Installation hardware (screws, mounting bracket)
- Instruction manual (this document)

## 4. SPECIFICATIONS

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<b>Material</b>	Brass
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<b>Inlet Connection Size</b>	0.5 Inches
<b>Inlet Connection Type</b>	PEX crimp (1807)
<b>Outlet Connection Type</b>	PEX
<b>Outlet Connection Size</b>	0.5 Inches
<b>Number of Ports</b>	2
<b>Product Dimensions (L x W x H)</b>	2.95 x 17.09 x 7.2 inches
<b>Item Weight</b>	3 pounds
<b>Certifications</b>	ASME, ANSI, CSA, ULC, NSF, IAPMO, WaterSense, ISO 9001, ASSE

## 5. SETUP AND INSTALLATION

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The GROHE Grohsafe Universal Pressure Balance Rough-In Valve is designed for concealed installation within a wall. Proper installation is crucial for optimal performance and safety.

### 5.1 Pre-Installation Steps

1. **Turn off Water Supply:** Locate and turn off the main water supply to your home.
2. **Prepare Wall Opening:** Create an appropriate opening in the wall for the valve body, ensuring sufficient space for connections and future access.
3. **Identify Inlets/Outlets:** The valve has clearly marked hot and cold inlets, and an outlet for the showerhead/tub spout.

### 5.2 Valve Installation

1. **Mount the Valve:** Secure the valve body to a sturdy framing member within the wall opening using the provided mounting bracket and screws. Ensure the valve is level and at the correct depth relative to the finished wall surface.
2. **Connect Water Lines:** Connect the hot and cold water supply lines to the respective 1/2" PEX crimp (1807) inlets on the valve. Use appropriate PEX crimping tools and fittings to ensure secure, leak-free connections.
3. **Connect Outlet Lines:** Connect the showerhead and/or tub spout outlet lines to the valve's PEX outlets.
4. **Install Service Stops:** The valve includes integrated service stops. Ensure these are accessible for future maintenance.
5. **Pressure Test:** Before closing the wall, turn on the main water supply and carefully check all connections for leaks. Address any leaks immediately.
6. **Install Protective Cap:** Keep the blue protective cap on the valve during the rough-in phase to protect internal components from debris and damage.

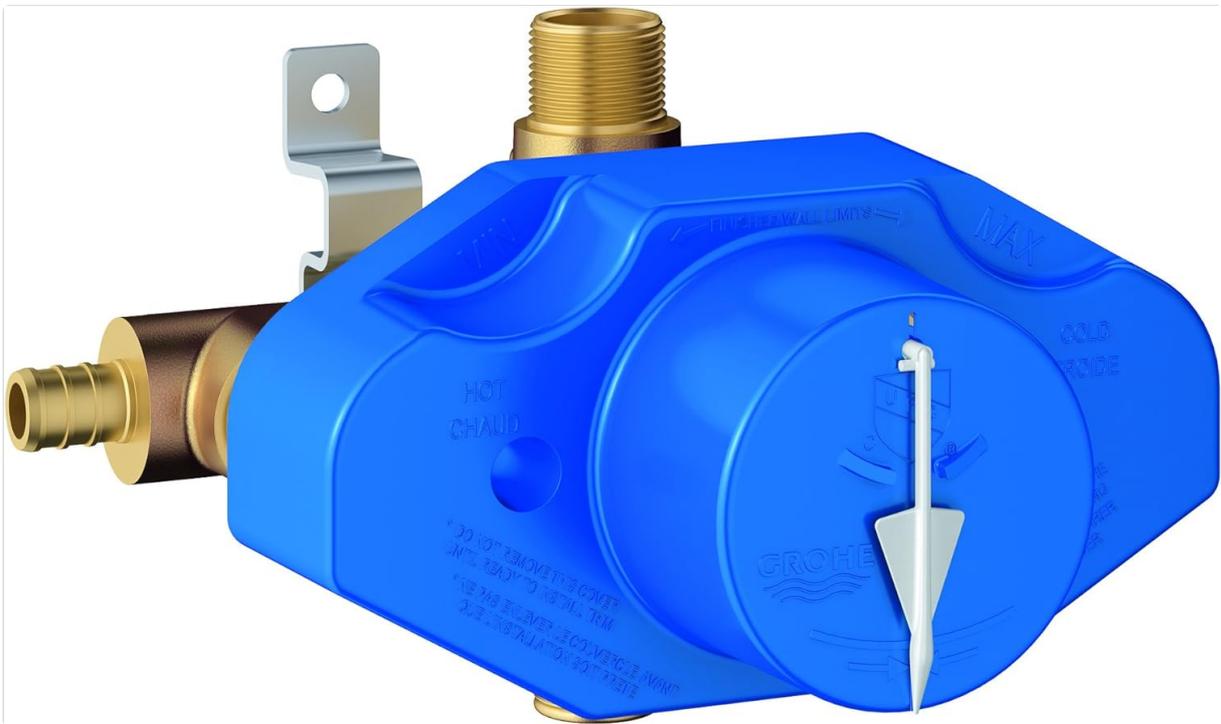


Image 1: GROHE 35065001 Grohsafe Universal Pressure Balance Rough-In Valve with its blue protective cover installed, showing the PEX crimp inlets and outlet. This cover protects the internal components during the rough-in phase of installation.

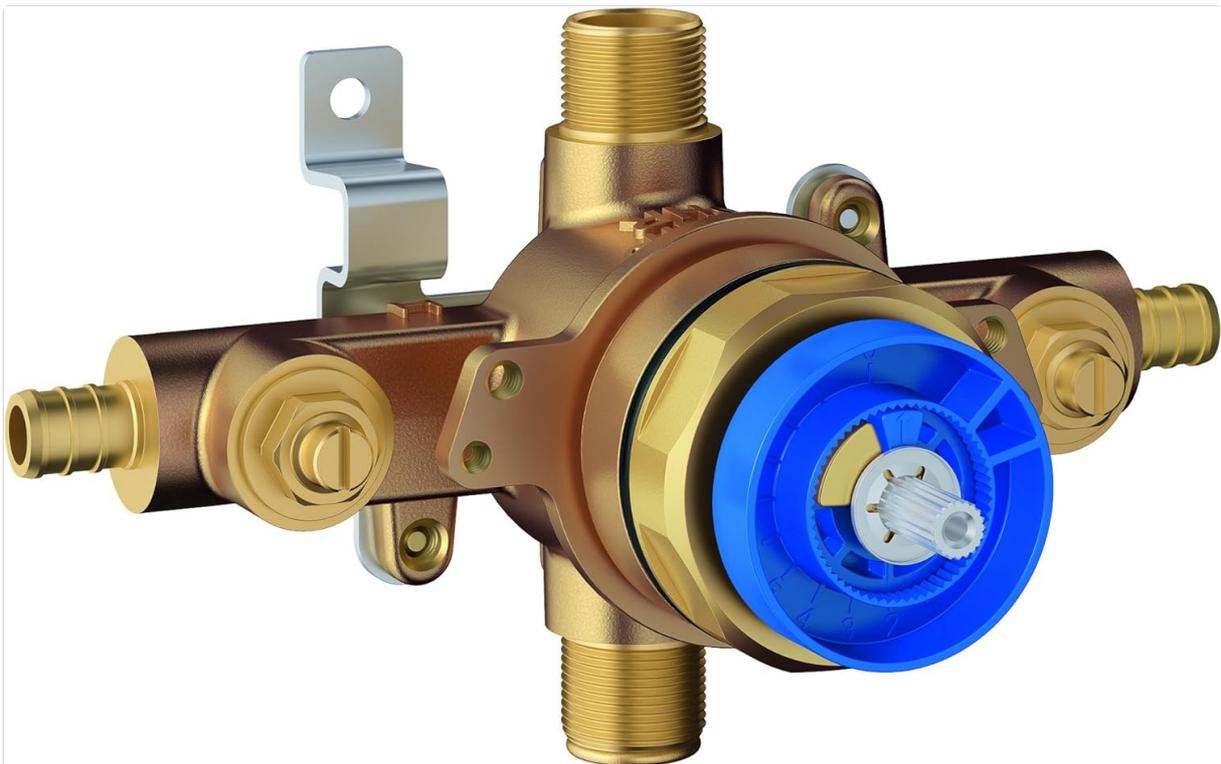


Image 2: GROHE 35065001 Grohsafe Universal Pressure Balance Rough-In Valve without its protective cover, revealing the brass body, PEX connections, and the internal diaphragm cartridge and handle spline.

## 6. OPERATING INSTRUCTIONS

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The Grohsafe Universal Pressure Balance Rough-In Valve works in conjunction with a compatible GROHE trim kit (sold separately) to control water flow and temperature. Once the trim kit is installed, the valve's internal components, including the diaphragm cartridge and handle limit stop, ensure a consistent and safe showering experience.

- **Temperature Control:** The handle on your trim kit will rotate to adjust the water temperature. The integrated handle limit stop within the rough-in valve can be set during installation to prevent excessively hot water, enhancing safety.
- **Pressure Balance:** The pressure balance feature automatically adjusts the mix of hot and cold water to maintain a constant temperature, even if there are sudden pressure drops in either the hot or cold supply lines (e.g., someone flushes a toilet).
- **GROHE SilkMove:** The ceramic cartridge technology provides smooth and precise control over water flow and temperature with minimal effort.

## 7. MAINTENANCE

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

- **Cleaning:** The rough-in valve itself is concealed and generally does not require cleaning. For the visible trim kit, use a soft cloth and mild soap. Avoid abrasive cleaners or harsh chemicals.
- **Cartridge Replacement:** Over time, the diaphragm cartridge (part of the Grohe SilkMove technology) may require replacement if you experience issues with temperature control or leaks. Refer to your trim kit's manual or GROHE's official website for specific cartridge replacement instructions and part numbers. This typically involves turning off the water supply at the service stops or main, removing the trim, and replacing the cartridge.
- **Check Valves:** The integrated check valves prevent cross-flow of hot and cold water. If you suspect issues with water mixing, these may need inspection by a professional.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
<b>No water flow or low flow</b>	Main water supply off, service stops closed, debris in cartridge, clogged showerhead.	Check main water supply. Ensure service stops are fully open. Clean or replace cartridge. Clean showerhead.
<b>Water temperature too hot or too cold</b>	Handle limit stop incorrectly set, faulty cartridge, insufficient hot/cold water supply.	Adjust handle limit stop (refer to trim kit instructions). Inspect/replace cartridge. Check hot/cold water heater settings and supply pressure.
<b>Water drips from showerhead/tub spout</b>	Worn cartridge seals, debris in cartridge.	Replace the cartridge.
<b>Sudden temperature changes during shower</b>	Pressure balance mechanism issue, significant pressure fluctuations in home.	Inspect cartridge for damage. Consult a plumber to assess home's water pressure system.

If these solutions do not resolve the issue, contact GROHE customer support or a qualified plumber.

## 9. WARRANTY AND SUPPORT

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GROHE products are manufactured to the highest quality standards and come with a manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official GROHE website. For technical assistance, replacement parts, or further support, please contact GROHE customer service directly.

**GROHE Official Website:** [www.grohe.com](http://www.grohe.com)