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Geberit 282350212 Type 290

Geberit 282350212 Type 290 Flush Valve Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Geberit 282350212 Type 290 Flush Valve. This valve is designed for use in ceramic cisterns and features a dual-flush mechanism for efficient water usage. Please read these instructions carefully before proceeding with installation or use to ensure proper function and longevity of the product.





Image 1.1: The Geberit 282350212 Type 290 Flush Valve. This image displays the main assembly of the flush valve, highlighting its internal components and adjustment mechanisms.

2. COMPONENTS OVERVIEW

The Geberit 282350212 Type 290 Flush Valve system includes several key components necessary for its function and installation. Familiarize yourself with these parts before beginning the installation process.

- Flush Valve Assembly: The main unit responsible for water release and sealing.
- Flush Button/Actuator: Mechanism for initiating the flush (typically dual-flush).
- Sealing Gaskets: Various rubber or foam seals to ensure watertight connections.
- Mounting Nut/Washer: Secures the valve to the cistern.
- Wrench (optional, may be included): For tightening the mounting nut.



Image 2.1: Exploded view of the Geberit 282350212 Flush Valve and its accompanying components. This includes the main valve body, sealing rings, mounting nut, and the dual-flush button.

3. INSTALLATION INSTRUCTIONS

Proper installation is crucial for the optimal performance of your Geberit flush valve. If you are unsure about any step, it is recommended to consult a qualified plumber.

1. **Preparation:** Turn off the water supply to the toilet and flush the toilet to empty the cistern. Remove the cistern lid. Disconnect the water supply line from the fill valve.
2. **Remove Old Valve:** If replacing an existing valve, unfasten the mounting nut from underneath the cistern and carefully remove the old flush valve. Clean the cistern thoroughly, especially around the flush valve opening.
3. **Install New Valve:** Place the large sealing gasket onto the base of the new Geberit flush valve. Insert the valve into the flush opening at the bottom of the cistern. Ensure it is seated correctly and centered.
4. **Secure Valve:** From underneath the cistern, thread the mounting nut onto the valve shank and tighten it securely by hand, then use the provided wrench (if applicable) or an appropriate tool to tighten further. Do not overtighten, as this can damage the cistern.
5. **Adjust Height:** The Geberit Type 290 valve is adjustable in height. Adjust the valve to the appropriate height for your cistern, ensuring the overflow pipe is below the cistern's overflow level and the flush button mechanism aligns with the cistern lid opening. Refer to the markings on the valve for guidance.
6. **Connect Flush Button:** Attach the flush button mechanism to the top of the flush valve, ensuring it engages correctly with the dual-flush levers.
7. **Reconnect Water:** Reconnect the water supply line to the fill valve and turn on the water supply. Check for leaks around the flush valve and water supply connections.

8. **Test Flush:** Allow the cistern to fill and perform several test flushes to ensure proper operation and sealing.





Image 3.1: Side view of the Geberit 282350212 Flush Valve, illustrating its adjustable height feature and overflow pipe. This view is helpful during the installation process for proper alignment.

4. OPERATING THE DUAL-FLUSH MECHANISM

The Geberit 282350212 Type 290 Flush Valve features a dual-flush system designed to conserve water by offering two flush volumes.

- **Full Flush:** To activate a full flush, press and hold the larger or primary button on the flush actuator until the desired amount of water has been released. This is typically used for solid waste.
- **Reduced Flush:** To activate a reduced flush, press and release the smaller or secondary button on the flush actuator. This is typically used for liquid waste, saving water.

The flush volumes can often be adjusted internally on the valve itself. Refer to the markings on the valve for specific adjustment points for the full and reduced flush volumes. Adjusting these settings may require removing the cistern lid.



Image 4.1: The dual-flush button for the Geberit flush valve. This button allows users to select between a full flush and a reduced flush for water conservation.

5. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and efficient operation of your flush valve.

- **Cleaning:** Periodically clean the flush valve components, especially the sealing gasket at the base, to prevent mineral buildup and ensure a proper seal. Use a soft brush and mild, non-abrasive cleaning agents. Avoid harsh chemicals that can damage plastic or rubber parts.
- **Inspect Seals:** Annually inspect all rubber seals and gaskets for signs of wear, cracking, or deterioration. Replace any damaged seals to prevent leaks.
- **Check for Obstructions:** Ensure no foreign objects or debris are obstructing the movement of the flush valve or its internal mechanisms.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Toilet runs continuously (leaking)	Worn or dirty flush valve seal; improper seating of valve.	Clean or replace the flush valve seal. Ensure the valve is correctly seated and secured.
Incomplete flush	Low water level; flush volume set too low; obstruction.	Adjust the fill valve to increase water level. Adjust the flush volume settings on the valve. Check for obstructions.
Flush button sticking	Debris; misalignment; worn spring.	Clean the button mechanism. Realign the button with the valve levers. Replace the button assembly if necessary.

7. SPECIFICATIONS

Technical details for the Geberit 282350212 Type 290 Flush Valve:

- **Brand:** Geberit
- **Model:** 282350212 Type 290 (Internal Model Number: K12302)
- **Material:** Plastic
- **Inlet Connection Size:** 2 Inches
- **Outlet Connection Size:** 2 Inches
- **Item Weight:** Approximately 1.58 pounds (0.72 kg)
- **Package Dimensions:** Approximately 15.47 x 6.89 x 4.06 inches (39.3 x 17.5 x 10.3 cm)
- **Compatibility:** Designed for ceramic cisterns
- **Features:** Dual-flush mechanism, adjustable height

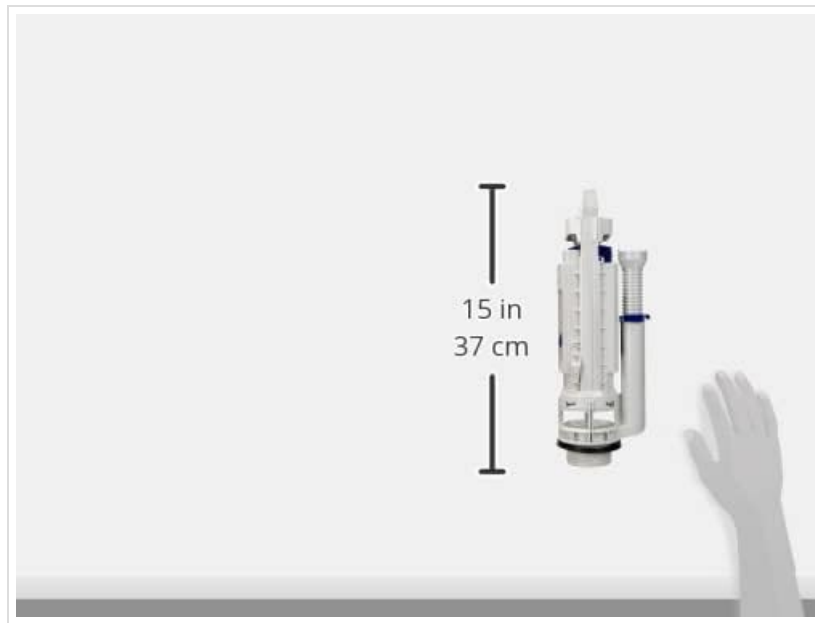


Image 7.1: Diagram illustrating the approximate dimensions of the Geberit 282350212 Flush Valve, showing a height of approximately 15 inches (37 cm).

8. WARRANTY AND SUPPORT

Geberit products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or visit the official Geberit website. If you require technical assistance or have questions regarding your Geberit 282350212 Type 290 Flush Valve, please contact Geberit customer support through their official channels.

For further assistance, you may visit the [Geberit official website](#).

