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Geberit 241.290.00.1

Geberit 241.290.00.1 Flush Valve Instruction Manual

Model: 241.290.00.1

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Geberit 241.290.00.1 Flush Valve. This high-quality flush valve with basket is designed for durability and efficient performance in Geberit toilet systems. Please read this manual thoroughly before proceeding with any steps to ensure proper function and longevity of your product.





Figure 1: Overview of the Geberit 241.290.00.1 Flush Valve, showing its main body and adjustable components.

SAFETY INFORMATION

Always observe the following safety precautions during installation, operation, and maintenance:

- Ensure the water supply to the toilet cistern is turned off before beginning any work.
- Wear appropriate personal protective equipment, such as gloves and eye protection, if necessary.
- Handle components carefully to avoid damage or injury.
- If you are unsure about any step, consult a qualified plumber.
- Keep small parts out of reach of children.

SETUP AND INSTALLATION

This section outlines the steps for installing the Geberit 241.290.00.1 Flush Valve. It is designed for straightforward replacement in compatible Geberit in-wall cisterns.

Tools and Materials Required:

- New Geberit 241.290.00.1 Flush Valve
- Screwdriver (if needed for access panel)
- Towel or sponge for water absorption
- Installation lubricant (often included with the valve)



Figure 2: Included components with the flush valve, such as different length actuators and the main valve body.

Installation Steps:

1. **Turn Off Water Supply:** Locate the main water shut-off valve for the toilet or the house and turn it off. Flush the toilet to empty the cistern.
2. **Access the Cistern:** Remove the flush plate and any access panels to expose the internal components of the cistern.
3. **Remove Old Flush Valve:** Carefully disconnect the old flush valve from its base. This usually involves a quarter-turn or clip mechanism. Drain any remaining water.
4. **Prepare New Flush Valve:** Apply a small amount of the provided installation lubricant to the rubber seals at the base of the new Geberit 241.290.00.1 flush valve.



Figure 3: Close-up view of the flush valve's bottom seal, which should be lubricated before installation.

5. **Install New Flush Valve:** Insert the new flush valve into the cistern base, ensuring it is seated correctly and

securely. Twist or clip it into place according to the cistern's design.

6. **Adjust Flush Volume (Optional but Recommended):** The Geberit 241.290.00.1 allows for adjustment of flush volumes. Refer to the markings on the side of the valve (e.g., 4.5, 6.0, 7.5 liters) and adjust the float or lever mechanism as desired. This typically involves sliding a clip or rotating a dial.





Figure 4: Detail of the top mechanism of the flush valve, showing the adjustable settings for flush volume.

7. **Connect Actuators:** Attach the appropriate length actuator rods (if supplied) from the flush valve to the flush plate mechanism. Ensure they are securely connected and allow for smooth operation of the flush buttons.
8. **Restore Water Supply:** Slowly turn the water supply back on and allow the cistern to fill. Check for any leaks.
9. **Test Operation:** Press both the full flush and half flush buttons (if applicable) to ensure proper functionality and water flow.
10. **Reassemble:** Replace the access panels and flush plate.

OPERATING INSTRUCTIONS

The Geberit 241.290.00.1 Flush Valve is designed for efficient and reliable flushing. Its operation depends on the type of flush plate installed with your Geberit cistern.

- **Dual Flush Systems:** For dual flush plates, typically a smaller button activates a reduced flush volume (e.g., 3 or 4.5 liters) for liquid waste, while a larger button activates a full flush volume (e.g., 6 or 9 liters) for solid waste. Press the desired button firmly and release.
- **Single Flush Systems:** For single flush plates, pressing the button will activate the full flush volume as set during installation.
- **Adjustable Flush Volume:** As mentioned in the installation section, the flush volume can be adjusted to optimize water usage. Common settings include 9 liters, 6 liters, and 4.5 liters. Experiment with these settings to find the most effective and water-efficient option for your needs.

MAINTENANCE

Regular maintenance ensures the long-term performance and reliability of your Geberit flush valve.

- **Periodic Inspection:** Annually inspect the flush valve for any signs of wear, such as cracks in plastic components or degradation of rubber seals.
- **Cleaning:** If mineral deposits or debris accumulate on the valve, turn off the water supply, remove the valve as per installation steps, and clean it with a soft brush and mild, non-abrasive cleaner. Rinse thoroughly before reinstallation.
- **Seal Replacement:** If leaks occur from the base of the valve, the bottom seal may need replacement. Genuine Geberit replacement parts are recommended.
- **Actuator Check:** Ensure the actuator rods from the flush plate to the valve are not bent or obstructed, allowing for smooth button presses.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Geberit 241.290.00.1 Flush Valve.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Toilet continuously runs or leaks into the bowl.	<ul style="list-style-type: none"> Flush valve seal is dirty or worn. Flush valve is not seated correctly. Internal mechanism is obstructed. 	<ul style="list-style-type: none"> Turn off water, remove valve, clean seal and seating area. Reinstall. Ensure valve is fully twisted/clipped into its base. Inspect for debris inside the valve.
Flush button does not activate flush (e.g., small flush button).	<ul style="list-style-type: none"> Actuator rod is disconnected or broken. Internal plastic piece of the valve mechanism is broken. Flush plate is misaligned. 	<ul style="list-style-type: none"> Remove flush plate, check actuator rod connection to valve. Reconnect or replace if broken. If internal damage is suspected, the flush valve may need replacement. Adjust flush plate alignment.
Weak or incomplete flush.	<ul style="list-style-type: none"> Flush volume setting is too low. Water level in cistern is too low. Partial obstruction in the flush valve. 	<ul style="list-style-type: none"> Adjust the flush volume setting on the valve to a higher liter setting. Check the fill valve for proper operation and water level. Inspect and clean the flush valve for any blockages.

SPECIFICATIONS

Key technical specifications for the Geberit 241.290.00.1 Flush Valve:

Brand	Geberit
Model Number	241.290.00.1
Material	Stainless Steel
Item Weight	8.8 ounces
Product Dimensions (L x W x H)	11.81 x 7.87 x 15.75 inches
Inlet Connection Type	Threaded
Outlet Connection Type	NPT
Outlet Connection Size	2 Inches
Number of Ports	2
Valve Type	Flush Valve
Global Trade Identification Number	04025416674474

WARRANTY INFORMATION

Geberit products are manufactured to high quality standards. For specific warranty terms and conditions applicable to your Geberit 241.290.00.1 Flush Valve, please refer to the warranty documentation included with your purchase or visit the official Geberit website. Warranty coverage typically includes defects in materials and workmanship under normal use and service.

CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Geberit customer service or visit their official website:

- **Geberit Official Website:** www.geberit.com (Please check the website for regional contact information and support resources.)
- **Professional Assistance:** If you encounter complex issues or are uncomfortable performing repairs, it is recommended to consult a certified plumbing professional.