

## GEBERIT 283.004.21.3

# Geberit Type 290-380 Complete Toilet Flushing Mechanism User Manual

Model: 283.004.21.3

## 1. INTRODUCTION

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This user manual provides essential information for the installation, operation, maintenance, and troubleshooting of your Geberit Type 290-380 Complete Toilet Flushing Mechanism. Please read this manual carefully before installation and use to ensure proper function and longevity of the product. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW

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The Geberit Type 290-380 is a complete flushing mechanism designed for single-flush toilet cisterns, featuring a universal water supply connection. It includes both the flush valve and the fill valve components.



Figure 2.1: Overview of the Geberit Type 290-380 Complete Toilet Flushing Mechanism. The image displays the main components: the vertical flush valve assembly on the left with its push-button rod extending upwards, and the horizontal fill valve assembly on the right, connected by a flexible hose. The Geberit logo is visible on the fill valve.

### Key Components:

- **Flush Valve:** The main mechanism responsible for releasing water from the cistern into the toilet bowl.
- **Fill Valve (Float Valve):** Controls the water refilling into the cistern after flushing, stopping when the desired water level is reached.
- **Push Button Rod:** Connects to the flush button on the cistern lid, activating the flush valve.
- **Flexible Supply Hose:** Connects the fill valve to the water inlet.

## 3. SETUP AND INSTALLATION

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Installation should be performed by a qualified individual if you are unsure of the process. Ensure all necessary safety precautions are taken, including turning off the main water supply to the toilet before beginning.

### 3.1 Tools Required (Typical):

- Adjustable wrench or spanner
- Screwdriver (flathead and/or Phillips)
- Bucket and towels (for water spills)
- Gloves (optional)

### 3.2 Installation Steps:

1. **Turn off Water Supply:** Locate the shut-off valve for the toilet (usually on the wall or floor behind the toilet) and turn it clockwise until the water flow stops. Flush the toilet to empty the cistern.
2. **Remove Old Mechanism:** Disconnect the water supply hose from the fill valve. Unscrew any retaining nuts holding the old flush and fill valves in place. Carefully remove the old components from the cistern.
3. **Clean Cistern:** Clean the inside of the cistern, especially around the valve openings, to ensure a good seal for the new mechanism.
4. **Install New Flush Valve:** Insert the new Geberit flush valve into the large opening at the bottom of the cistern. Secure it with the provided nut from underneath, ensuring the rubber washer is correctly seated for a watertight seal.
5. **Install New Fill Valve:** Insert the new Geberit fill valve into the smaller opening (or side opening, depending on cistern design). Secure it with its retaining nut and washer.
6. **Connect Water Supply:** Attach the flexible supply hose to the new fill valve and tighten securely.
7. **Adjust Water Level:** The fill valve has an adjustment mechanism (often a screw or clip) to set the water level in the cistern. Adjust it to the recommended level, typically indicated by a waterline mark inside the cistern or by the manufacturer's specifications.
8. **Adjust Flush Button Rod:** Adjust the length of the flush button rod to match the height of your cistern lid and flush button.
9. **Restore Water Supply:** Slowly turn the water shut-off valve counter-clockwise to restore water flow to the cistern. Check for leaks around all connections.
10. **Test Flush:** Allow the cistern to fill, then perform several test flushes to ensure proper operation and no leaks.

## 4. OPERATING INSTRUCTIONS

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The Geberit Type 290-380 mechanism operates as a single-flush system.

### 4.1 Flushing the Toilet:

- To flush the toilet, simply press down firmly on the flush button located on the cistern lid.
- Hold the button down briefly until the water begins to drain from the cistern.
- Release the button. The cistern will then begin to refill automatically to the preset water level.

## 5. MAINTENANCE

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Regular maintenance helps ensure the longevity and efficient operation of your flushing mechanism.

### 5.1 Cleaning:

- Periodically inspect the inside of the cistern for mineral deposits or debris.

- Turn off the water supply and drain the cistern.
- Use a soft brush and a mild, non-abrasive cleaner (e.g., white vinegar solution) to clean the components, especially the flush valve seal and the fill valve float.
- Rinse thoroughly before restoring water supply.

## 5.2 Seal Inspection:

- Check the rubber seal at the base of the flush valve annually for signs of wear, cracking, or hardening. A worn seal can cause continuous water leakage into the toilet bowl.
- Replace the seal if it appears damaged. Replacement seals are typically available from plumbing suppliers.

## 6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Water continuously runs into the toilet bowl.	Worn or dirty flush valve seal; incorrect water level setting; debris under the seal.	Clean or replace the flush valve seal. Adjust the fill valve to lower the water level. Remove any debris from under the seal.
Cistern does not fill or fills slowly.	Water supply valve closed; clogged fill valve filter; low water pressure.	Ensure water supply valve is fully open. Clean the fill valve filter (refer to fill valve specific instructions if available). Check household water pressure.
Weak or incomplete flush.	Insufficient water level; obstruction in the flush valve.	Adjust the fill valve to increase the water level. Inspect the flush valve for any obstructions and clear them.

If the problem persists after attempting these solutions, it may be necessary to replace the affected component or consult a professional plumber.

## 7. SPECIFICATIONS

Attribute	Value
Brand	GEBERIT
Model Number	283.004.21.3
Type	Complete Toilet Flushing Mechanism (Single Flush)
Item Weight	1.16 Kilograms
Batteries Included	No
First Available	June 23, 2016

## 8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation included with your purchase or visit the official Geberit website. Warranty terms may vary by region and retailer.

For technical support or replacement parts, please contact Geberit customer service or your local plumbing

supplier. You may need to provide your model number (283.004.21.3) and proof of purchase.

**Geberit Official Website:** [www.geberit.com](http://www.geberit.com)