

## GROHE 42253000

# GROHE Friedrich 42253000 Discharge Valve User Manual

Comprehensive instructions for installation, operation, and maintenance.

## 1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your GROHE Friedrich 42253000 Discharge Valve. Please read these instructions carefully before beginning installation or use to ensure optimal performance and longevity of the product. This discharge valve is designed for use in toilet cisterns to control water flow for flushing.



**Figure 1:** The GROHE Friedrich 42253000 Discharge Valve. This image displays the complete valve assembly, featuring its white body, blue adjustment components, and associated tubing, ready for installation in a toilet cistern.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions during installation and maintenance:

- Ensure the main water supply to the toilet is turned off before starting any work.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified plumber.
- Do not use excessive force when tightening connections to avoid damaging components.
- Keep small parts away from children to prevent choking hazards.

### 3. PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- 1x GROHE Friedrich 42253000 Discharge Valve
- Associated accessories for installation (e.g., seals, nuts)

*Note: The specific accessories may vary slightly. Refer to the product packaging for a complete list.*

### 4. SETUP AND INSTALLATION

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This section outlines the general steps for installing the discharge valve. Specific toilet cistern designs may require slight variations.

#### 4.1 Tools Required (Not Included)

- Adjustable wrench or spanner
- Screwdriver (if required for cistern access)
- Towels or sponges for water absorption

#### 4.2 Installation Steps

1. **Turn off Water Supply:** Locate the shut-off valve for the toilet, usually on the wall or floor near the base of the toilet, and turn it clockwise until the water flow stops. Flush the toilet to empty the cistern.
2. **Remove Old Valve (if applicable):** Disconnect the flush button/lever mechanism. Unscrew any retaining nuts from the underside of the cistern that secure the old discharge valve. Carefully remove the old valve.
3. **Clean Cistern Base:** Thoroughly clean the opening at the bottom of the cistern where the valve will be installed, ensuring it is free of debris and old sealant.
4. **Install New Valve:** Place the new GROHE Friedrich 42253000 Discharge Valve into the opening from inside the cistern. Ensure any rubber seals are correctly seated.
5. **Secure Valve:** From the underside of the cistern, thread and hand-tighten the retaining nut onto the valve shank. Use an adjustable wrench to gently tighten the nut, being careful not to overtighten.
6. **Connect Flush Mechanism:** Reconnect the flush button or lever mechanism to the new discharge valve according to your toilet's design.
7. **Restore Water Supply:** Slowly turn the main water supply valve counter-clockwise to restore water flow to the cistern. Check for leaks around the valve and connections.
8. **Test Flush:** Allow the cistern to fill and then perform several test flushes to ensure proper operation and check for any leaks.

### 5. OPERATING INSTRUCTIONS

The GROHE Friedrich 42253000 Discharge Valve features a dual-flush mechanism, designed to conserve water by offering two flush volumes.

- **Full Flush:** Press the larger button or fully depress the flush lever for a complete flush, releasing the full volume of water from the cistern.
- **Reduced Flush:** Press the smaller button or partially depress the flush lever for a reduced flush, releasing a smaller volume of water.

Ensure the flush mechanism returns to its original position after each flush to allow the cistern to refill properly.

## 6. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your discharge valve.

- **Cleaning:** Periodically inspect the valve for mineral deposits or debris. If necessary, turn off the water supply, remove the valve, and clean it with a soft brush and mild, non-abrasive cleaner. Rinse thoroughly.
- **Seal Inspection:** Check rubber seals and gaskets for signs of wear, cracking, or deterioration. Replace any damaged seals to prevent leaks.
- **Adjustment:** Ensure the flush mechanism is correctly aligned and operating smoothly. Adjustments to the flush volume may be possible depending on the specific cistern and flush plate design. Refer to your toilet manufacturer's guide for specific adjustment procedures.

## 7. TROUBLESHOOTING

Below are common issues and potential solutions for the discharge valve.

Problem	Possible Cause	Solution
Toilet runs continuously or refills slowly.	Valve seal not seating properly; debris under the seal; flush mechanism misalignment.	Inspect and clean the valve seal. Check for obstructions. Ensure the flush mechanism is correctly aligned and not sticking.
Weak or incomplete flush.	Low water level in cistern; partial obstruction in valve; flush volume setting too low.	Check the fill valve for proper water level. Inspect the discharge valve for obstructions. Adjust flush volume if possible.
Water leaking from the base of the toilet.	Loose retaining nut; damaged seal between valve and cistern.	Tighten the retaining nut (do not overtighten). Inspect and replace the seal if damaged.

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

## 8. SPECIFICATIONS

- **Model:** GROHE Friedrich 42253000
- **Material:** Brass
- **Color:** White
- **Item Dimensions (L x W x H):** 3.66 x 3.66 x 17.8 inches

- **Item Weight:** 12.9 ounces
- **Inlet Connection Size:** 0.5 Inches
- **Inlet Connection Type:** Threaded
- **Outlet Connection Type:** FIP
- **Outlet Connection Size:** 0.5 Inches
- **Number of Ports:** 2
- **Exterior Finish:** Chrome
- **Manufacturer:** MultiChannelTrade GmbH - PES (Child Garden)

## 9. WARRANTY AND SUPPORT

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This GROHE product comes with a **5-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or warranty inquiries, please visit the official GROHE website or contact their customer service department. You can find more information and contact details on the [GROHE Store on Amazon](#) or their official corporate website.