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GROHE 46138000

GROHE 46138000 1/2 inch Quick Coupling User Manual

MODEL: 46138000

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your GROHE 46138000 1/2 inch Quick Coupling. Please read this manual carefully before installation and retain it for future reference. Proper installation and care will ensure optimal performance and longevity of the product.

2. Product Overview

The GROHE 46138000 1/2 inch Quick Coupling is a component designed for faucet spout connections, ensuring a secure and efficient water flow. It is engineered for durability and ease of use within plumbing systems.



Figure 1: Front view of the GROHE 46138000 1/2 inch Quick Coupling.

Key Features:

- 1/2 inch connection size
- Lightweight design (approximately 0.12 lbs)
- Designed for faucet spout quick connection
- Flow rate of 2.2 gallons per minute (gpm)

Video 1: An official GROHE brand overview video showcasing various GROHE products and their commitment to water quality and innovation. This video provides general brand context and does not contain specific installation instructions for the 46138000 Quick Coupling.

3. Setup & Installation

Safety First: Before beginning any plumbing work, ensure the main water supply to the faucet is turned off. Place a basin or bucket under the sink to catch any residual water.

Tools Required:

- Teflon tape (if replacing existing coupling)
- Basin or bucket

Installation Steps:

1. **Remove Old Coupling (if applicable):** If replacing an existing coupling, reach up to the coupling under the sink. Hold the coupling with one hand and pull down on the colored portion (e.g., yellow) with the other. This action releases the coupling from the metal pipe. Carefully pull the coupling away from the pipe, allowing any remaining water to drain into your basin.
2. **Disconnect from Hose:** Unscrew the black end of the old coupling from the faucet hose. Dry the hose threads.
3. **Apply Teflon Tape:** If the existing Teflon tape is worn or absent, remove it and apply new Teflon tape to the threads of the faucet hose. Wrap the tape clockwise around the threads 2-3 times.
4. **Attach New Coupling to Hose:** Screw the black end of the new GROHE 46138000 Quick Coupling onto the faucet hose. Hand-tighten until secure, ensuring it does not leak, but avoid over-tightening. A wrench is typically not required unless hand strength is an issue.
5. **Connect to Pipe:** Re-attach the colored end of the coupling to the metal pipe. Hold the coupling with one hand, pull the colored portion down, and push the coupling firmly onto the metal pipe until it is fully seated. Release the colored portion; you should hear or feel it snap into place.
6. **Verify Connection:** Gently tug down on the coupling to ensure it is securely attached to the pipe.
7. **Restore Water Supply:** Turn the water supply back on. Keep the basin in place and test the installation thoroughly by running the water several times for both short and long durations. Check for any leaks. If leaks occur at the black end, tighten slightly. If the colored end detaches, it was not securely connected.



Figure 2: Diagram illustrating the components of a GROHE Quick Coupling, showing the connection points.

4. Operating Instructions

Once installed, the GROHE 46138000 Quick Coupling operates automatically as part of your faucet system. It facilitates the connection between the faucet hose and the water supply, allowing water to flow through the

faucet spout. The coupling is designed to maintain a consistent flow rate of 2.2 gallons per minute (gpm) under normal operating conditions.

Video 2: A demonstration of a faucet operating with a quick coupling, showing the water flow. This video is from a user review and illustrates the functional aspect of a quick coupling in a kitchen faucet setup.

5. Maintenance

The GROHE 46138000 Quick Coupling requires minimal maintenance. To ensure its longevity and proper function:

- **Regular Inspection:** Periodically check the coupling for any signs of wear, cracks, or leaks.
- **Cleaning:** If accessible, gently wipe the exterior of the coupling with a soft, damp cloth. Avoid using abrasive cleaners or harsh chemicals, as these can damage the material.
- **Seal Integrity:** Over time, seals can degrade. If you notice persistent dripping or reduced water pressure not attributable to other factors, the internal seals may need inspection or replacement.

6. Troubleshooting

Issue: Water Leakage

- **Possible Cause:** Loose connection at the threaded end.
- **Solution:** Ensure the black threaded end is securely tightened to the faucet hose. If the leak persists, check the Teflon tape for proper application or replace it.
- **Possible Cause:** Improper connection at the quick-release end.
- **Solution:** Verify that the colored quick-release portion is fully engaged and snapped onto the metal pipe. Re-seat if necessary.
- **Possible Cause:** Damaged coupling or worn seals.
- **Solution:** If the coupling itself is cracked or the internal seals are visibly damaged, replacement of the unit may be necessary.

Issue: Low Water Flow

- **Possible Cause:** Flow restrictor in the faucet or aerator.
- **Solution:** The GROHE 46138000 Quick Coupling is designed to provide a 2.2 gpm flow. If your faucet has significantly lower flow, check the faucet's aerator for mineral buildup or if it contains an additional flow restrictor. Some older quick couplings or faucet designs may include restrictive components. This specific GROHE 46138000 part is known to have no flow restriction, allowing for improved water flow compared to some other models.

7. Specifications

Attribute	Value
Manufacturer	Grohe
Part Number	46138000
Item Weight	0.811 ounces
Product Dimensions	4.8 x 3.6 x 1.4 inches
Item Model Number	46138000

Size	One-size
Color	StarLight Chrome
Material	Metal
Item Package Quantity	1
Number Of Pieces	3
Mounting Type	Face Mount
Usage	Inside
Included Components	Coupling

8. Warranty Information

The GROHE 46138000 1/2 inch Quick Coupling comes with a **1-year Limited warranty from the date of purchase**. This warranty covers manufacturing defects and ensures the product meets GROHE's quality standards. Please retain your proof of purchase for warranty claims.

9. Support & Contact

For further assistance, technical support, or to inquire about replacement parts, please visit the official GROHE website or contact their customer service department. Refer to the packaging or the official GROHE website for the most current contact information.