

Viega 18468

Viega ProPress Zero Lead Copper Reducer Instruction Manual

Model: 18468

Brand: Viega

1. PRODUCT OVERVIEW

The Viega ProPress Zero Lead Copper Reducer (Model 18468) is designed to facilitate quick, reliable, and watertight connections in copper plumbing systems. This fitting allows for the reduction of pipe size from 2-inch to 3/4-inch using the ProPress system. Its robust construction, heavier than Type K copper, ensures durability. The patented Smart Connect feature aids in identifying unpressed connections during system testing, enhancing installation integrity.



Image 1.1: Viega ProPress Zero Lead Copper Reducer, showing its copper construction and press-fit ends.

2. KEY FEATURES

- **Rapid Connections:** Connections are made efficiently, typically within four to seven seconds, ensuring a consistent, strong, reliable, and watertight seal.
- **Wet Connection Capability:** Allows installers to join wet connections, making it an effective solution for maintenance and repair scenarios.
- **Installation Efficiency:** Contributes to keeping installations on or ahead of schedule due to its rapid installation method.
- **Versatile Application:** Adaptable for various commercial, industrial, or residential plumbing applications, suitable for both new installations and retrofits.
- **Simplified Process:** Eliminates the need for traditional tools and materials such as tanks, hoses, thread cutters, solder, and flux.
- **Smart Connect Feature:** Patented feature designed to identify unpressed connections during system testing, preventing missed connections.
- **Durable Construction:** Built with material heavier than Type K copper, ensuring enhanced robustness and longevity.

3. INSTALLATION INSTRUCTIONS

The Viega ProPress system utilizes a cold press connection method, eliminating the need for heat and open flames. Proper installation requires specific Viega ProPress tools.

3.1. Preparation

1. **Pipe Cutting:** Cut the copper pipe squarely to the desired length using a pipe cutter. Ensure the cut is clean and free of burrs.
2. **Deburring:** Deburr the inside and outside of the pipe ends to prevent damage to the fitting's O-ring and ensure proper flow.
3. **Cleaning:** Ensure the pipe ends are clean and free of dirt, grease, or debris.
4. **Marking Insertion Depth:** Use a depth gauge or mark the pipe to indicate the correct insertion depth for the fitting. This ensures the pipe is fully seated within the fitting.

3.2. Making the Connection

1. **Insert Pipe:** Insert the prepared copper pipe into the ProPress fitting until it reaches the marked insertion depth. Ensure the pipe is fully seated against the stop inside the fitting.
2. **Position Tool:** Open the jaws of the Viega ProPress tool and position them squarely over the fitting. Ensure the jaws are properly aligned with the fitting's bead.
3. **Activate Tool:** Activate the ProPress tool according to the manufacturer's instructions. The tool will press the fitting onto the pipe, creating a secure and permanent connection. The pressing cycle typically takes a few seconds.
4. **Verify Connection:** After the pressing cycle is complete, remove the tool. Visually inspect the pressed connection to ensure the fitting has been properly deformed and the connection appears secure. The Smart Connect feature will help identify any unpressed connections during system testing.

Note: Always refer to the specific operating instructions for your Viega ProPress pressing tool for detailed safety and operational procedures.

4. OPERATION

Once properly installed, the Viega ProPress Zero Lead Copper Reducer functions as a passive component within the plumbing system. It facilitates the flow of fluids between pipes of different diameters (2-inch to 3/4-inch) without requiring active operation. The integrity of the connection relies on the initial proper pressing during installation.

Ensure the system is properly pressurized and tested after installation to confirm all connections are watertight. The Smart Connect feature is designed to reveal any unpressed connections during this testing phase.

5. MAINTENANCE

Viega ProPress fittings are designed for long-term, maintenance-free operation once properly installed. Regular maintenance primarily involves routine inspection of the overall plumbing system.

- **Visual Inspection:** Periodically inspect the installed fittings for any signs of external damage or corrosion.
- **Leak Detection:** Monitor the plumbing system for any signs of leaks, especially around connection points. While ProPress connections are highly reliable, external factors or improper installation could potentially lead to issues over time.
- **System Pressure:** Ensure the plumbing system operates within its designed pressure limits. Excessive pressure can stress any plumbing component.

No specific routine maintenance is required for the fitting itself beyond ensuring the system it is part of remains in good working order.

6. TROUBLESHOOTING

Most issues related to ProPress fittings stem from improper installation. The Smart Connect feature is a primary troubleshooting aid during the initial testing phase.

Problem	Possible Cause	Solution
Leak at connection during pressure test	Fitting not pressed (Smart Connect indication) Pipe not fully inserted Damaged O-ring Improperly deburred pipe Damaged fitting	Press the fitting using the correct ProPress tool. Cut out the section and re-install with a new fitting, ensuring proper insertion depth. Replace the fitting. Replace the fitting and ensure proper deburring of new pipe. Replace the fitting.
Fitting does not press correctly	Incorrect pressing tool/jaws Tool malfunction Pipe misalignment	Ensure you are using the correct Viega ProPress tool and jaws for the fitting size. Consult your tool's manual or contact Viega support for tool servicing. Ensure pipe is straight and fully inserted before pressing.

For persistent issues or concerns, contact Viega technical support or a qualified plumbing professional.

7. SPECIFICATIONS

Attribute	Detail
Model Number	18468
Product Type	Copper Reducer Fitting
Connection Type	ProPress (Press-Fit)
Material	Copper, Zero Lead
Size (Inlet x Outlet)	2-Inch P x 3/4-Inch P
Color	Copper

Attribute	Detail
Item Dimensions (L x W x H)	4.02 x 2 x 2 inches
Item Weight	8.8 ounces
Manufacturer	Viega PEX
Global Trade Identification Number (GTIN)	30691514184686
First Available Date	February 13, 2012

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The Viega ProPress Zero Lead Copper Reducer (Model 18468) comes with a **Limited Warranty**. For specific terms, conditions, and duration of the warranty, please refer to the official warranty documentation provided by Viega or visit the official Viega website. This warranty typically covers defects in materials and workmanship under normal use and service.

8.2. Customer Support

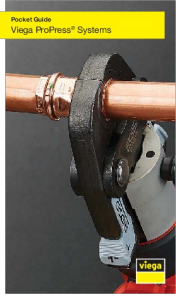
For technical assistance, product inquiries, or warranty claims, please contact Viega customer support directly. It is recommended to have your product model number (18468) and purchase details available when contacting support.

Viega Official Website: www.viega.us

(Please note: Specific contact methods like phone numbers or email addresses may vary by region and are best found on the official website.)



Related Documents - 18468



[Viega ProPress Systems Pocket Guide: Installation and Technical Data](#)

Explore the Viega ProPress Systems Pocket Guide for comprehensive installation instructions, technical specifications, approved applications, and product dimensions. Ideal for commercial, industrial, and residential plumbing projects.



[Viega ProPress Three Way Valve Installation Guide](#)

Step-by-step installation instructions for the Viega ProPress Three Way Valve (Model 2976.3), covering hard and soft copper tubing, safety warnings, and technical charts.



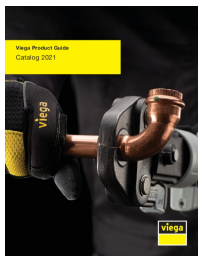
[Viega Catálogo 2025: Sistemas de Tuberías y Accesorios de Prensado](#)

Explore el catálogo completo de Viega 2025, con soluciones innovadoras de tecnología de prensado como ProPress, MegaPress, SeaPress y PureFlow para aplicaciones de plomería, calefacción y refrigeración. Descubra accesorios, tuberías y válvulas de alta calidad para uso residencial, comercial e industrial.



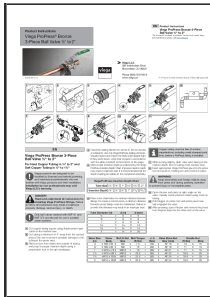
[Viega Smart Loop Zero Lead Internal Recirculation Kit Installation Instructions](#)

Comprehensive installation guide for the Viega Smart Loop Zero Lead Internal Recirculation Kit (Model 2976.1ZL), providing step-by-step instructions and part details for plumbing professionals. Learn how to install this lead-free recirculation system.



[Viega Product Guide Catalog 2021: Press Fitting Systems and Solutions](#)

Explore the comprehensive Viega Product Guide and Catalog 2021, featuring innovative press fitting systems like ProPress, MegaPress, SeaPress, and PureFlow for plumbing, HVAC, and industrial applications. Discover high-quality solutions for secure and efficient pipe connections.



[Viega ProPress Bronze 3-Piece Ball Valve Installation Instructions](#)

Comprehensive installation guide for Viega ProPress Bronze 3-Piece Ball Valves (1/2" to 2"), detailing preparation, pressing procedures, safety warnings, and technical specifications.