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Viega 20819

Viega ProPress Zero Lead Copper XL-C Adapter

INSTRUCTION MANUAL



Introduction

This manual provides comprehensive instructions for the proper installation and use of the Viega ProPress Zero Lead Copper XL-C Adapter, model 20819. Designed for efficiency and reliability, this adapter facilitates secure and watertight connections in various plumbing applications. Adherence to these instructions will ensure optimal performance and longevity of the product.

Key Features:

- **Rapid Connections:** Achieves secure connections in 4 to 7 seconds.
- **Watertight Seal:** Ensures a consistent, strong, and reliable watertight seal.
- **Wet Connection Capability:** Allows for joining wet connections, ideal for maintenance and repair.
- **Versatile Application:** Adaptable for commercial, industrial, or residential use, including new installations and retrofits.
- **Simplified Process:** Eliminates the need for tanks, hoses, thread cutters, solder, and flux.
- **Smart Connect Feature:** Patented technology to identify unpressed connections during testing.

Product Overview



Figure 1: Viega ProPress Zero Lead Copper XL-C Adapter. This image displays the copper adapter with a threaded male end on the left and a press-fit female end on the right. Markings such as "NSF 61", "Viega", and "UPC" are visible on the body, along with a green dot indicating a lead-free product.

The Viega ProPress Zero Lead Copper XL-C Adapter is a robust fitting designed for efficient and secure pipe connections. It features a female press connection on one end and a female NPT (National Pipe Taper) threaded connection on the other, allowing for seamless integration into existing plumbing systems. Its construction from Type K copper ensures durability and resistance to corrosion.

Setup and Installation

Proper preparation is crucial for a successful installation of the Viega ProPress adapter. Ensure all components are clean and free of debris before beginning.

- Pipe Preparation:** Cut the copper pipe squarely and deburr the ends. Ensure the pipe is clean and free of any oils or contaminants.
- Adapter Inspection:** Verify that the adapter is free from damage and that the sealing element (O-ring) is properly seated within the fitting.
- Insertion:** Insert the prepared copper pipe fully into the press end of the adapter until it bottoms out against the stop.
- Alignment:** Ensure the pipe and fitting are correctly aligned before pressing.
- Pressing:** Use an approved Viega pressing tool to make the connection. Follow the pressing tool manufacturer's instructions for proper operation. The pressing process typically takes 4 to 7 seconds.
- Threaded Connection:** For the NPT threaded end, apply appropriate thread sealant (e.g., PTFE tape or pipe dope) to the male NPT threads of the mating component. Hand-tighten, then use a wrench to tighten to the manufacturer's recommended torque.

Note: The Viega ProPress system allows for connections to be made on wet pipes, providing flexibility during repairs and maintenance.

Operation

The Viega ProPress adapter operates by creating a secure, permanent mechanical joint through a cold press connection. Once the pipe is inserted into the fitting, the pressing tool compresses the fitting around the pipe, deforming the fitting and creating a watertight seal with the integrated sealing element.

The primary "operation" is the pressing process itself. After a successful press, the connection is immediately ready for pressure testing. The system is designed to provide a consistent, strong, and reliable seal without the need for heat, solder, or glues.

Maintenance

The Viega ProPress Zero Lead Copper XL-C Adapter is designed for long-term, maintenance-free operation once properly installed. Due to its robust copper construction and secure press connection, routine maintenance of the adapter itself is generally not required.

- **Periodic Inspection:** Periodically inspect the installed connections for any signs of external damage or leaks, especially during routine system checks.
- **System Integrity:** Ensure the overall plumbing system is maintained according to standard practices to prevent undue stress or corrosion on any components, including the adapter.
- **Cleaning:** If necessary, clean the exterior of the adapter with a soft cloth and mild detergent. Avoid abrasive cleaners or solvents that could damage the material.

Troubleshooting

The Viega ProPress system incorporates features to minimize installation errors. The primary troubleshooting mechanism is the patented **Smart Connect feature**.

- **Unpressed Connections:** During system pressure testing, the Smart Connect feature allows water to pass through any unpressed connections. This immediately identifies fittings that have not been properly pressed, enabling installers to correct them before the system is put into full service. If a leak is detected during testing, verify that all connections have been fully pressed.
- **Leakage After Pressing:** If a leak occurs after a connection has been pressed and tested, re-examine the connection. Ensure the pipe was fully inserted, the fitting was not damaged prior to pressing, and the pressing tool was properly calibrated and operated. In most cases, a re-press with the correct tool and technique will resolve the issue. If the problem persists, the fitting may need to be replaced.
- **Damaged Fitting:** Do not attempt to install or press a damaged fitting. Replace it with a new one.

For persistent issues or complex problems, contact Viega technical support.

Specifications

Attribute	Detail
Model Number	20819
Brand	Viega
Material	Copper

Attribute	Detail
Size	2-1/2-Inch P x Female NPT (1 Pack)
Connector Type	Adapter (Female Press x Female NPT)
Thread Size	2.5 inch
Thread Type	NPT
Exterior Finish	Copper
Item Dimensions (L x W x H)	4.15 x 2.5 x 2.5 inches
Item Weight	1.45 Pounds
Manufacturer	Viega PEX
Date First Available	February 13, 2012

Warranty Information

The Viega ProPress Zero Lead Copper XL-C Adapter is covered by 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 manufacturer's website. Keep your proof of purchase for warranty claims.

Support

For technical assistance, product inquiries, or support regarding the Viega ProPress Zero Lead Copper XL-C Adapter, please contact Viega customer service or visit their official website. Detailed contact information can typically be found on the manufacturer's packaging or website.

It is recommended to have the product model number (20819) and date of purchase available when contacting support.

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Related Documents - 20819



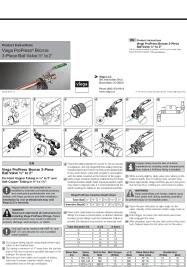
[Viega ProPress Systems Pocket Guide: Installation and Technical Data](#)

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 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.



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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.



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