



CSI: DIVISION: 22 00 00—PLUMBING  
Section: 22 11 16—Domestic Water Piping  
Section: 22 11 00—Facility Water Distribution

DIVISION: 23 00 00—HEATING, VENTILATING AND AIR-CONDITIONING (HVAC)  
Section: 23 21 13—Hydronic Piping

Product: Viega LLC's ProPress System: Press-connect copper and copper alloy fittings used in potable hot and cold water distribution systems and hydronic heating and cooling systems

Listee: Viega LLC.  
585 Interlocken Blvd.  
Broomfield CO 80021  
[www.viega.us](http://www.viega.us)

Compliance with the following codes:

2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)  
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Plumbing Code*® (IPC)  
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Mechanical Code*® (IMC)  
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *Uniform Plumbing Code*® (UPC)\*  
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *Uniform Mechanical Code*® (UMC)\*  
2024, 2021, 2018, 2015, 2012, and 2009 *National Standard Plumbing Code* (NSPC)\*  
2021, 2018, and 2015 *Uniform Solar, Hydronics and Geothermal Code* (USHGC)\*  
2022, 2019, 2016, 2013 and 2010 *California Plumbing Code* (CPC)  
2022, 2019, 2016, 2013 and 2010 *California Mechanical Code* (CMC)  
2023, 2020 and 2017 *City of Los Angeles Plumbing Code*  
2023, 2020 and 2017 *City of Los Angeles Mechanical Code*  
2021 and 2017 and 2007 *Code of Massachusetts Regulation 248 CMR 10.00: Uniform State Plumbing Code*  
2021 and 2017 *Massachusetts State Building Code 780 CMR Ninth Edition: Chapter 28*  
*ASME B31 Code for Pressure Pipe; standards B31.1-2022, B31.3-2022 and B31.9-2020*

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Compliance with the following standards:

ASTM B88-2022, Standard Specification for Seamless Copper Water Tube  
ICC-ES LC1002-2010 (Editorially revised Feb 2013), Press-Connection Fittings for Potable Water Tube and Radiant Heating Systems  
NSF/ANSI/CAN 61-2023, Drinking Water Systems Components—Health Effects  
NSF/ANSI/CAN 372-2022, Drinking Water System Components – Lead Content  
ASME B16.51-2021, Copper and Copper Alloy Press-Connect Pressure Fittings  
ASTM B75-2020, Standard Specification for Seamless Copper Tube  
ASTM F3226-2019, Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems

## IAPMO/ANSI/CAN Z1117-2022, Press Connections

## Identification:

Fittings: The Viega LLC ProPress fittings must bear a permanent marking with the following information:

- Manufacture's name (Viega) or trademark.
- Nominal size corresponding to the copper tube size.
- Date of manufacture (date code or batch code).
- Mark of third-party testing agency.
  1. Standard products to be marked NSF® 61.
  2. Low lead products to be marked NSF® 372 or NSF® 61 – G.
- Packages of fittings must bear the manufacture's name (Viega), product name (ProPress), model number and the ICC-ES PMG listing mark.

## Installation:

Viega ProPress fittings must be installed in accordance with this listing, the applicable code and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be furnished to the code official.

The metallic fittings and valves mentioned in this report are intended for installation above ground, below ground, indoors or outdoors and are suitable for use in concealed locations.

Viega ProPress fittings meet the requirements for Special Seismic Certification by seismic testing in accordance with the California Building Code Section 1705.12 and the International Building Code Section 1705.12 for nonstructural components. During testing, all pipes were supported at the maximum distances allowed by model plumbing codes. The products were qualified by time history shake table testing according to the procedures outlined in ICC-ES AC156. The shake table tests were performed at Structural Engineering and Earthquake Simulation Laboratory (SEESL) at the University of Buffalo in accordance with CBC-2013 and IBC-2012. The purpose of this testing is to demonstrate the suitability of Viega press-connect fittings in earthquake prone areas. A copy of the certification can be obtained under Report No. 1311-01 by W.E Gundy and Associates Inc. and is outside the scope of this report.

## Models:

The Viega ProPress fittings are available in sizes from 1/2 inch (13mm) to 4 inches (108mm). Viega ProPress fittings are rated for a maximum operating pressure of 300 pounds per square inch (psi) (2068 kPa). Fittings are available in copper or copper alloy and are provided with a factory-installed EPDM (ethylene propylene diene monomer) sealing element. All fittings have a built-in Smart Connect (SC) feature. The function of the SC feature is to identify connections which have not been pressed.

	DESCRIPTION	SIZE RANGE
Adapter	Bronze Male Adapter: P x M NPT	1/2" to 2"
	Copper Male XL- C Adapter: P x M NPT	2 1/2" to 4"
	Bronze Female Adapter: P x F NPT	1/2" to 2"
	Copper Female XL- C Adapter: P x F NPT	2 1/2" to 4"
	Bronze Male Adapter: FTG x M NPT	1/2" to 2"
	Bronze Female Adapter: FTG x F NPT	1/2" to 2"
	Bronze PEX Press ProPress Adapter: PEX Press x P	1/2" to 2"
Cap	Copper Cap: P	1/2" to 2"
	Copper XL- C Cap: P	2 1/2" to 4"
Coupling	Copper Coupling with Stop: P x P	1/2" to 2"
	Copper XL- C Roll Stop Coupling: P x P	2 1/2" to 4"

	DESCRIPTION	SIZE RANGE
	Copper Coupling No Stop: P x P	1/2" to 2"
	Copper Coupling Extended No Stop: P x P	1/2" to 2"
	Copper XL-C Coupling No Stop: P x P	2 1/2" to 4"
Cross-over	Copper Cross-Over: P x P	1/2" to 3/4"
Elbow	Copper Elbow 90 degrees: P x P	1/2" to 2"
	Copper XL- C Elbow 90 degrees: P x P	2 1/2" to 4"
	Copper Elbow 90 degrees: FTG x P	1/2" to 2"
	Copper XL- C Elbow 90 degrees: FTG x P	2 1/2" to 4"
	Copper Elbow 45 degrees: P x P	1/2" to 2"
	Copper XL- C Elbow 45 degrees: P x P	2 1/2" to 4"
	Copper Elbow 45 degrees: FTG x P	1/2" to 2"
	Copper XL- C Elbow 45 degrees: FTG x P	2 1/2" to 4"
	Bronze Elbow 90 degrees: P x F NPT	1/2" to 2"
	Bronze Elbow Drop 90 degrees: P x F with Wall Plate	1/2" to 1"
	Bronze Elbow Hi Ear 90 degrees: P x F with Wall Plate	1/2"
	Bronze Double Drop Elbow: P x P x F NPT	1/2" to 1"
Fitting reducer	Copper Reducer: P x P	1/2" to 2"
	Copper XL- C Reducer: P x P	2 1/2" to 4"
	Copper Reducer: FTG x P	1/2" to 2"
	Copper XL- C Reducer: FTG x P	2 1/2" to 4"
Tee	Bronze Tee: P x P x F NPT	1/2" to 2"
	Copper XL- C Tee: P x P x F NPT	2 1/2" to 4"
	Bronze Vent Tee: P x F x P	1/2" to 3/4"
	Copper Tee: P x P x P	1/2" to 2"
	Copper XL- C Tee: P x P x P	2 1/2" to 4"
Manifold	ProPress Copper Manifold: P x P	1/2" to 1"
	ProPress Copper Manifold: 3 Outlet P x P	1/2" to 1"
Union	Bronze Union: P x P	1/2" to 2"
	Bronze Union: P x F NPT	1/2" to 2"
	Bronze Union: P x M NPT	1/2" to 2"
	Bronze Di-Electric Union: P x F NPT	1/2" to 2"
	Bronze Tailpiece: P x F BSP	1/2" to 1 1/4"
Flange	Bronze Two Piece Flange: P x Flange	1" to 2"
	Copper XL- C Two Piece Flange: P x Flange	2 1/2" to 4"
Valve	Bronze ProPress Check Valve: P x P	1/2" to 2"
	Bronze ProPress Ball Valve	1/2" to 4"
Venturi Insert	Bronze Venturi Insert: FTG x FTG	1 1/4" to 2"
Strainer	Bronze ProPress Strainer: P x P	1/2" to 4"

## Conditions of listing:

1. Fittings are for use with ASTM B 88, Type K, L, or M, copper or with ASTM B 75 copper tube having dimensions and temper in accordance with manufacturer's installation instructions.
2. Operating temperature range for potable water must be within 32°F to 250°F (0°C to 121°C). Operating temperature range for hydronic systems must be within 0°F to 250°F (-17°C to 121°C).
3. The fittings have been evaluated and approved for below grade installation.
4. The potable water distribution system utilizing the Viega ProPress fittings must be pressure-tested and inspected in accordance with IPC Section 312.5, IRC Section P2503 or UPC Section 609.4, as applicable.
5. Radiant heating systems must be pressure-tested for leaks before installation of the covering in accordance with IMC Section 1208 or IRC Section M2103, as applicable.
6. The fittings are under a quality control program with annual surveillance inspections by ICC-ES.