

ICC-ES Report

PMG-1037

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Reissued 03/2018
This report is subject to renewal 03/2019

EVALUATION SUBJECT:

VIEGA LLC'S PROGRESS SYSTEM

DIVISION:

22 00 00—PLUMBING

SECTION:

22 11 16—DOMESTIC WATER PIPING

22 11 00—FACILITY WATER DISTRIBUTION

DIVISION:

23 00 00—HEATING, VENTILATING AND AIR CONDITIONING (HVAC)

SECTION:

23 21 13—HYDRONIC PIPING

Report Holder:

VIEGA LLC

100 N. BROADWAY, SUITE 600
WICHITA, KS 67202

Look for the ICC-ES marks of Conformity!



ICC-ES PMG Product Certificate

PMG-1037



Effective Date: March 2018

This listing is subject to re-examination in one year.

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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
100 N. Broadway, Suite 600
Wichita, Kansas 67202
www.viega.us

Compliance with the following codes:

2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
2018, 2015, 2012, 2009 and 2006 *International Plumbing Code*® (IPC)
2015, 2012, 2009 and 2006 *International Mechanical Code*® (IMC)
2015, 2012, 2009 and 2006 *Uniform Plumbing Code*® (UPC)
2015, 2012, 2009 and 2006 *Uniform Mechanical Code*® (UMC)*
ASME B31 Code for Pressure Pipe; standards B31.1-2014, B31.3-2012 and B31.9-2014

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Compliance with the following standards:

ASTM B88-2014, 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 61-2016, Drinking Water Systems Components—Health Effects
NSF/ANSI 372-2016, Drinking Water System Components – Lead Content
ASME B16.51-2013, Copper and Copper Alloy Press-Connect Pressure Fittings

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 manufacturer'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.

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 200 pounds per square inch (psi) (1378 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"
	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"

	DESCRIPTION	SIZE RANGE
	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 Ball Valve	1/2" to 2"
Venturi Insert	Bronze Venturi Insert: FTG x FTG	1 1/4" to 2"

Conditions of listing:

1. Fittings are for use with ASTM B 88, Type K, L, or M, copper.
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, 2012 and 2009 IRC Section P2503.7, 2006 IRC Section P2503.6 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, 2012 and 2009 IRC Section M2103.4 or 2006 IRC Section M2103.3, as applicable.
6. The fittings are manufactured in Grossheringen, Germany, and Ennest, Germany, under a quality control program with annual surveillance inspections by ICC-ES.