ICC-ES PMG Listing

PMG-1037

Effective Date: March 1, 2010
Revised: April 1, 2010
This listing is subject to re-examination in one year.

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CSI: DIVISION: 15—Mechanical
Section: 15140—Domestic Water Piping
15180—Heating and Cooling 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
301 North Main Street, Floor 9
Wichita, Kansas 67202
www.viega.com

Compliance with the following codes:

2009 *International Residential Code*® (2009 IRC)
2006 *International Residential Code*® (2006 IRC)
2009 *International Plumbing Code*® (2009 IPC)
2006 *International Plumbing Code*® (2006 IPC)
2009 *International Mechanical Code*® (2009 IMC)
2006 *International Mechanical Code*® (2006 IMC)
2009 IAPMO *Uniform Plumbing Code** (2009 IAPMO UPC)
2006 IAPMO *Uniform Plumbing Code** (2006 IAPMO UPC)

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Compliance with the following standards:

ASTM B 88, Standard Specification for Seamless Copper Water Tube
LC1002, Press-Connection Fittings for Potable Water Tube and Radiant Heating Systems
NSF/ANSI 61, Drinking Water Systems Components—Health Effects
NSF/ANSI 61 Annex G, Weighted Average Lead Content Evaluation Procedure to a 0.25% Lead Requirement

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.
  Standard products to be marked NSF® - 61.
  Low lead products to be marked NSF® - 61 – G.

- Packages of fittings must bear the manufacture's name (Viega LLC), 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: C x M NPT	$^1/_2$" to 2"
	Bronze Male XL Adapter: C x M NPT	$2^1/_2$" to 4"
	Copper Male XL-C Adapter: C M x M NPT	$2^1/_2$" to 4"
	Bronze Female Adapter: C x F NPT	$^1/_2$" to 2"
	Copper Female XL-C Adapter: C x F NPT	$2^1/_2$" to 4"
	Bronze Male Adapter: FTG x M NPT	$^1/_2$" to 2"
	Bronze Female Adapter: FTG x M NPT	$^1/_2$" to 2"
	Bronze PEX Press ProPress Adapter: PEX Press x C	$^1/_2$" to $1^1/_2$"
$^1/_2$Cap	Copper Cap: C	$^1/_2$" to 2"
	Bronze XL Cap: C	$2^1/_2$" to 4"
	Copper XL-C Cap: C	$2^1/_2$" to 4"
Coupling	Copper Coupling with Stop: C x C	$^1/_2$" to 2"
	Bronze XL Coupling with Stop: C x C	$2^1/_2$" to 4"
	Copper XL-C Roll Stop Coupling: C x C	$2^1/_2$" to 4"
	Copper Coupling No Stop: C x C	$^1/_2$" to 2"
	Bronze Coupling Extended No Stop: C x C	$^1/_2$" to 2"
	Bronze XL Coupling No Stop: C x C	$2^1/_2$" to 4"
Cross-over	Copper Cross-Over: C x C	$^1/_2$" to $^3/_4$"
	Copper Cross-Over: FTG x C	$^1/_2$" to $^3/_4$"
Elbow	Copper Elbow 90 degrees: C x C	$^1/_2$" to 2"
	Bronze XL Elbow 90 degrees: C x C	$2^1/_2$" to 4"
	Copper XL-C Elbow 90 degrees: C x C	$2^1/_2$" to 4"
	Copper Elbow 90 degrees: FTG x C	$^1/_2$" to 2"
	Bronze XL Elbow 90 degrees: FTG x C	$2^1/_2$" to 4"
	Copper XL-C Elbow 90 degrees: FTG x C	$2^1/_2$" to 4"
	Copper Elbow 45 degrees: C x C	$^1/_2$" to 2"
	Bronze XL Elbow 45 degrees: C x C	$2^1/_2$" to 4"
	Copper XL-C Elbow 45 degrees: C x C	$2^1/_2$" to 4"
	Copper Elbow 45 degrees: FTG x C	$^1/_2$" to 2"
	Bronze XL Elbow 45 degrees: FTG x C	$2^1/_2$" to 4"
	Copper XL-C Elbow 45 degrees: FTG x C	$2^1/_2$" to 4"
	Bronze Elbow 90 degrees: C x M NPT	$^1/_2$" to 2"
	Bronze Elbow 90 degrees: C x F NPT	$^1/_2$" to 2"
	Bronze Elbow 90 degrees: FTG x F NPT	$^1/_2$"
	Bronze Elbow Drop 90 degrees: C x F with Wall Plate	$^1/_2$" to 1"
	Bronze Elbow Hi Ear 90 degrees: C x F with Wall Plate	$^1/_2$"

DESCRIPTION		SIZE RANGE
Fitting reducer	Copper Reducer: C x C	$^1/_2$" to 2"
	Copper XL-C Reducer: C x C	$2^1/_2$" to 4"
	Copper Reducer: FTG x C	$^1/_2$" to 2"
	Bronze XL Reducer: FTG x C	$2^1/_2$" to 4"
	Copper XL-C Reducer: FTG x C	$2^1/_2$" to 4"
Tee	Bronze Tee: C x C x F NPT	$^1/_2$" to 2"
	Bronze XL Tee: C x C x F NPT	$2^1/_2$" to 4"
	Copper XL-C Tee: C x C x F NPT	$2^1/_2$" to 4"
	Bronze Vent Tee: C x F x C	$^1/_2$" to $^3/_4$"
	Bronze Tee: C x F NPT x C	$^1/_2$" to 2"
	Copper Venturi Tee: C x C x C	$^1/_2$" to $1^1/_4$"
	Copper Tee: C x C x C	$^1/_2$" to 2"
	Bronze XL Tee: C x C x C	$2^1/_2$" to 4"
	Copper XL-C Tee: C x C x C	$2^1/_2$" to 4"
Manifold	ProPress Copper Manifold: C x C	$^1/_2$" to 1"
	ProPress Copper Manifold: 3 Outlet C x C	$^1/_2$" to 1"
Union	Bronze Union: C x C	$^1/_2$" to 2"
	Bronze Union: C x F NPT	$^1/_2$" to 2"
	Bronze Union: C x M NPT	$^1/_2$" to 2"
	Bronze Di-Electric Union: C x F NPT	$^1/_2$" to 2"
Flange	Bronze Two Piece Flange: C x Flange	1" to 2"
	Bronze XL Two Piece Flange: C x Flange	$2^1/_2$" to 4"
	Copper XL-C Two Piece Flange: C x Flange	$2^1/_2$" to 4"
Valve	Bronze ProPress Check Valve: C x C	$^1/_2$" to 2"
	Bronze Ball Valve	$^1/_2$" to 2"

Conditions of listing:

1. Fittings are for use with ASTM B88, Type K, L, or M, copper.
2. Operating temperature range for potable water must be within 32ºF to 250ºF (0ºC to 121ºC). Operating temperature range for hydronic systems must be within 0ºF to 250ºF (-17ºC to 121ºC).
3. The fittings have not been evaluated for use when embedded in a solid material such as concrete.
4. The potable water distribution system utilizing the Viega ProPress fittings must be pressure-tested and inspected in accordance with IPC Section 312.5, 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, 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 three surveillance inspections per year by NSF International (AA-633).