



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

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Viega LLC's MegaPress and MegaPress FKM System: Press-connect carbon steel fittings used in hydronic heating and cooling systems

Listee: Viega LLC
585 Interlocken Blvd.
Broomfield, CO 80021
www.viega.us

Compliance with the following codes:

2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Residential Code*® (IRC)
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *International Mechanical Code*® (IMC)
2024, 2021, 2018, 2015, 2012, 2009 and 2006 *Uniform Mechanical Code*® (UMC)*
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 F3226-2019(R24), Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems
IAPMO/ANSI/CAN Z1117-2022, Press Connections
ICC-ES LC1002-2013, Press-Connection Fittings for Potable Water Tube and Radiant Heating Systems

Identification:

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

- Manufacture's name (Viega) or trademark.
- Nominal size corresponding to the pipe size.
- Date of manufacture (date code or batch code).
- Mark of third-party testing agency.
- Packages of fittings must bear the manufacture's name (Viega), product name (MegaPress), model number and the ICC-ES PMG listing mark.

Installation:

Viega MegaPress 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 MegaPress fittings are available in sizes from 1/2 inch (13 mm) to 4 inches (108 mm). Viega MegaPress fittings are rated for a maximum operating pressure of 200 pounds per square inch (psi) (1378 kPa). Fittings are available in carbon steel and are provided with a factory-installed EPDM (ethylene propylene diene monomer) sealing element for 1/2 inch to 2 inch sizes and a FKM (fluoroelastomer) sealing element for 1/2 inch to 4 inch sizes. 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 | Male Adapter, P x M NPT | 1/2" to 4" |
| | Female Adapter, P x F NPT | 1/2" to 4" |
| | | |
| Cap | Cap, P x Cap | 1/2" to 4" |
| | | |
| Coupling | Coupling w/Stop, P x P | 1/2" to 4" |
| | Coupling w/o Stop, P x P | 1/2" to 4" |
| | Extended Coupling w/o Stop, P x P | 1/2" to 2" |
| | | |
| Elbow | Elbow 90°, P x P | 1/2" to 4" |
| | Elbow 90°, FTG x P | 1/2" to 4" |
| | Elbow 45°, P x P | 1/2" to 4" |
| | Elbow 45°, FTG x P | 1/2" to 4" |
| | | |
| Tee | Tee, P x P x P | 1/2" to 4" |
| | Reducing Tee, P x P x P | 1/2" to 4" |
| | Tee, P x P x FPT | 1/2" to 4" |
| | | |
| Union | Union, P x P | 1/2" to 2" |
| | Union, P x FPT | 1/2" to 2" |
| | | |
| Flange | Flange, P x Flange | 1/2" to 4" |
| | | |
| Reducer | Reducer, FTG x P | 1/2" to 4" |
| | Reducer, P x P | 1/2" to 2" |
| | | |
| Valve | 3pc Valve, P x P | 1/2" to 4" |
| | Ball Valve P x P | 1/2" to 4" |
| | | |
| Transition Couplers | ZL Bronze P x FTG (IPS x CTS street) – EPDM | 1/2" to 2" |
| | ZL Bronze P x FTG (IPS x IPS) – EPDM | 1/2" to 2" |
| | ZL Bronze P x P (IPS x IPS) – FKM | 1/2" to 2" |

Conditions of listing:

1. Fittings are for use with Schedule 5 to Schedule 40 ASTM A53, ASTM A106, ASTM A135 or ASTM A795 steel and wrought-iron pipe.
2. Operating temperature range must be within 0°F to 250°F (-17°C to 121°C) for fitting with the EPDM sealing element. Operating temperature range must be within 14°F to 284°F (-10°C to 140°C) with temperature spikes up to 356°F (180°C) for fitting with the FKM sealing element.
3. The fittings have not been evaluated for use when embedded in a solid material such as concrete.
4. 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
5. The fittings are under a quality control program with annual surveillance inspections by ICC-ES.