

ICC-ES Report

PMG-1036

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Reissued 07/2018
This report is subject to renewal 07/2019

EVALUATION SUBJECT:

VIEGA LLC PROGRESSG AND MEGAPRESSG SYSTEM

DIVISION:

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

SECTION:

23 11 00—FACILITY FUEL PIPING

Report Holder:

VIEGA LLC

301 NORTH MAIN STREET, FLOOR 9
WICHITA, KS 67202

Look for the ICC-ES marks of Conformity!



ICC-ES PMG Product Certificate

PMG-1036

Effective Date: July 2018

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



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CSI: DIVISION: 23 00 00—HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)
Section: 23 11 00—Facility Fuel 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.

Products: Viega LLC ProPressG and MegaPressG System: Press-connect metallic fittings for fuel gas distribution systems

Listee: Viega LLC
301 North Main Street, Floor 9
Wichita, Kansas 67202
www.viega.us

Compliance with the following codes:

2018, 2015, 2012, 2009, and 2006 *International Fuel Gas Code*® (IFGC)
2018, 2015, 2012, 2009, and 2006 *International Residential Code*® (IRC)
2018, 2015, 2012, 2009, and 2006 *Uniform Plumbing Code*® (UPC)*
ASME B31 Code for Pressure Pipe; standards B31.1-2016, B31.3-2016 and B31.9-2017

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Compliance with the following standards:

ASTM A 53-2012, Standard Specification for Pipe, Steel, Black and Hot Dipped Zinc-coated Welded and Seamless
ASTM A 106-2018 Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service
ASTM B 88-2016, Standard Specification for Seamless Copper Water Tube
ANSI LC 4a-2013(R2017)/CSA 6.32a-2013(R2016), Press-connect Metallic Fittings for Use in Fuel Gas Distribution Systems

Identification:

Fittings: The Viega LLC ProPressG and MegaPressG fittings must bear a permanent marking with the following information:

- Manufacturer's name or trademark (Viega).
- Nominal size corresponding to the tube/pipe size.
- Date of manufacture (date code or batch code).
- Maximum specified operating pressure.

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.

- Color identification: yellow (for fuel gas only).
- Mark of the third-party inspection agency.

Packages of fittings must bear the manufacturer’s name (Viega LLC), product name (ProPressG or MegaPressG), part number and the ICC-ES PMG listing mark.

Installation:

Viega ProPressG and MegaPressG 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. Installation is subject to approval by the code official having jurisdiction.

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

Models:

Fittings:

The Viega ProPressG fittings are available in sizes from 1/2 inch (13 mm) to 2 inches (51 mm). Viega ProPressG fittings are rated for a maximum operating pressure of 125 pounds per square inch gauge (psig) (862 kPa gauge). Each fitting is available in copper or copper alloy and is provided with a factory-installed HNBR (hydrogenated nitrile butadiene rubber) 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 Adapters: P x M NPT	1/2" to 2"
	Bronze Female Adapters: P x F NPT	1/2" to 2"
CAP	Copper Caps	1/2" to 2"
COUPLING	Copper Couplings with Stop: P x P	1/2" to 2"
ELBOW	Copper Elbow 90 degrees: P x P	1/2" to 2"
	Copper Elbow 90 degrees: FTG x P	1/2" to 2"
	Copper Elbow 45 degrees: P x P	1/2" to 2"
	Copper Elbow 45 degrees: FTG x P	1/2" to 2"
REDUCER	Copper Reducer: P x P	1/2" to 2"
TEE	Copper Tee: P x P x P	1/2" to 2"
UNION	Bronze Union: P x P	1/2" to 2"
BALL VALVE	Ball Valve	1/2" to 2"

For SI: 1 inch = 25.4 mm.

The MegaPressG system (Size 1/2 to 2 inch) is a steel pipe connection system intended to join Schedule 10 and Schedule 40 black iron pipe to Viega Fittings. Viega MegaPressG fittings are rated for a maximum operating pressure of 125 pounds per square inch gauge (psig) (862 kPa gauge). Press fittings are made of E235 (ASTM A53 Gr. B) Hot Rolled Steel. The fittings are provided with yellow HNBR Sealing elements (O-rings). The fittings are also provided with a corresponding yellow marking at each end. The connection to the black iron pipe shall be made with a hydraulic or electro-hydraulic press tool. The tools have specific jaws, rings and prep tools for each size (1/2, 3/4, 1, 1-1/4, 1-1/2 and 2).

	DESCRIPTION	SIZE RANGE
ADAPTER	Steel Male Adapters: P x M NPT	1/2" to 2"
	Steel Female Adapters: P x F NPT	1/2" to 2"
CAP	Steel Caps	1/2" to 2"
COUPLING	Steel Couplings with Stop: P x P	1/2" to 2"
	Steel Coupling w/o Stop: P x P	1/2" to 2"
	Steel Coupling Extended w/o Stop: P x P	1/2" to 2"
ELBOW	Steel Elbow 90 degrees: P x P	1/2" to 2"
	Steel Elbow 90 degrees: FTG x P	1/2" to 2"
	Steel Elbow 45 degrees: P x P	1/2" to 2"
	Steel Elbow 45 degrees: FTG x P	1/2" to 2"
REDUCER	Steel Reducer: FTG x P	1/2" to 2"
	Steel Reducer: P x P	1/2" to 2"
TEE	Steel Tee: P x P x P	1/2" to 2"
	Steel Tee: P x P x F NPT	1/2" to 2"
UNION	Steel Union: P x P	1/2" to 2"
	Steel Union: P x NPT	1/2" to 2"
FLANGE	Steel Flange	1/2" to 2"

For **SI**: 1 inch = 25.4 mm.

Conditions of Listing:

1. The metallic fittings and valves mentioned in this report shall be used for fuel gas systems and are intended for installation above ground, below ground, indoors or outdoors and are suitable for use in concealed locations.
2. In accordance with IFGC Section 402.6 and UPC Section 1211.5, the maximum design operating pressure for piping systems located inside buildings must not exceed 5 psig (34 kPa gauge) except where at least one of the following conditions is met:
 - a. The piping system is welded.
 - b. The piping is located in a ventilated chase or otherwise enclosed for protection against accidental gas accumulation.
 - c. The piping is located inside buildings or in separate areas of buildings used exclusively for:
 - i. Industrial processing or heating.

- ii. Research.
 - iii. Warehousing.
 - iv. Boiler or mechanical rooms.
 - d. The piping is a temporary installation for buildings under construction.
 - e. The piping serves appliances or equipment used for agricultural purposes.
 - f. The piping system is an LP-gas piping system with design operating pressure greater than 20 psi (137.9 kPa), and complies with NFPA 58 (IFGC) or NFPA 54 (UPC).
3. When piping is installed in vertical chases under the UBC, the gas piping exceeding 5 psig (34 kPa) must be installed in accordance with UBC Section 1211.4.
4. Copper and copper alloy fittings are for use with ASTM B 88, Type L or Type K, copper only.
5. Steel fittings are for use with ASTM A53 or ASTM A106 Schedule 10 or Schedule 40 Black pipe or carbon steel only.
6. Operating temperature range must be within minus 40°F to plus 180°F (minus 40°C to plus 82.2°C).
7. The fittings have not been evaluated for use when embedded in a solid material such as concrete.
8. The fitting installation must be pressure-tested for leaks in the presence of the code official or the official's designated representative in accordance with the applicable code.
9. The fittings under a quality control program with an annual surveillance inspection by ICC-ES.