

ICC-ES Report

PMG-1019

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Reissued 09/2018
This report is subject to renewal 09/2019

EVALUATION SUBJECT:

GASTITE FLEXIBLE GAS PIPING SYSTEM

DIVISION:

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

SECTION:

23 11 00—FACILITY FUEL PIPING

Report Holder:

TITEFLEX CORPORATION/GASTITE DIVISION

Look for the ICC-ES marks of Conformity!



ICC-ES PMG Product Certificate

PMG-1019



Effective Date: September 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

Product: Gastite Flexible Gas Piping System

Listee: Titeflex Corporation/Gastite Division
1116 Vaughn Parkway
Portland, TN 37148
www.gastite.com

Compliance with the following codes:

2018, 2015, 2012 and 2009 *International Residential Code*® (IRC)
2018, 2015, 2012 and 2009 *International Mechanical Code*® (IMC)
2018, 2015, 2012 and 2009 *International Fuel Gas Code*® (IFGC)
2018, 2015, 2012 and 2009 *Uniform Mechanical Code*® (UMC)*
2018, 2015, 2012 and 2009 *Uniform Plumbing Code*® (UPC)*
2016, 2013 and 2010 *California Plumbing Code* (CPC)
2016, 2013 and 2010 *California Mechanical Code* (CMC)
2017 *City of Los Angeles Plumbing Code*
2017 *City of Los Angeles Mechanical Code*

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Compliance with the following standard:

ANSI LC 1/CSA 6.26-2018, Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)

Identification:

tubing: Each 2 feet (610 mm) of tube bears the Gastite name, part number, rated pressure [25 psi (170 kPa)], equivalent hydraulic diameter (EHD), the words "FUEL GAS" and the ICC-ES PMG listing mark.

Components: Fittings, termination outlets and distribution manifolds are stamped with the Titeflex logo, the part numbers and the date stamp.

Installation:

Installation must be in accordance with the “Gastite Design and Installation Guide” and the applicable codes. The system installation consists of CSST distribution lines installed between the gas meter and fuel gas appliances. CSST not in contact with the ground, but exposed to the outdoors, must be installed in accordance with IFGC Section 404.7, IRC Section G2415.7, IAPMO UMC Section 1312.2, or IAPMO UPC Section 1211.2, as applicable. Distribution lines must be protected from physical damage at points of support and when passing through structural members such as studs, joists and plates by the installation of approved pre-manufactured mechanical devices such as striker plates and oversized strip-wound metal conduit. In areas enforcing the IFGC or IRC, installation of the tubing is not permitted within ducts. The CSST must be sized in accordance with capacity tables in the manufacturer’s published installation instructions.

The system is used with supply pressures not exceeding 25 psi (170 kPa), and for low pressure [below 1/2 psi (3.4 kPa)] and medium pressure [2 psi (13.8 kPa)] equipment applications. Low pressure applications with system supply pressures below 1/2 psi (3.4 kPa) do not require a line regulator. System supply pressures exceeding 1/2 psi (3.4 kPa), but less than 2 psi (13.8 kPa) utilize a line regulator to limit downstream appliance utilization pressure to 1/2 psi (3.4 kPa). System supply pressures that exceed 2 psi (13.8 kPa), but do not exceed 25 psi (170 kPa) require a line regulator to limit downstream appliance utilization pressure to 1/2 psi (3.4 kPa), and an additional over-pressure protection device, installed between the line regulator and the appliance, to limit pressure to 2 psi (13.8 kPa). Medium pressure equipment applications with 2 psi (13.8 kPa) and greater supply pressures require a line regulator to limit downstream appliance utilization pressure to 2 psi (13.8 kPa). At supply pressures in excess of 2 psi (13.8 kPa), downstream appliance controls rated for the supply pressure, or protection by some other means, is needed.

The product must be used only with natural gas and propane at operating pressures not exceeding 25 psi (170 kPa). Pressure regulators are required when fuel supply pressures exceed 1/2 psi (3.4 kPa).

Models:

The Gastite Flexible Gas Piping System is a fuel-gas piping system for natural or propane gas, intended for installation with fuel gas pressures not exceeding 25 psi (170 kPa); the system is installed in interior locations, and in exterior locations as permitted by applicable code.

The system consists of corrugated stainless steel tubes (CSST) and mechanical all-metal components designed for use only with the Gastite CSST. Components utilize a metal-to-metal seal, and include mechanical fittings, distribution manifolds, shutoff valves, termination outlet devices, pressure regulators and protection devices.

The CSST is composed of concentric, annular rings of Type 304 stainless steel with an international-yellow fuel-gas-colored polyethylene coating.

The product is available in nominal 3/8-, 1/2-, 3/4-, 1-, 1 1/4-, 1 1/2- and 2-inch-diameter (9.5, 12.7, 19.1, 25.4, 31.8, 38.1 and 50.8 mm) sizes, identified as part numbers S93-6A4, S93-8A4, S93-11B4, S93-16A4, S93-20A4, S93-24A4, and S93-32A4.

Conditions of listing:

1. Installation complies with this listing; the manufacturer’s published installation instructions and the applicable code. If there is a conflict between the installation instructions and this listing, this listing governs.
2. The product must be used only with natural gas and propane at operating pressures not exceeding 25 psi (170 kPa). Pressure regulators are required when fuel supply pressures exceed 1/2 psi (3.4 kPa).
3. The system must be pressure-tested after installation in accordance with the applicable code.
4. The system is under a quality control program with annual surveillance inspections by ICC-ES.