



CSI: DIVISION: 23 00 00—MECHANICAL
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: TracPipe® Flexible Fuel Gas Piping System

Listee: OmegaFlex® Inc.
451 Creamery Way
Exton, Pennsylvania 19341-2509
www.omegaflex.com

Compliance with the following codes:

2024, 2021, 2018, 2015, 2012 and 2009 *International Fuel Gas Code*® (IFGC)
2024, 2021, 2018, 2015, 2012 and 2009 *International Residential Code*® (IRC)
2024, 2021, 2018, 2015, 2012 and 2009 *Uniform Plumbing Code*® (UPC)*
2024, 2021, 2018, 2015, 2012 and 2009 *Uniform Mechanical Code*® (UMC)*

**Uniform Plumbing Code and Uniform Mechanical Code are copyrighted publications of the International Association of Plumbing and Mechanical Officials*

Compliance with the following standards:

CSA/ANSI LC 1/CSA 6.26-2023 Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)
CSA B149.1-2020, National Gas and Propane Installation Code
NFPA 54/ANSI Z223.1-2024, National Fuel Gas Code

Identification:

Tubing: Each 2 feet (610 mm) of tube bears the OmegaFlex® Inc. name, part number, rated pressure [25 psi (172 kPa)], equivalent hydraulic diameter (EHD), the words "Fuel Gas", and the ICC-ES PMG listing mark. The ICC-ES PMG listing number (PMG-1046) is optional.

Components: Fittings, termination outlets and distribution manifolds are stamped with the OmegaFlex® Inc. logo, the part number and the date stamp.

Installation:

Installation must be in accordance with the TracPipe® Flexible Gas Piping Design Guide and Installation Instructions; and the applicable code. 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, and UPC Section 1211.2.1, 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. The CSST must be sized in accordance with capacity tables in the manufacturer's published installation instructions.

The system must be used with natural gas and propane only at operating pressures not exceeding 25 psi (172 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 that do not exceed 25 psi (172 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), protection by downstream appliance controls rated for the supply pressure, or protection by some other means, is needed.

Models:

The TracPipe® Flexible Fuel Gas Piping System is a fuel-gas piping system for natural or propane gas complying with ANSI LC-1, intended for installation with fuel gas pressures not exceeding 5 psi (34 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 (CSSTs) and mechanical fittings designed for use only with the OmegaFlex® Inc. CSSTs. 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 or Type 321 stainless steel with an international-yellow fuel-gas-colored polyethylene coating.

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 or propane at operating pressures not exceeding 25 psi (172 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 CSST piping system must not be used as a grounding electrode for an electrical system.
5. Installation of the tubing is not permitted within ducts.
6. The TracPipe® Flexible Fuel Gas Piping System is manufactured by OmegaFlex® Inc. in Exton, Pennsylvania under a quality control program with two surveillance inspections per year by ICC-ES.

TABLE 1—PART NUMBER LISTING

Part Number	Size (inches)	Description
FGP-SS4-375	$\frac{3}{8}$	TracPipe Tubing
FGP-SS4-500	$\frac{1}{2}$	TracPipe Tubing
FGP-SS4-750	$\frac{3}{4}$	TracPipe Tubing
FGP-SS4-100	1	TracPipe Tubing
FGP-SS4-125	$1\frac{1}{4}$	TracPipe Tubing
FGP-SS4-150	$1\frac{1}{2}$	TracPipe Tubing
FGP-SS4-200	2	TracPipe Tubing

SI units: 1 inch = 25.4 mm