



Effective Date: July 2024

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

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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® PS-II Polyethylene-Sleeved Flexible Fuel Gas Piping System  
(For use aboveground, underground and underground beneath buildings)Listee: OmegaFlex® Inc.  
451 Creamery Way  
Exton, Pennsylvania 19341-2509  
[www.omegaflex.com](http://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)\*  
2020 and 2015 *Natural Gas and Propane Installation Code (CSA B149.1)*\*\*

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## Compliance with the following standards:

CSA/ANSI LC 1/CSA 6.26 –2023 Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)  
NFPA 54/ANSI Z223.1-2024, National Fuel Gas Code  
NFPA 58-2024, Liquefied Petroleum Gas Code  
LC1023 – 2009, PMG Listing Criteria for Polyethylene Sleeved Corrugated Stainless Steel Tubing  
PMG-1046 OmegaFlex® Inc. TracPipe® Flexible Fuel Gas Piping System

## 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-1052) is optional.

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

**Installation:**

TracPipe® PS-II installation must be in accordance with the TracPipe® Flexible Gas Piping Design Guide and Installation Instructions, IFGC Section 404, IRC Section 2415, UMC Section 1309, UPC Section 1210 and CSA B149.1 Clause 6.15, as applicable. The system installation consists of CSST distribution lines installed between the natural gas meter or the LP container and fuel gas appliances. As a portion of this system may be installed underground or underground beneath buildings, the Authority Having Jurisdiction shall enforce the applicable local code requirements regarding the approval of the TracPipe® PS-II installation. Otherwise installation must be in accordance with PMG-1046.

In addition, for Canadian regions, CSST and fittings shall be protected against physical damage in accordance with the manufacturer's installation instructions and in accordance with CSA B149.1. The CSST must not be used to connect to a meter, unless the meter assembly is independently supported. CSST must not be used as a gas connector

**Models:**

The TracPipe® PS-II Polyethylene-Sleeved Flexible Fuel Gas Piping System consists of two parts: (1) The Corrugated Stainless Steel tubing is recognized in conformance with ANSI LC-1/CSA 6.26 and the codes in PMG-1046; and (2) a vented polyethylene sleeve. The system is a fuel-gas piping system for natural or propane gas, intended for installation with fuel gas pressures not exceeding 25 psi (172 kPa).

The system consists of corrugated stainless steel tubing (CSST), mechanical fittings, which utilize a metal-to-metal seal designed for use only with the OmegaFlex® Inc. CSST, and special transition couplings. Other system components, may include 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 a black polyethylene sleeve (conduit) for aboveground or underground use. See Table 1 for thickness of black polyethylene sleeve (conduit).

Based on submitted calculations, burial depth for TracPipe® PS-II is equivalent to that allowed for schedule 80 PVC. TracPipe® PS-II has been evaluated to LC1023 for use when exposed to corrosive action, such as that caused by soil condition or moisture, or burial underground beneath buildings.

**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. Tubing sections underground beneath a building damaged during installation must be replaced in their entirety.
7. Splices, fittings and joints are prohibited underground beneath buildings.
8. The vent must be protected from the entry of water and insects.
9. The design of the piping (tubing) to withstand superimposed loads must be submitted to the code official for each installation when used underground or underground beneath buildings and is beyond the scope of this listing.
10. For Canada, the CSST must not be used to connect to a meter, unless the meter assembly is independently supported and must not be used as a gas connector.
11. The TracPipe® PS-II Polyethylene-Sleeved Flexible Fuel Gas Piping System is under a quality control program with two surveillance inspections per year by ICC-ES.

**TABLE 1—POLYETHYLENE SLEEVE (CONDUIT) THICKNESS**

Tubing Size (inches)	<sup>3</sup> / <sub>8</sub>	<sup>1</sup> / <sub>2</sub>	<sup>3</sup> / <sub>4</sub>	1	1 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	2
Nominal Minor Thickness (inches)	0.080	0.120	0.120	0.125	0.150	0.160	0.170

**TABLE 2—PART NUMBER LISTING**

Part Number <sup>2</sup>	Size (inches) <sup>1</sup>	Description
FGP-UGP-375-xxx	<sup>3</sup> / <sub>8</sub> "	PS- II Tubing
FGP-UGP-500-xxx	<sup>1</sup> / <sub>2</sub> "	PS- II Tubing
FGP-UGP-750-xxx	<sup>3</sup> / <sub>4</sub> "	PS- II Tubing
FGP-UGP-100-xxx	1"	PS- II Tubing
FGP-UGP-125-xxx	1 <sup>1</sup> / <sub>4</sub> "	PS- II Tubing
FGP-UGP-150-xxx	1 <sup>1</sup> / <sub>2</sub> "	PS- II Tubing
FGP-UGP-200-xxx	2"	PS- II Tubing
FGP-UGF-375	<sup>3</sup> / <sub>8</sub> "	<sup>3</sup> / <sub>8</sub> " NPT Male Fittings
FGP-UGF-500	<sup>1</sup> / <sub>2</sub> "	<sup>1</sup> / <sub>2</sub> " NPT Male Fittings
FGP-UGF-750	<sup>3</sup> / <sub>4</sub> "	<sup>3</sup> / <sub>4</sub> " NPT Male Fittings
FGP-UGF-1000	1"	1" NPT Male Fittings
FGP-UGF-1250	1 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " NPT Male Fittings
FGP-UGF-1500	1 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " NPT Male Fittings
FGP-UGF-2000	2"	2" NPT Male Fittings
FPG-UGC-375	<sup>3</sup> / <sub>8</sub> "	<sup>3</sup> / <sub>8</sub> " T/P Coupling
FPG-UGC-500	<sup>1</sup> / <sub>2</sub> "	<sup>1</sup> / <sub>2</sub> " T/P Coupling
FPG-UGC-750	<sup>3</sup> / <sub>4</sub> "	<sup>3</sup> / <sub>4</sub> " T/P Coupling
FPG-UGC-1000	1"	1" T/P Coupling
FPG-UGC-1250	1 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>4</sub> " T/P Coupling
FPG-UGC-1500	1 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> " T/P Coupling
FPG-UGC-2000	2"	2" T/P Coupling
FGP-UGTC-375	<sup>3</sup> / <sub>8</sub> "	PS- II Transition Coupling Assy
FGP-UGTC-500	<sup>1</sup> / <sub>2</sub> "	PS- II Transition Coupling Assy
FGP-UGTC-750	<sup>3</sup> / <sub>4</sub> "	PS- II Transition Coupling Assy
FGP-UGTC-100	1"	PS- II Transition Coupling Assy
FGP-UGTC-125	1 <sup>1</sup> / <sub>4</sub> "	PS- II Transition Coupling Assy
FGP-UGTC-150	1 <sup>1</sup> / <sub>2</sub> "	PS- II Transition Coupling Assy
FGP-UGTC-200	2"	PS- II Transition Coupling Assy

<sup>1</sup>SI units: 1 inch = 25.4 mm

<sup>2</sup>xxx = length of tubing in feet