



OMEGAFLEX® Ltd. Flexible Gas Piping Specification Sheet

Project Name:	_____	Date Submitted:	_____
Project Location:	_____	Submitted By:	_____
Engineer:	_____	Approved By:	_____
Contractor:	_____	OmegaFlex® Sales Rep.:	_____

TracPipe® Model No.:

FGP-SS4-50 FGP-SS4-40 FGP-SS4-32 FGP-SS4-28 FGP-SS4-22 FGP-SS4-15 FGP-SS4-12

TracPipeCC® Model No.:

FGP-SS4-50CC FGP-SS4-40CC FGP-SS4-32CC FGP-SS4-28CC FGP-SS4-22CC FGP-SS4-15CC

Note: This Specification Sheet should be read in conjunction with the latest revision of the TracPipe® and TracPipeCC® Design and Installation Specification available from www.tracpipe.co.uk. If further technical information is required, please e-mail tech-help@omegaflex.com.

A. Standards & Certifications:

All Semi-Rigid CSST gas piping system components must be:

- A.1 BS EN 15266** Stainless steel pliable corrugated tubing kits in building for gas with an operating pressure up to 0.5bar.
- A.2 BS 6891** Specification for the installation and maintenance of low pressure gas pipework of up to 35 mm (R1^{1/4}) on premises.
- A.3 IGEM/UP/2** Installation pipework on industrial and commercial Premises. The IGEM communication 1771.
- A.4 IGEM/G/5** The design, installation, operation and maintenance of gas installations for multi-occupancy buildings. The IGEM communication 1762.
- A.6 IGE/UP/7** Utilization Procedures for fixed gas installations within timber light steel framed buildings. The IGEM communication 1722.
- A.5 IGEM/UP/11** The design, installation, operation and maintenance of gas installations for educational establishments. The IGEM communication 1821.

B. Stainless Steel Tubing:

- B.1** Tubing shall be made from 300 series Stainless Steel Strip conforming to BS EN 10028-7.
- B.2** Tubing shall not be subjected to heat treating or annealing after the corrugation forming operation.
- B.3** Tubing shall be suitable for operation with Natural Gas, Propane and Butane and LPG/Air.
- B.4** Tubing is rated for 500 millibar (0.5bar) BS EN 15266.

C. Polyethylene Cover(s):

- C.1** The cover shall be extruded from fire-retardant polyethylene.
- C.2** Chlorinated plastics such as PVC are not permitted.
- C.3** Polyethylene is to be resistant to UV (ultraviolet).
- C.4** Fire and smoke retardant polyethylene with EUROCLASS classification of B-s1, d0

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D. Mechanical Attachment Fittings:

- D.1 Fittings shall be made from copper alloys to BS EN 12165.
- D.2 Fittings shall be equipped with an insert to pilot on the tubing ID (internal diameter) and provide a reliable flaring operation.
- D.3 Brass fittings are available in straight male (BSP), straight female (BSP), tee, reducer tee, copper compression and coupling configurations.
- D.4 Fittings shall provide a metal-to-metal seal, no rubber, pastes or plastic based gaskets.

E. Corrosion Protection:

- E.1 Exposed stainless steel must be wrapped with silicone tape (after gas tightness test).
- E.2 Non-corrosive leak detection fluid, suitable for stainless steel must be used where required.

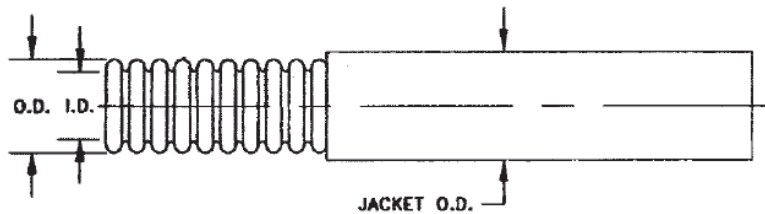
F. TracPipeCC® Complete Containment (Pipe in Pipe solution):

- F.1 Factory applied secondary polyethylene cover must be independently tested at pressures from 20mbar to 1bar (minimum) in order to demonstrate that it performs satisfactorily as a secondary containment, allowing free passage for gas flow between the covers to the end fittings, throughout this pressure range.

G. Certification/Training:

- G.1 Installers should be trained for the use and installation of CSST products.

H. CSST Dimensions:



H.1 TracPipe®

DN	12	15	22	28	32	40	50
Inch	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Cover O.D. (max.) mm	17	22	28	35	42	49	66
I.D. Dia. mm	11	15	21	27	33	40	52

H.2 TracPipeCC®

DN	15	22	28	32	40	50
Inch	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Cover O.D. (max.) mm	25	31	38	45	52	69
I.D. Dia. (nom) mm	15	21	27	33	40	52

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