TracPipe® Flexible Gas Piping by OmegaFlex®

SPECIFICATION SHEET

OMEGAFLEX®, Ltd. TracPipe® Flexible Gas Piping Specification Sheet

Specification date _____

Project Name_____

Model Number(s) FGP-SS4-50 FGP-SS4-40 FGP-SS4-32 FGP-SS4-28 FGP-SS4-22 FGP-SS4-15 FGP-SS4-12

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

A. ***Standards & Certifications:***

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

A.1 **BS 7838** or **BS EN 15266** Certification (CSST) Semi Rigid Flexible Gas Piping with Mechanical Attachment Fittings that conform to the latest National and International standards for safe performance up to DN50.

A.2 **BS 7838** – Specification for corrugated stainless steel semi-rigid pipe and associated fittings for low-pressure gas pipework of up to DN 50.

A.3 **BS 6891** – Installation of low pressure gas pipework of up to 35 mm (R1.1/4) in domestic premises (2nd family gas). - Specification

A.4 **BS 5482** – Code of practice for domestic butane and propane-gas burning installations Part 1: Installations at permanent dwellings, residential and commercial premises, with installation pipework sizes not exceeding DN25 for steel and DN28 for corrugated stainless steel or copper.

A.5 **IGEM/UP/2 Edition 2**. The Institution of Gas Engineers and Managers communication 1729, Installation pipework on industrial and commercial Premises.

B. ***Stainless Steel Tubing:***

B.1 Tubing shall be made from 300 series Stainless Steel Strip conforming to BS 7838 or BS EN 15266.

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, LPG (Propane and Butane).

B.4 Tubing is rated for 75millibar (.075bar) BS 7838 & 500 millibar (.5bar) BS EN 15266.

C. *Polyethylene Jacket:*

C.1 The jacket 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 (ultra-violates).

D. Mechanical Attachment Fittings:

D.1 Fittings shall be made from yellow brass.

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, copper compression, tee, reducer tee 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.

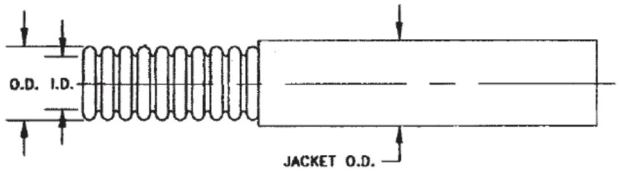
F. CSST Pipe in Pipe System

F.1 Polyethylene jacket must be independently tested by BSI at pressures from 20mbar to 2bar in order to demonstrate that it performs satisfactorily as a sleeve, allowing free passage for gas flow between the stainless steel pipe and the outer sleeve 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



DN	12	15	22	28	32	40	50
Inch	3/8	1/2	3/4	1	1 1/4	1 1/2	2
Jacket O.D. (max) mm	17	22	28	35	42	49	66
Inside Dia. (nom) mm	11	15	21	27	33	40	52
Wall Thk (mm)	0.25	0.25	0.25	0.25	0.3	0.3	0.3