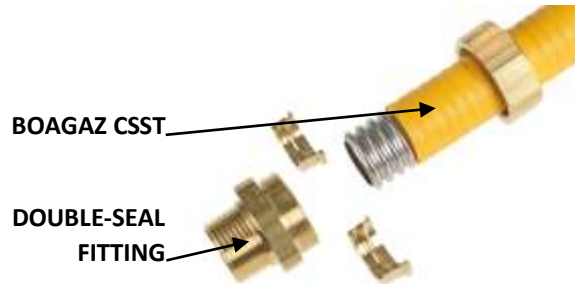


TECHNICAL DATASHEET

FLEXIBLE PIPING SOLUTION



CORRUGATED STAINLESS STEEL TUBING PRODUCT SPECIFICATION



APPLICATIONS

BOAGAZ is suitable for installations of LPG and natural gas up to 500 mbar in residential, industrial and commercial properties with a nominal working pressure of 21 mbar (28 mbar for LPG).

The system is suitable for use with a wide range of appliances, including (but not limited to): • space heating with individual stoves • central heating systems • heating systems with radiators • air heaters • water heaters • ovens • gas stoves • fireplace stoves • sauna stoves • dishwashers • dryers • patio heaters • grills

SYSTEM MATERIALS

The system is made up of corrugated stainless steel tubing which is sleeved in a polyethylene jacket and corresponding brass fittings.

PRODUCT	MATERIAL
CSST TUBING	Stainless Steel 1.4404
OUTER JACKET	Polyethylene
FITTING	Brass

CSST DIMENSIONS

	DN15	DN20	DN25	DN32	DN40	DN50
DIAMETER WITH SLEEVE (d0)	19.7	25.9	31.8	39.8	52.3	65.9
DIAMETER WITHOUT SLEEVE (d1)	18.7	24.9	30.8	38.8	51.3	64.9
MIN. INNER DIAMETER (d2)	14.8	19.7	24.6	31.5	42.3	53.9
PIPE THICKNESS	0.25	0.25	0.25	0.3	0.3	0.3



PIPE SIZING

When determining what size pipe should be used on a BOAGAZ installation, only BOAGAZ sizing tables should be used. Sizing tables can be found in section five of the Installation Handbook. For guidance on sizing principles, see section three of the Installation Handbook.

APPROVALS AND CERTIFICATION

The BOAGAZ CSST system is suitable for use with all three family gases. Approvals were made in accordance with EN

15266:2007 – corrugated stainless steel semi-rigid pipe and associated fittings for low pressure pipework of up to DN50. The approvals cover all sizes within the product range: DN15, 20, 25, 32, 40 and 50.

BOAGAZ should be installed in compliance with BS 6981 for domestic installations and IGEM UP/2 for commercial gas installations.

SYSTEM COMPATIBILITY

BOAGAZ is compatible with other piping solutions such as copper, steel and barrel. The system is NOT compatible with CSST systems from other manufacturer's and as such, systems must not be mixed.

SAFETY

Safety should always be the first priority and the approved installer should take care to adopt safe and compliant working practices, including undertaking a risk assessment before commencing work.

When working with BOAGAZ CSST, care should be taken when handling; cut ends can be sharp and coiled springs may be liable to spring forward when opened. Always wear appropriate safety protection, such as gloves and eyewear. Further safety guidance is available within section one of the Installation Handbook.

CORROSION PROTECTION

When attaching a BOAGAZ fitting it is necessary to remove some of the outer polyethylene jacket in order to get a gas tight seal. Any exposed stainless steel that is still visible after the fitting has been attached, and following a gas tightness test, must be wrapped with self-amalgamating tape to avoid the ingress of dirt, moisture and other contaminants which could corrode the pipe.

BOAGAZ EasySeal fittings are available which feature a pre-loaded outer seal. This acts in place of tape as corrosion protection. Contact sales@boagaz-uk.com for more information.

Some leak-detection solutions contain ingredients which can corrode stainless steel, when choosing a solution opt for one with a sulphur, chlorine and halogen content of less than 10ppm.

STORAGE

Where BOAGAZ components are to be stored before installation they should be kept in a dry location, where they will not be prone to damage. It is essential that water, including condensation, dirt or any other material does not ingress into the pipe. BOAGAZ should not be stored at excessive temperatures.

INSTALLATION

Gas installations should only be undertaken by a qualified Gas Safe Registered installer and in compliance with all relevant standards and guidelines. BOAGAZ CSST can be used only with BOAGAZ fittings and should not be mixed with fittings from another manufacturer. Step-by-step installation instructions are available in section four of the Installation Handbook.

Key benefits of installing BOAGAZ CSST:

- safe and reliable
- flexible
- no need for elbows/joints, bend by hand to change direction
- no hot works
- ideal for tight spaces and overhead work
- reduced installation time
- fewer fittings for reduced leak potential

FURTHER INFORMATION

For more information on the specification and installation of BOAGAZ CSST, installers can consult the Installation Handbook available to download at www.boagaz.co.uk or contact the technical team by emailing info@boagaz-uk.com.