

Flexigas

Flexigas DS™
Instruction sheet



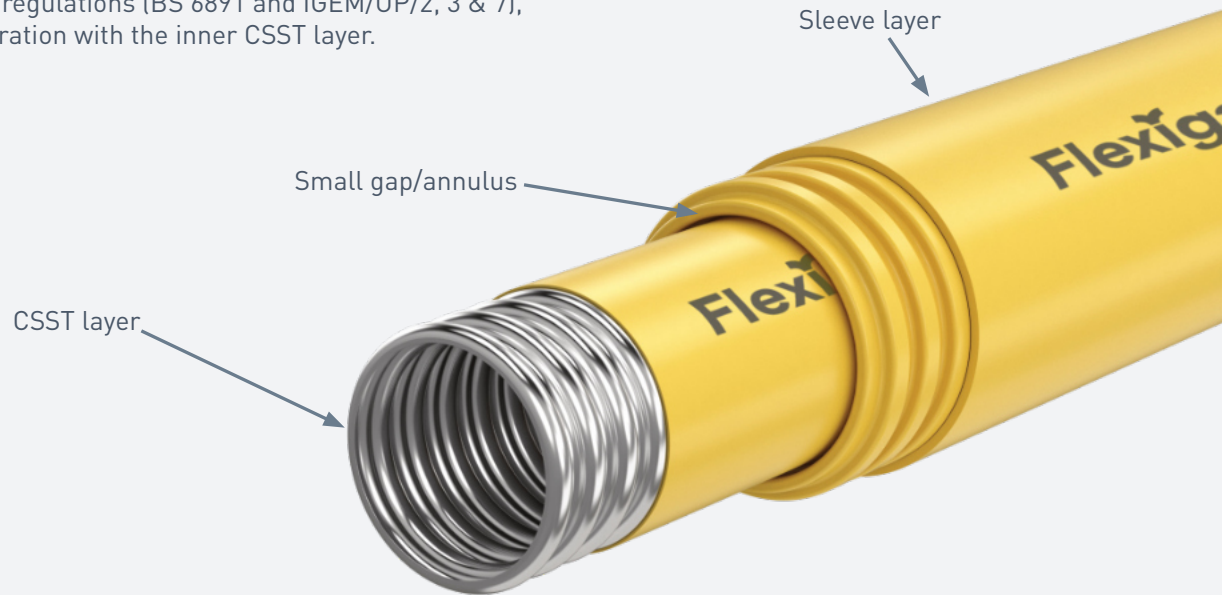
KM 598726
EN 16266

How to install the Flexigas DS™ System

Flexigas DS™ is a patent pending, double layered flexible gas piping system consisting of:

- An inner CSST layer (Corrugated Stainless Steel Tubing) plus a yellow polyethylene cover.
- An outer sleeve layer, including V0 corrugated sleeving, with an exterior polyethylene cover.

The outer sleeve layer is designed specifically to meet the definition of a sleeve according to UK regulations (BS 6891 and IGEN/UP/2, 3 & 7), and is in slidable configuration with the inner CSST layer.



Before you start:

- All UK corrugated stainless steel tubing (CSST), including Flexigas™, must have main equipotential bonding confirming to BS7671, BS6891.
- Check the external sleeve for gaps or holes or any damage that may have happened during transit. All holes must be covered by silicone tape.
- All installations must be made in accordance with BS 6891 or IGEN and the Flexigas™ Installation Manual.



Step 1 - Cut the sleeve

Cut the Flexigas DS™ external sleeve with the Flexigas™ / Knipex sleeve cutter. Slide the external sleeve apart, to expose a section of the Flexigas™ CSST inside.



Step 2 - Cut the inner CSST

Cut the Flexigas™ tubing using a wheel metal pipe cutter. Ensure the cut is centered in the valley between corrugations and the cutter is only slightly tightened on each full revolution around the tube. Make sure the cut is clean and circular with no sharp edges.

Take Note:

- If a clean, circular cut is not made, or if there are any jagged or sharp edges, a proper seal may not be obtained.
- Use a properly sized tubing cutter with a large wheel, especially for larger sizes. Flexigas CSST cutter with support wheels are available.
- Do not use circular copper tubing cutters.



Step 3 - Remove

With a utility knife, safely remove a section of the flame retardant yellow cover from the inner Flexigas™ tubing, so that the last four corrugations are exposed.

Do not remove any of the yellow cover from the external sleeve.



Step 4 - Place the duct cap in position

An optional duct cap can be used to give a neater appearance, and to centre the Flexigas™ tubing in the centre of the sleeving.

This step is optional, but will give a neater appearance.



Step 5 - Slide

Slide the nut over the tubing and then place the two semi-circular collars around the tubing so that the ridges on the collars occupy the last three valleys of the tubing.

Take Note: The split collars need to be placed such that one corrugation sits in front of the leading edge of the collar.



Step 6 - Tighten

Tighten the nut and fitting using two suitably sized wrenches. The seal is formed when the last corrugation deforms against the seat inside the fittings. Use sufficient torque.

Take Note:

- For easiest installation, use a properly sized wrench or spanner with a long handle length for maximum torque. For DN40/DN50 a 24" Stillson wrench (or larger) is recommended.
- Use sufficient torque. A proper seal is only made when the last corrugation is fully flattened and compressed against the fitting seat.

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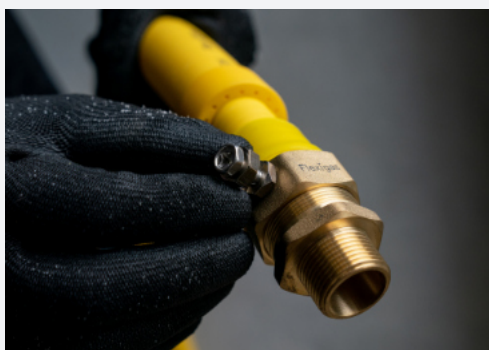


Step 7 - Wrap

After conducting a gas tightness test, wrap the small gap between the "tail" on the nut and tube using yellow silicone tape.

All Flexigas™ tube boxes and spools include FREE silicone tape. If you are attaching the fittings at a later date, make sure you keep the tape in a safe place.

All gas installations in the UK must have main equipotential bonding conforming to BS7671 and BS6891. A patent pending FG Bond™ earthing terminal can optionally be installed to any Flexigas™ fitting. If FG Bond™ is not used, then a traditional bonding clamp must be installed.



Step 8 - Attach

Place the warning notice between earthing terminal and the nut, and then attach the earthing terminal to the nut.



Step 9 - Bond

Strip earthing cable to reveal 1-2cm of copper wire. Screw down onto copper wire.

Additional Notes on Flexigas DS™ external sleeving:

- The external sleeving can be used as a duct to pass through unvented voids. The end of the sleeve should always be located in a vented area, where an optional duct cap can be used for a neater appearance.
- Longer lengths of the Flexigas DS™ external cover can be removed easily if required by cutting the sleeving with the Knipex cutter, and sliding off the undesired length of sleeving.
- The Flexigas DS™ external sleeving can also be used to pass through solid floors, solid walls and structural elements of a building. earth/ground/soil and screed.
- Flexigas DS™ is specifically designed for use in Unventilated Risers, and Munson rings can be attached directly to the external sleeve.

THANK YOU FOR YOUR ORDER, IF YOU HAVE QUESTIONS PLEASE CONTACT OUR TEAM FOR SUPPORT.