



Sure-Seal™ Spiral Self-Sealing Spiral Ductwork System



The above mentioned product is protected by patents and trade marks. Copyright 2007 • All Rights Reserved

- No messy sealer is required, simply slide the pieces together and secure with gasketed tek screw fasteners #10-16-3/4.
- Self sealing spiral will give you a finished look for exposed areas.
- Available in single wall and double wall
- The advantage of Sure Seal Spiral is a manufactured system with low leakage rates.
- Considerable Energy Savings.

Diameter

Even Sizes 4" to 30"

Static Pressure

2" W.G. Negative to
10" W.G. Positive

EPDM Gasket

Thermal Properties

200° F to -20° F

Gauge

26 - 24 - 22

Materials

Galvanized

Galvanneal

Stainless Steel

Aluminum

PCD (polyvinyl coated duct)

Sure Class Products

Sure-Clamp™ Spiral

Sure-Clamp™ Double Wall

Sure-Clamp™ Access (Round)

Sure-Clamp™ Access (Rect.)

Langdon's Sure-Seal™ Spiral is a single wall self-sealing spiral ductwork system that reduces installation cost. Our new gasketed connection is quick and easy. No messy sealer is required, simply slide the pieces together and secure with gasketed tek screw fasteners #10-16-3/4. Self sealing spiral will give you a finished look for exposed areas. Our patented gasket is a dual lipped profile of EPDM rubber that has been tested (using Langdon's manufactured spiral pipe) from Negative 2" W.G. to Positive 10" W.G. achieving a Class 3 seal rating in accordance with SMACNA HVAC Air Duct Leakage Test Manual (first edition 1985). The EPDM gaskets thermal properties are suitable for use in applications from 200°F to -20°F. Sure-Seal™ Spiral is available in single wall and double wall in even sizes from 4" to 30" diameter, 26 gauge to 22 gauge in galvanized, galvanneal, stainless steel, aluminum and PCD (polyvinyl coated ductwork). Tapes and mastic are conventional choices for sealing ductwork and the most cost effective time to seal ductwork is at installation of system. The cost of restoring systems not receiving the required sealing or not being properly sealed can greatly exceed the cost of a proper application.

The transverse ductwork joint may have up to a 3/16" gap around circumference of the duct that will have to be sealed in field and SMACNA does not recommended that a duct system constructed to 3" wg class or lower be leak tested. Concerns for energy conservation, humidity control, space temperature control, room air movement, necessitate regulating leakage by prescriptive measures in SMANCA Construction Standards. Leakage is largely a function of static pressure and the amount of leakage in a system is significantly related to system size. Adequate airtightness can normally be ensured by a. selecting a static pressure, construction class suitable for the operating condition and b. sealing ductwork properly, if the ductwork system is not properly sealed this will result in air leakage above ceiling, energy loss and higher utility costs. The advantage of Sure-Seal™ Spiral is a manufactured system with low leakage rates, this eliminates field workmanship, sealant application, leak testing. As a price comparison, the elimination of sealing ductwork in the field would offset any additional manufacturing cost.