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WARDFLEX® Corrugated Steel Tubing Specification Sheet

WARDFLEX® Corrugated Stainless Steel Tubing has been designed and certified for use in natural gas and propane piping systems per the requirements of ANSI LC-1.

Certifications:

- CSA International
 - Certifies that WARDFLEX® CSST conforms to the latest revision of ANSI LC-1 which governs the safe performance standards for CSST fuel gas piping systems.
 - File #: 112940_0_000
- UL – Underwriters Laboratory
 - WARDFLEX® CSST has UL Through Penetration Firestop Listings ranging from 1 hour to 4 hours for both the U.S. and Canada.
 - File # R18357
- FM – Factory Mutual
- IAPMO – International Association of Plumbing and Mechanical Officials
 - File #: 3353
- ICC – International Code Council
 - Report #: ESR-1879

Tubing

- CSST:
 - All WARDFLEX® CSST sizes are made from 300 series Stainless Steel conforming to ASTM A240.
 - 10A thru 32A WARDFLEX® tubing sizes are fully annealed.
 - WARDFLEX® CSST is approved for 25 PSI when used in conjunction with the WARDFLEX® STEPSAVER fittings.
- Coating
 - All WARDFLEX® CSST is coated with a non halogenated Polyethylene (PE) jacket intended to facilitate installation and protect against accidental contact with substances shown to be caustic to 300 series stainless steel.
 - WARDFLEX® PE coating has been tested per ASTM E84 and shown to have a flame spread/smoke density rating of less than 25/50, thus allowing it to be installed in air plenums and ducts.
 - WARDFLEX® PE coating is UV resistant.

- **WARDFLEX® CSST EHD (Equivalent Hydraulic Diameter) Values**

Tubing Size	10A (3/8")	15A (1/2")	20A (3/4")	25A (1")	32A (1-1/4")	38A (1-1/2")	50A (2")
EHD	15	19	25	30	37	48	62

Fittings

- WARDFLEX® male and female mechanical joints, couplings, adapter nuts, and some tees are made from C360 free machining brass or equivalent.
- WARDFLEX® floor flanges, manifolds and some tees are made from ASTM A197 compliant malleable iron.

Striker Plates

- WARDDFLEX® striker plates are made of case hardened steel and conform to the requirements of ANSI LC-1.

For additional on WARDFLEX® accessories, sizing, or installation practices refer to the latest versions of the WARDFLEX® Design and Installation Guide available for free download @ www.WARDFLEX.com.