

Overview and Specifications

ComfoFlex



Product Information

Benefits

- Reduced total installed cost—fast, economical installation.
- Material will not support mold or mildew growth.
- Shorter length help reduce waste—easily cut to exact length, or to splice together at the job.
- Underwriters Laboratories (UL) listed as Class 1 air duct, Standard 181.
- All components are self-extinguishing and will not support flame.
- Complies with NFPA Standards 90A and 90B and most local, state and federal standards or codes.
- Maintenance free under normal conditions— resistant to rips and puncture.
- Strict quality control over all raw materials and completed ducts.
- Suitable for all commercial applications where noninsulated “connector” rated products are not allowed.
- Will not collapse at recommended operating pressure.
- Assists absorbing system vibration transmitted through ductwork.
- Packaged compactly for efficient transporting, storing and handling

Construction and Materials:

The supporting helix of coated spring steel wire is permanently bonded to a coated woven fiberglass cover. Coated spring steel wire helix Special coating prevents corrosion. Cover is coated woven fiberglass.

ComfoFlex non-insulated flexible air duct is designed for use in all balanced ventilation Systems. It can be used as either supply or returns sections manifold plate to the diffusion valve. ComfoFlex PLUS air duct provide economical means for handling misalignment between system components and ducting around obstacles where fabricated ducts and fitted ducts are difficult and costly to install. This duct is equally suitable for new jobs as well as in retrofit applications. Compliance with NFPA Standards lets you install lengths longer than the limitations applying to air connectors. ComfoFlex PLUS air ducts offer further more economy of installed cost.

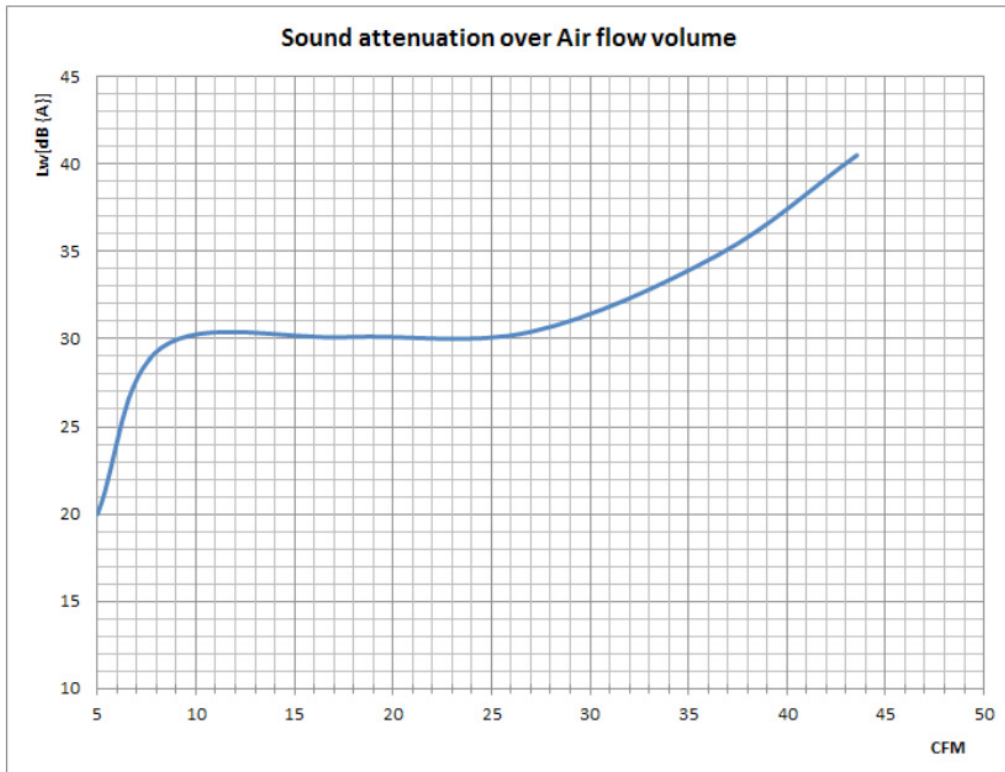
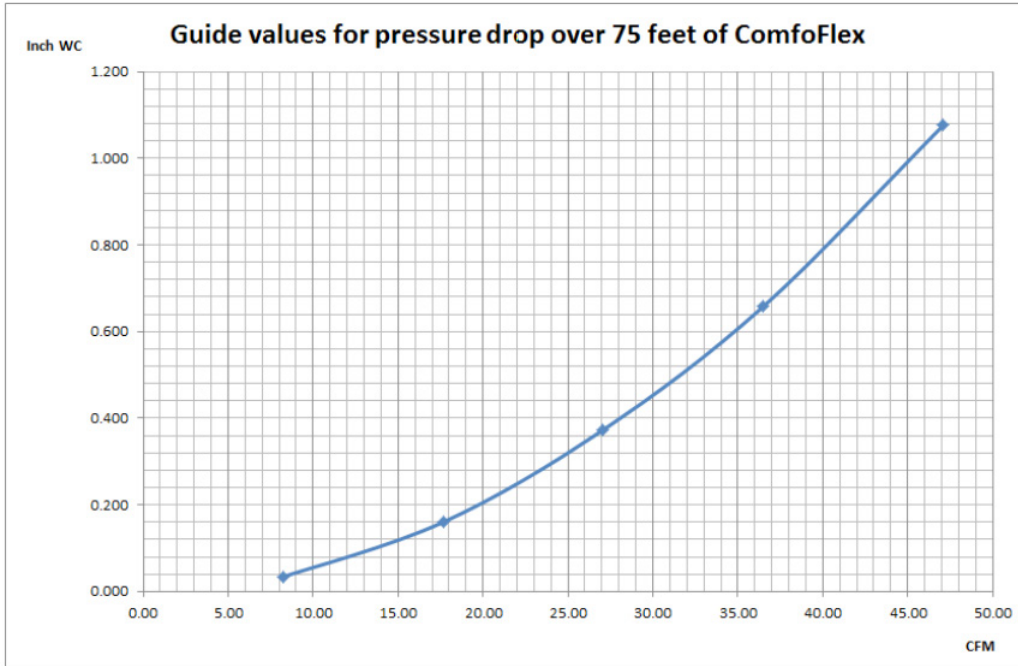
Specifications

APPLICATIONS and ENGINEERING DATA:

Nominal inside diameter (inches):	3	
Length (feet):	50	
Inside bend radius (inches):	3	
Operating pressure (inches water column):	Positive = 16 inches	Negative = 1 inch
Maximum leakage (cubic ft./min./linear ft./in.diameter) At 16 inch water column:	0.015	
Internal operating temperature range (°F):	Minimum = 0	Maximum = 250
Velocity (feet per minute):	6000	
Surface burning characteristics:	Max. flame spread = 25	Max. smoke developed = 50
Oxygen index ratings:	Woven and coated glass cloth fabric = 35.60	

Technical specifications

Inside diameter[“]	3.0
Weight per running length [lb/ft]	0.2
Running length per box [ft]	50
Weight per Box [lb]	10
Box Dimentions length x deepth x height [Inch]	38 x 3 x 3



CERTIFICATE OF COMPLIANCE



Thermaflex Division

Thermaflex S-TL Non-Insulated

Restrictions:

1031-420

Certificate Number

06/05/2007 - 01/28/2017

Certificate Period

Certified

Status

UL 2818 -2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

Building products and Interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V.1.1-2010 using the applicable exposure scenario(s).



Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.22	mg/m ³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Particle Matter less than 10 µm ^(C)	-	20	µg/m ³
1-Methyl-2-pyrrolidinone ^(D)	872-50-4	160	µg/m ³
Individual VOCs ^(E)	-	1/2 CREL or 1/100th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.
- (D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day
- (E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.1 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



Environment