Ventilation tube

Zehnder ComfoFlex

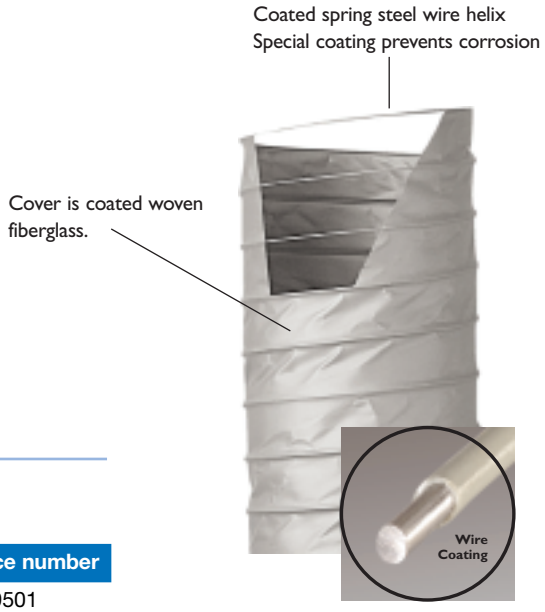
Benefits

- Reduced total installed cost—fast, economical installation.
- Material will not support mold or mildew growth.
- Long lengths help reduce waste—easily cut to exact lengths, or spliced 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—highly resistant to rust and corrosion.
- 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.

GreenGuard Certified for Superior Indoor Air Quality

Construction and Materials:

The supporting helix of coated spring steel wire is permanently bonded to a coated woven fiberglass cover.



Article numbers

Product	Reference number
ComfoFlex 210, 3 x 70' sectionss	9501

ComfoFlex non-insulated flexible air duct is designed for use in all balanced ventilation Systems. It is used in either supply or return sections from the manifold plate to the diffusion valves. ComfoFlex air duct provides economical means for handling misalignment between system components and ducting around obstacles where fabricated and fitted ducts are difficult and costly to install. This duct is equally suitable for new jobs or retrofit work. Compliance with NFPA Standards lets you install lengths longer than the limitation applying to connectors. ComfoFlex air duct offers further economy of installed cost, for example, as a return duct within conditioned spaces or in any zone where the function of insulated duct is not required.

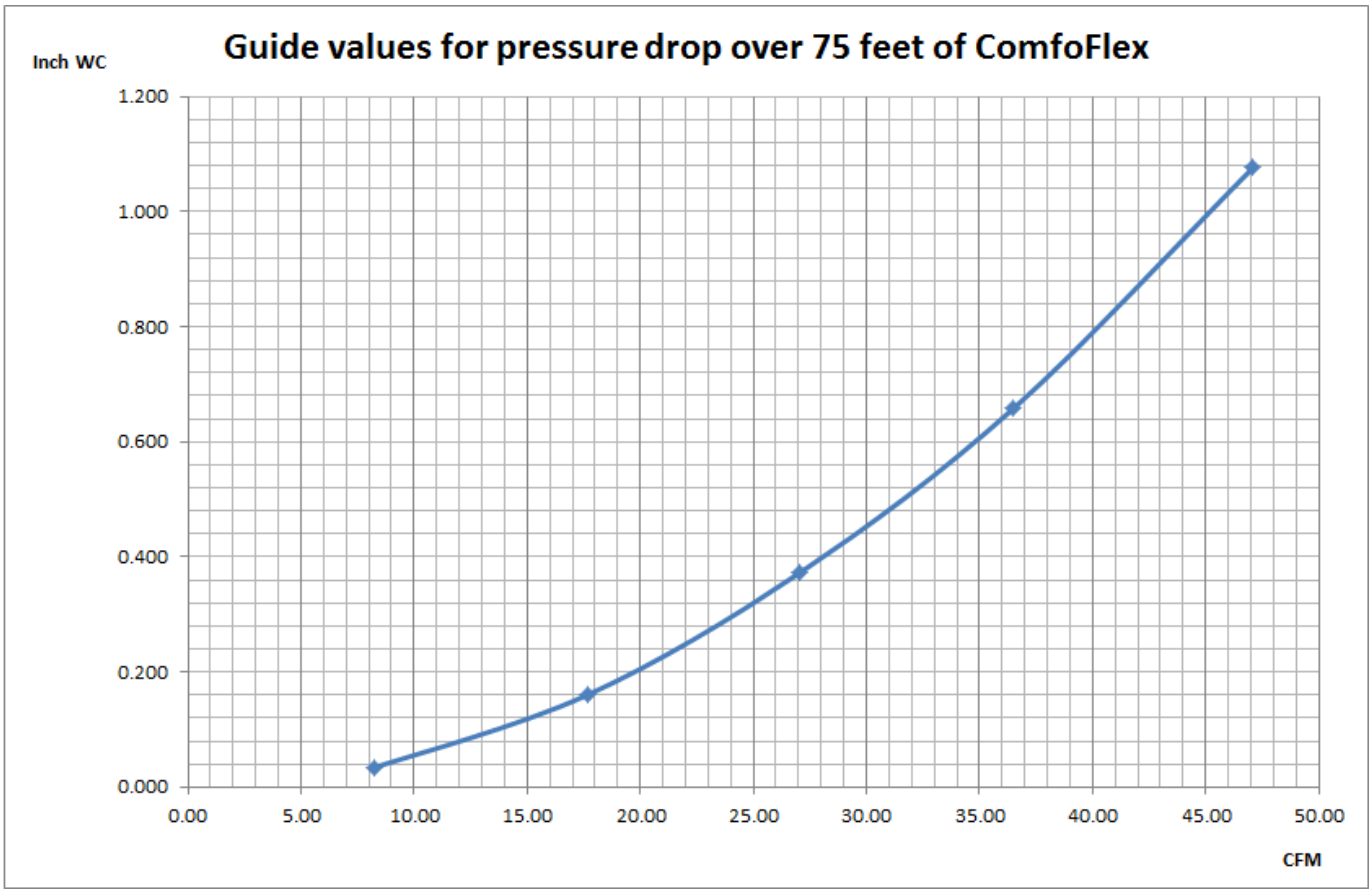
APPLICATIONS and ENGINEERING DATA:

Nominal inside diameter (inches):		3	
Length (feet):		**70**	
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

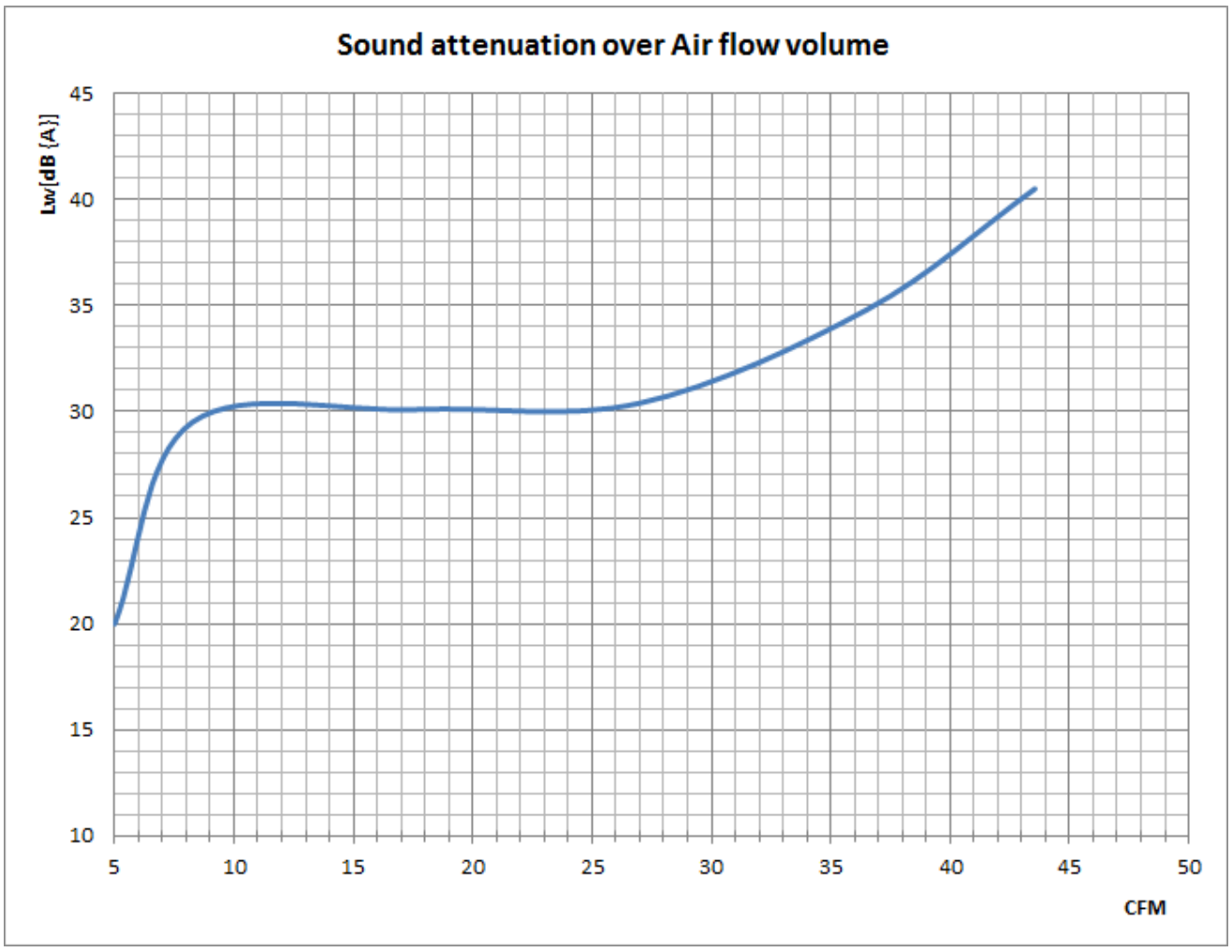
Data	
Inside diameter ["]	3.0
Weight per running length [lb/ft]	0.17
Running length per box [ft]	210
Weight per Box [lb]	38.0
Box Dimentions length x deeph x height [Inch]	22 x 22 x 20

Pressure loss diagram



Note:
Each 90 deg. bend will add ~ 0.02 inch WC Pressure drop

ComfoFlex sound attenuation



Zehnder America, Inc. · 540 Portsmouth Ave. · Greenland, NH 03840 · USA
T +1 603 422 6700 · Toll Free: 888 778 6701 · F +1 603 422 9611
info@zehnderamerica.com · www.zehnderamerica.com