

Overview and Specifications

Zehnder ComfoFlex Duct



Product Information

ComfoFlex non-insulated flexible air duct is designed for use in all balanced ventilation systems. It can be used as either supply or returns for distributed home runs between the manifold plate and the room register/valve assembly. ComfoFlex air duct provides an economical means for handling misalignment between system components and ducting around obstacles where rigid 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.

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 spring steel helix is coated to prevent corrosion and is permanently bonded to a woven fiberglass cover coated for airtightness, hygiene and durability.

Zehnder ComfoFlex is certified GreenGuard Gold for indoor air quality.

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 Dimensions length x depth x height [Inch]	48 x 5 x 5

