

BRINK UL FLEX DUCT



Non-insulated flexible 3" duct designed for Brink Ventilation systems

ADVANTAGES

- Underwriters Laboratories listed as Class 1 air duct, UL Standard 181 and cUL S110.
- Fast, economical installation.
- Suitable for bathroom exhaust ventilation, as supply ducts etc.
- Material will not support mold or mildew growth.
- 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.
- Will not balloon or collapse at recommended operating pressure.
- Assists absorbing system vibration transmitted through ductwork.
- Fits in stud cavities and ceiling cavities for a complete home-run ventilation system.
- Strong flexible duct made from a heavy fiberglass cloth fabric which is bonded to a corrosion resistant spring steel wire helix.



Coated spring steel wire helix
Special coating prevents corrosion



Cover is coated woven fiberglass.

Wire Coating



475 High Performance Building Supply

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TECHNICAL SPECS	
Material	Coated woven fiberglass cover Bonded to coated spring steel wire
Nominal Inside Diameter (inches)	3
Length (feet)	50
Inside Bending Radius (inches)	3
Weight	0.17 lbs/lft - 10 lbs per 50 ft box
Operating Pressure (inches water column)	Positive: 16 Inches Negative: 1 inch
Maximum Leakage (cubic ft/min/linear ft/in diameter) at 16" water column	0.015
Internal Operating Temperature Range (F)	Minimum: -20 Maximum: 250
Velocity (ft/minute)	6000
Surface Burning Characteristics	Max Flame Spread: <25 Max Smoke Developed: <50
Oxygen Index Rating	Woven and Coated Glass Cloth Fabric: 35.60

GENERAL CONDITIONS
<p>Non-insulated flexible air duct is designed for use in Brink heat recovery ventilation systems. To be used for supply or return ducting from the manifold plate to register boxes. Flexible ducting can be routed between system components, including around obstacles and through joist etc (as approved by structural engineer). Suitable for new jobs or retrofits.</p> <p>Compliance with NFPA Standards/UL 181 allows projects to install lengths longer than the limitations applying to air connectors as per IBC/IRC.</p> <p>Ducts can be extended by threading ducts together and sealing overlap joint with UL listed tape.</p> <p>Avoid pinching/restrictions that reduce 3" diameter. Do not crush, mishandle when pulling etc. Repair damages with UL listed tape or replace section with undamaged duct. When properly installed can be used for volumes between 0 and 30 CFM, this is dependant on radius of bends, number of bends and other elements increasing pressure inside duct.</p>

