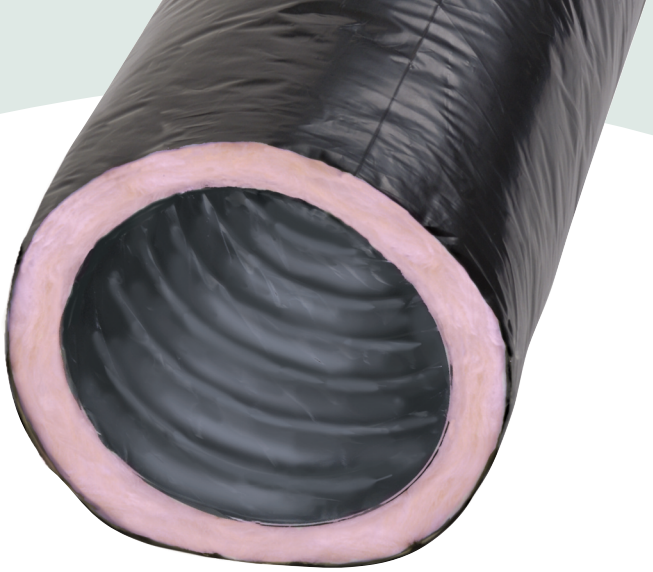
Thermaflex®

G-KM
FLEXIBLE AIR DUCT



G-KM Features and Benefits:

- Underwriters Laboratories listed, and complies with NFPA Standards 90A and 90B.
- Acoustically rated resilient calendered film core assures quiet performance.
- Core material will not support mold and mildew growth.
- Highly resistant to rust and corrosion.
- Fully lined for efficient air delivery.
- Factory applied thermal insulation provides an energy efficient duct that results in lower utility bills.
- Large diameter, heavy, spring steel wire helix assures dimensional stability, resists mechanical abuse and provides more efficient air delivery particularly in tight radius bends.
- Uniquely constructed core will not unravel when cut.
- All components of G-KM are self-extinguishing and will not support flame (see oxygen index figures under application and engineering data).
- "Outward Cast" of heavy spring steel helix keeps duct core from shrinking up inside insulation and jacket, resulting in less waste.
- Resilient calendered film core material will stretch over fittings providing a "snug" fit and reducing labor costs associated with a poor fit.
- Resilient calendered film core will not "blow out" and eliminates costly call-backs.
- Labor savings and reduced waste result in lower installed costs.
- Quality G-KM installations produce referrals that increase volume and profits.
- Available through broad national distribution.
- Meets California Department of Health Standards - OSHPD.
- GreenGuard Certified for children and schools.

CHPS COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS MEMBER

GreenGuard Certified for Superior Indoor Air Quality

UL GREENGUARD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

APPLICATIONS:

Thermaflex® G-KM air duct is a thermally insulated, fully lined, flexible air duct designed for use in low to medium pressure cooling and heating systems. It is used in either supply or return sections: for branch ducts and branch connections to or between mixing units, induction units, control or terminal units and diffusion devices, including light troffers. It provides economical means for handling misalignment between systems components and ducting around obstacles where fabricated and fitted ducts are difficult and costly to install. It is equally suitable for new jobs or refit work and is especially useful when making systems extensions or for changing conditioned zones, now or in the future. Compliance with NFPA Standards lets you install lengths longer than the limitation applying to connectors. It is a highly efficient part of the total duct system because the smooth liner, the ample insulation and tough vapor barrier provide good air flow, thermal insulation and a double air seal. The heavy spring steel wire helix assures dimensional stability and more efficient air delivery particularly in tight radius bends.

NADCA The HVAC Inspection, Maintenance and Restoration Association

EcoTouch® Insulation

Owens Corning® INNOVATIONS FOR LIVING™

HARDI HEATING, AIRCONDITIONING & REFRIGERATION DISTRIBUTORS INTERNATIONAL

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G-KM

Insulated Flexible Air Duct for
Low and Medium Pressure Systems

APPLICATIONS and ENGINEERING DATA:

Nominal Inside Diameter (inches):	3	4	5	6	7	8	9	10	12	14	16	18	20
Length (feet):	25	25	25	25	25	25	25	25	25	25	25	25	25
Inside Bend Radius (inches):	3	4	5	6	7	8	9	10	12	14	16	18	20
Operating Pressure (inches water column):	Positive = 6 inches (3-16 in. ID) 4 inches (18-20 in. ID)												
	Negative = 1 inch (4-12 in. ID) 1/2 inch (14-20 in. ID)												
Operating Temperature Range (°F):	Minimum = -20 Maximum = 250												
Velocity (feet per minute):	5000												
R-Value:	4.2, 8.0 per ASTM C-518												
Surface Burning Characteristics:	Max. Flame Spread = 25							Max. Smoke Developed = 50					
Vapor Transmission Rating (U.S. Perm):	0.1												
Oxygen Index Ratings:	Core = 31.30							Polyethylene Jacket = 23.32					

Construction and Materials:

Resilient calendered film duct inner liner is permanently bonded to a coated spring steel wire helix, also supporting fiber glass scrim and a blanket of fiberglass insulation. Vapor barrier is an outer jacket of polyethylene.



Suggested Specification:

Flexible air duct for connections between _____ and _____ shall be Thermaflex® G-KM air duct Listed by Underwriters Laboratories, Inc., under UL Standard 181 as a Class 1 flexible air duct and complying with NFPA Standards 90A and 90B. Duct shall be factory made and composed of: a resilient calendered film liner duct permanently bonded to a coated spring steel wire helix supporting a fiberglass scrim and fiberglass insulating blanket. Low permeability outer vapor barrier shall complete the assembly.

10 Year Warranty:

Thermaflex warrants that all insulated and non-insulated products will be free from defects in materials and factory workmanship for a period of ten years from the date of manufacture. This warranty covers the flexible duct, materials and labor. This warranty applies only to ducts properly installed in accordance to Thermaflex written installation instructions and under conditions specified in published performance data. Thermaflex shall not be liable to buyer or any third party for any special, secondary, incidental or consequential damages however arising.

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