

Over 65 Years of Flexible Duct Experience

Since 1953, Thermaflex has been the premier brand of flexible ductwork for HVAC applications. We offer the most comprehensive product line of flexible duct products, ideal for offices, schools, hospitals, industrial and other commercial installations.

The Best Warranty in the Business

Thermaflex offers a full 10 year warranty—the strongest in the business—on its Thermaflex Pro Series products.

Our 10 Year Pro Warranty ensures that all Thermaflex insulated and non-insulated products will be free from defects in material and factory workmanship for a period of 10 years from the date of manufacture. During this 10 year period, Thermaflex will cover all duct costs, material costs, and any reasonable labor costs provided the flexible duct was properly installed in accordance with our written instructions. (Ducts exposed to direct or indirect sunlight are excluded from this warranty.)



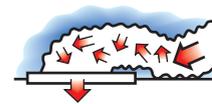
When you choose Thermaflex, you're backed by a company with more than a half century of experience. No other flexible duct manufacturer can match our warranty protection. No one. You get ten full years because Thermaflex is built stronger to last longer. Can you afford anything less?



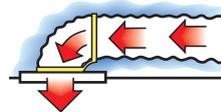
Improve Air Flow with the FlexFlow Elbow™



The FlexFlow Elbow™ installs in seconds over the flexible ductwork jacket, creating the perfect 90° elbow for maximum airflow and energy efficiency. It's a fraction of the cost of a galvanized elbow, and it prevents sagging that can restrict air flow.



Restricted Air Flow



With FlexFlow Elbow



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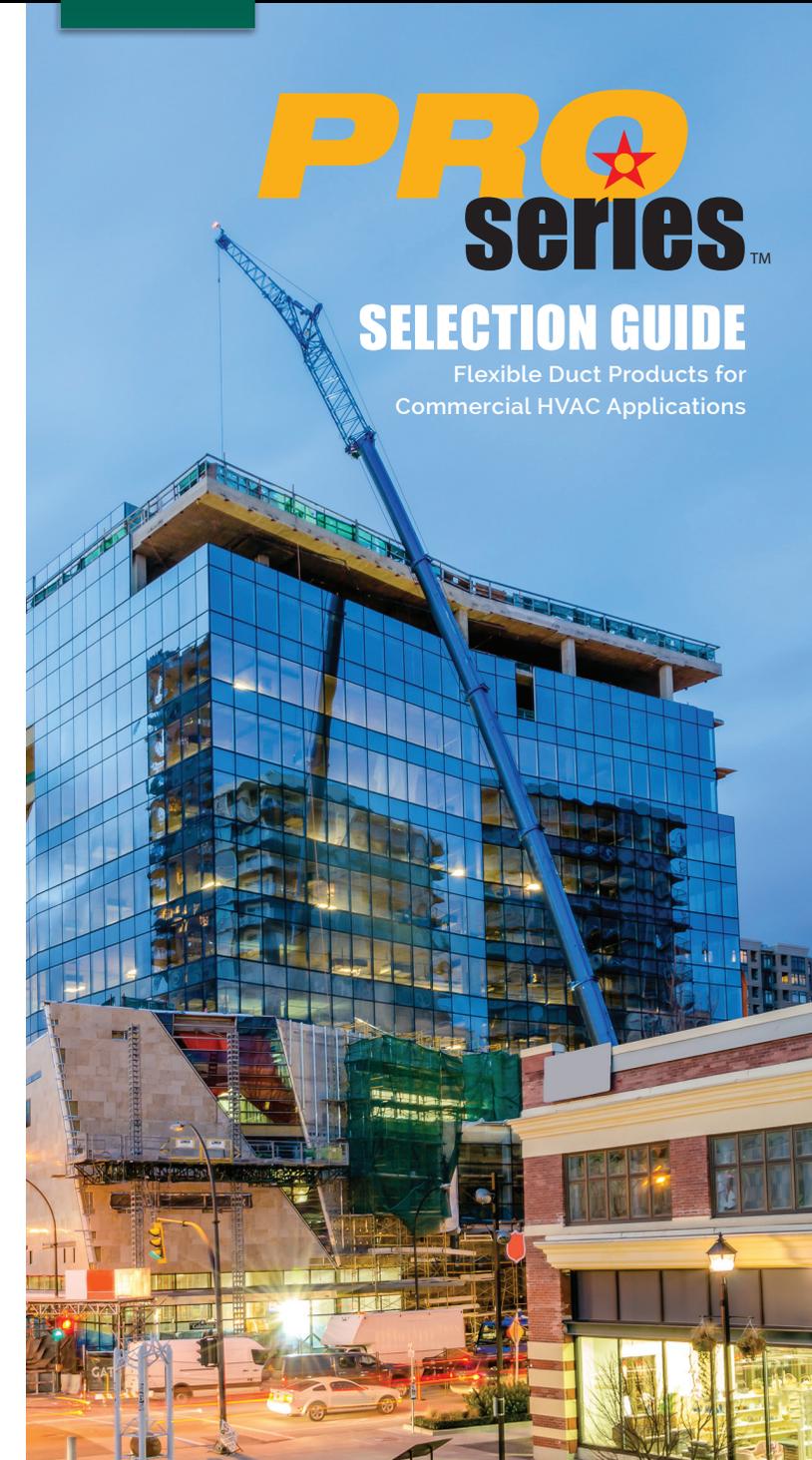


The #1 Commercial Flexible Duct in the World.

PRO series™

SELECTION GUIDE

Flexible Duct Products for Commercial HVAC Applications



The Inside Story On Thermaflex® Quality



1 Wire that Won't Corrode or Weaken.

Soft wire is cheaper than hard wire, and it collapses under impact, weight, or external strain. When wire is too thin, the helix is too weak to support itself. Ensure the wire diameter is right for the job; don't be misled by the appearance of a "tight" helix. If the wire is too soft or thin, close spacing alone won't make it a high performance flexible duct. In addition to diameter, also look for "coated" wire. Non-coated wire can corrode and ultimately collapse. Thermaflex® wire is 20% stronger than used in conventional flexible duct. We use a vinyl-coated, carbon steel wire that ranges from .041 to .072 gauge thick. The special coating prevents corrosion.

2 Core Materials that Are Strong and Flame Resistant. New IAQ Advantage.

Polyester film is the least expensive core material, but it can combust and it makes a "paper" noise that can be distracting.

Chlorinated polyethylene (CPE) provides superior acoustical properties and will not support combustion. The material self-extinguishes when flame is removed.

Woven fiberglass impregnated with vinyl is the ultimate choice for strength, high performance, and durability. It will not burn and will only melt at the melting point of fiberglass. Our cores are solvent-welded to the wire helix for maximum strength and durability.

3 High Performance Insulation. New IAQ Advantage.

Thickness is the key to insulation performance. The thicker the fiberglass, the higher its resistance to heat transfer. When in doubt, measure. Some claim that density is a way to measure insulation value, and you may hear about "R," "C," "K," and "U" factors. But thickness is still the critical determinant for actual thermal resistance, so always measure the insulation. Thermaflex provides certified R-values of 4.2, 6.0 and 8.0. And remember our exclusive advantage. Thermaflex insulation will not support mold and bacterial growth. Made with Owens Corning™ EcoTouch® formaldehyde-free Insulation. Made with 99% natural materials and highest recycled content. Also, it is the only fiberglass insulation listed in the USDA BioPreferred Catalog.

4 Vapor Barriers that Are Proven Tough.

Metalized polyester film (MPF) is unquestionably the best barrier material. Make sure the MPF you specify has bi-directional reinforcement for maximum toughness and tear resistance.

Polyethylene film has good barrier properties and is less expensive than MPF; it cannot match MPF in resistance to punctures or tearing. Thermaflex gives you both options in vapor barriers.



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Thermaflex M-KC

Certified UL181, CUL S110 and NFPA 90A-90B Fire Codes for US and Canada

Diameter: 4-16 inches ID
Pressure Rating: (WG)
Positive: 16 inches (4"-10" ID)
 10 inches (12"-16" ID)
Negative: 2 inches (4"-16" ID)
Velocity: 6000 FPM
Temp. Range: -20°F to 250°F continued
R-Value: R-4.2, R-6.0



Top quality, high pressure flexible duct for use in low to high pressure heating and cooling systems. New and improved bi-directional reinforced metalized vapor barrier will not unravel. Extremely strong, woven fiberglass fabric core with a flame resistant coating permanently bonded to a coated spring steel wire helix which supports a thick blanket of insulation and provides a double air seal.

THERMAFLEX M-KE

Certified UL181, CUL S110 and NFPA 90A-90B Fire Codes for US and Canada

Diameter: 4-20 inches ID
Pressure Rating: (WG)
Positive: 10 inches (4"-12" ID)
 6 inches (14"-16" ID)
 4 inches (18"-20" ID)
Negative: 1 inch (4"-12" ID)
 ½ inch (14"-20" ID)
Velocity: 5000 FPM
Temp. Range: -20°F to 200°F continued
 -20°F to 250°F intermittent
R-Value: R-4.2, R-6.0, R-8.0



Highly efficient, thermally insulated flexible duct for use in low and medium pressure heating and cooling systems. New and improved bi-directional reinforced metalized vapor barrier will not unravel. Acoustically rated, self-extinguishing chlorinated polyethylene (CPE) core easily expands over fittings. Core is permanently bonded to a coated spring steel wire helix that supports an ample blanket of fiberglass insulation, providing a double air seal.

THERMAFLEX G-KM

Certified UL181, CUL S110 and NFPA 90A-90B Fire Codes for US and Canada

Diameter: 3-20 inches ID
Pressure Rating: (WG)
Positive: 6 inches (3"-16" ID)
 4 inches (18"-20" ID)
Negative: 1 inch (4"-12" ID)
 ½ inch (14"-20" ID)
Velocity: 5000 FPM
Temp. Range: -20°F to 200°F continued
 -20°F to 250°F intermittent
R-Value: R-4.2, R-8.0



Highly efficient, thermally insulated flexible duct for use in low and medium pressure heating and cooling systems. Acoustically rated self-extinguishing CPE core easily expands over fittings. Core is permanently bonded to a coated spring steel wire helix that supports an ample blanket of fiberglass insulation over a fiberglass scrim and a tough polyethylene vapor barrier provides even airflow and a double air seal.

PHD Flexible Air Duct

Certified UL181 and NFPA 90A-90B Fire Codes for the US

Diameter: 4-12 inches ID
Pressure Rating: (WG)
Positive: 10 inches (4"-12" ID)
Negative: ½ inch (4"-12" ID)
Velocity: 5000 FPM
Temperature Range: -20°F to 250°F
R-Value: R-8.0



Patent pending Thermaflex PHD flexible air duct is energy efficient, environmentally friendly and cost effective. Made with 100% recyclable inner core and vapor barrier, PHD is a great choice for LEED projects and applications where sustainability is key. The non-metallic construction of this versatile duct also makes it ideal for MRI and clean rooms.

THERMAFLEX S-LP-10

Certified UL181, CUL S110 and NFPA 90A-90B Fire Codes for US and Canada

Diameter: 3-14 inches ID
Pressure Rating: (WG)
Positive: 10 inches (3"-14" ID)
Negative: 1 inch (3"-14" ID)
Velocity: 5000 FPM
Temperature Range: -20°F to 250°F

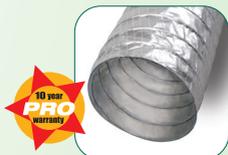


Non-insulated air connector with extremely strong woven fiberglass fabric with flame retardant coating, permanently bonded to a corrosion resistant coated spring steel wire helix. For low and medium pressure heating and cooling systems. A superior alternative in applications where insulated duct is not required, or cannot be used.

THERMAFLEX S-LP-10

Certified UL181, CUL S110 and NFPA 90A-90B Fire Codes for US and Canada

Diameter: 2-14 inches ID
Pressure Rating: (WG)
Positive: 10 inches (2"-14" ID)
Negative: 1 inch (2"-14" ID)
Velocity: 5000 FPM
Temperature Range: -20°F to 250°F



Non-insulated air connector with a reinforced metalized film laminate jacket, permanently bonded to a corrosion resistant coated spring steel wire helix. An economical alternative where insulated duct is not required.

THERMAFLEX S-TL

Certified UL181, CUL S110 and NFPA 90A-90B Fire Codes for US and Canada

Diameter: 2-20 inches ID
Pressure Rating: (WG)
Positive: 16 inches (2"-10" ID)
 10 inches (12"-20" ID)
Negative: 1 inch (2"-20" ID)
Velocity: 6000 FPM
Temperature Range: -20°F to 250°F



Non-insulated UL181 Class 1 flexible air duct, extremely strong with heavy fiberglass cloth fabric permanently bonded to a corrosion resistant spring steel wire helix. For low to high pressure heating and cooling systems. A superior alternative in applications where insulated duct is not required or cannot be used, e.g., clean room applications. Unlike connector-rated products, S-TL is not limited to length of run.

Make sure your flexible duct is certified by UL and the Air Duct Council (ADC).

All Thermaflex duct is UL and ADC certified. Thermaflex complies with the standards of the National Fire Protection Association NFPA No. 90A and 90B.