

# TECHNICAL DATA

## AIREFLEX

### FLEXIBLE AIR DUCT



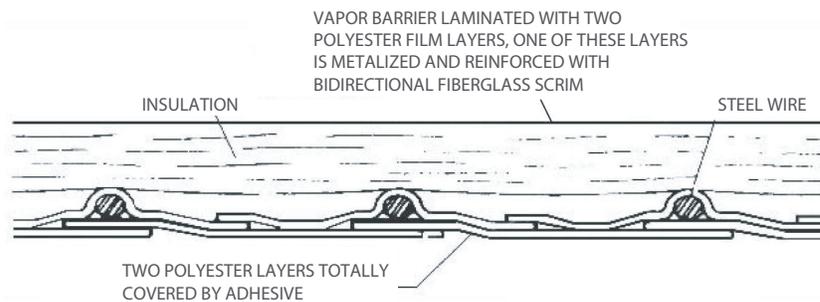
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#### DESCRIPTION

AireFlex is a thermally insulated, fully lined, flexible air duct designed for indoor use as a supply and return air duct in residential and commercial low-to-medium pressure cooling and heating HVAC systems.

#### CONSTRUCTION AND MATERIALS

Inner core is made with a strong and resistant steel wire, laminated with polyester and covered by a thick layer of fiberglass insulates the core. This assembly is covered with a metalized polyester vapor barrier.



#### KEY FEATURES

- **Thermal Insulation:** AireFlex features high-quality thermal insulation to minimize heat loss or gain, ensuring efficient temperature control and energy savings. Available in 4.2, 6.0 and 8.0 R-Values.
- **Fully Lined:** The interior lining of AireFlex reduces friction and enhances airflow, contributing to the overall efficiency of the HVAC system.
- **Air-tight Inner Core:** Ensures energy efficiency and prevents fiberglass erosion into the air stream.
- **Smooth Inner Core:** Provides low friction loss, resulting in low operating costs of HVAC systems.
- **Flexibility:** The duct's flexible nature allows for easy installation in tight spaces, reducing the need for additional fittings and connectors.
- **Low to Medium Pressure Suitability:** AireFlex is optimized for low to medium pressure HVAC systems, making it ideal for a wide range of applications.
- **Durability:** Constructed from durable materials, AireFlex is designed to withstand the rigors of everyday use while maintaining its structural integrity.
- **Tough Reinforced Metallized Jacket:** Tear-resistant and low maintenance.
- **Exterior Facing and Vapor Barrier:** Fiberglass scrim reinforced, metallized polyester film vapor barrier.
- **Noise Reduction:** The lining and insulation contribute to noise reduction, ensuring quieter operation of the HVAC system.
- **Lightweight Compact Bag:** Reduces warehouse and jobsite handling costs.

#### APPLICATIONS

- Residential heating and cooling systems
- Commercial HVAC installations
- Industrial ventilation and air conditioning
- Retrofit projects where space constraints require flexible ducting solutions

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**TECHNICAL SPECIFICATIONS**

CONCEPT	DESCRIPTION
Diameter Range	Available in diameters from 4"–10", 12", 14", and 16", 18" and 20".
Pressure Rating	<ul style="list-style-type: none"> <li>o 4"–16": 10" w.g., Positive</li> <li>o 4"–12": 1" w.g., Negative</li> <li>o 14"–16": ½" w.g., Negative</li> </ul>
R-Value	4.2, 6.0, 8.0
Temperature Range	Suitable for operation in temperatures ranging from -20°F to 250°F.
Length	25 ft.
Materials	Made from high-grade, durable materials ensuring longevity and performance

**INSTALLATION GUIDELINES**

- Ensure the duct is properly supported at regular intervals to prevent sagging.
- Avoid sharp bends or kinks that may restrict airflow.
- Use appropriate connectors and fittings to secure the duct in place.
- Follow all local building codes and regulations during installation.