

PEFLEX 4P / TECHNICAL DATA

THERMALLY INSULATED

DESCRIPTION

Peflex 4P is a certified C-UL S110 (AIR CONNECTOR) flexible air connection composed of two layers of pure aluminum and two layers of polyester encapsulating a galvanized metal wire.

Peflex 4P is corrosion resistant, completely water repellent and withstands high operating pressures. Resistance to high operating pressures is possible because of the unique quadruple lamination process. The large thickness of the walls of the internal duct (0. /0.105 mm) as well as the small distance between the wire helix (1 in, 25.2mm) allows to obtain high operating pressures (15po WC, 3.7 KPa).

Peflex 4P offers a much lower coefficient of internal friction than flexible ducts made of fabrics reducing the energy consumption of the air distribution system.

Peflex 4P offers the best flame resistance in the industry since no combustible material is visible in the internal duct.

The internal and external walls of the Peflex 4P are made of pure non-combustible aluminum. In addition, the adhesive used in the quadruple lamination process contains a retarding agent.

Bending Diameter: 0 times the diameter of the pipe.

Available Diameter: 3" - 4" - 5" - 6" - 7" - 8" - 9" - 10" - 12" - 14" - 16" - 18" - 19" - 20" - 22" - 24"

Standard 25' length in an 18" high box. Also available in 100' length in a dispenser box.

INSTALLATION WARNING – ACOUSTIC FLEXIBLE DUCTS

1. Before installing any flexible ducts, ensure that the operating conditions comply with good engineering practices as recommended by ASHRAE.
2. Analyze the location within the HVAC system: Supply zone, return zone, transition area, etc.
3. Confirm the expected airflow and pressure conditions in the section where the duct will be installed.
4. Ensure the selected duct is suitable for the intended use based on the manufacturer's technical specifications.



Flame spread	< 25
Fume development	< 50
Maximum air velocity	4000 ft/min
Maximum continuous positive static pressure	15 po. H2O (3,7 KPa)
Maximum continuous negative static pressure	2,5 po. H2O (0,5 kPa) for diameter less than 6 inch
Temperature range	-30 °F to 250°F (-30°C à 121°C)
Maximum operating temperature	-30°F to 140°F continuously (to 4 "WC) -30°F to 180°F continuously (to 2 "WC) -30°F to 250°F continuously (to ½"WC)
R coefficient of insulation	R4.2 (1,25" standard thickness) R6 (1,5" standard thickness) R8,4 (2,5" standard thickness) R12 (3" standard thickness)
Flexible duct thickness	0,004 1"/0,105 mm

* Duct cleaning instructions, always refer to NADCA methods and experts

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* The duct is listed C-UL-S110 - US-UL-181 Conduit Flexible Classe 1

*The C-UL-S110 standard includes NFPA-90A and B tests.



