

Thermally Insulated

Description:

Peflex 4PG is an insulated Flexible Air connector consisting of two layers of pure aluminum and of two layers of polyester binding a galvanized wire.

Peflex 4PG is completely water and airtight, corrosion resistant and can withstand high static pressure. Resistance to high operating pressures is possible because of the unique quadruple lamination process. The large thickness of the walls of the internal duct (0.0041" / 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 4PG offers a much lower coefficient of internal friction than flexible ducts made of fabrics reducing the energy consumption of the air distribution system.

Peflex 4PG 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 4PG 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

Insulation: John Manville Flex-Glass certified formaldehyde-free and non-hazardous to health (see technical sheet)

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

Flame spread	< 25
Fume development	< 50
Maximum air velocity	4000 ft/min
Maximum continuous positive static pressure	15 po. H ₂ O (3.7 KPa)
Maximum continuous negative static pressure	2.5 po. H ₂ O (0.62 kPa)
Temperature range	-30°F to 250°F (-30°C to 121°C)
Maximum operating temperature	-30°F to 140°F continuously (at 4" WC) -30°F to 180°F continuously (at 2" WC) -30°F to 250°F continuously (at ½" WC)
R coefficient of insulation	4.2 - 6 - 8.4
Vapor barrier materials	Polyethylene
Flexible duct thickness	0.0041" / 0.105 mm
Vapor barrier thickness	0.003" / 0.085 mm

