

Medical Grade Noise Attenuator

Description:

Peflex 4PPGG is a C-UL S110 (AIR CONNECTOR) certified insulated flexible air connector composed of two layers of pure aluminum and two layers of polyester encapsulating a galvanized wire. The duct of the 4PPGG is perforated on more than 25% of its surface, thus allowing a substantial attenuation of noise transmitted by the air.

Peflex 4PPGG has an additional membrane located between the duct and the insulation to eliminate any contact between the air flow and the insulation.

Peflex 4PPGG 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 (0.0041" / 0.105 mm) as well as the small distance between the wire helix (1 in, 25.2mm) allows to obtain high operating pressures.

Peflex 4PPGG 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 4PPGG are made of pure non-combustible aluminum. In addition, the adhesive used in the quadruple lamination process contains a retarding agent.

Peflex 4PPGG has a much lower internal coefficient of friction than regular flexible ducts made from fabric reducing the energy required by the system to move air.

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 released	< 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	1po. 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" / 0.105mm
Vapor barrier thickness	0.003" / 0.085mm

