

PEFLEX 3PG / TECHNICAL DATA

THERMALLY INSULATED

DESCRIPTION

Peflex 3PG is an insulated flexible air connector composed of one layer of pure aluminum and two layers of polyester encapsulating a galvanized metal wire.

Peflex 3PG is corrosion resistant, completely water repellent and withstands high operating pressures. Resistance to high operating pressures is made possible by the unique tri-lamination process. The important thickness of the internal walls of the duct (0.0037"/0.95mm) as well as the small distance between the wire helix (1 in, 25.2 mm) allows to obtain high operating pressures (12 in. H2O (3 kPa)).

Peflex 3PG offers a much lower coefficient of internal friction than flexible ducts made of fabrics reducing the energy consumption of the air distribution system.

Peflex 3PG offers the best flame resistance in the industry since no combustible material is visible at the outer wall of the duct. The outer wall of the Peflex 3PG is made of non-combustible aluminum. In addition, the adhesive used in the tri-lamination process contains a retardant.

Bending diameter: 0 times the duct diameter

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

sheet)

Available diameter: 3''- 4''- 5''- 6''- 8''- 10''- 12''- 14''- 16''

Standard 25'' length in an 18'' high 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/minute
Maximum continuous positive static pressure	12 in. H2O (3 kPa)
Maximum continuous negative static pressure	1.5 in. H2O (0,37 kPa)
Temperature range	-20 °F to 250°F (-30°C à 121°C)
R coefficient of insulation	4.2 – 6 - 8.4
Vapor barrier materials	Polyethylene
Vapor barrier thickness	0,0033"/0,085 mm