

### 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. H<sub>2</sub>O (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

<b>Flame spread</b>	< 25
<b>Fume development</b>	< 50
<b>Maximum air velocity</b>	4000 ft/min
<b>Maximum continuous positive static pressure</b>	12 in. H <sub>2</sub> O (3 kPa)
<b>Maximum continuous negative static pressure</b>	1.5 in. H <sub>2</sub> O (0.37 kPa)
<b>Temperature range</b>	-20 <sup>o</sup> F to 250 <sup>o</sup> F (-30 <sup>o</sup> C to 121 <sup>o</sup> C)
<b>Duct wall thickness</b>	0.0037" /0.095mm
<b>R coefficient of insulation</b>	4.2 - 6 - 8.4
<b>Vapor barrier material</b>	Polyethylene
<b>Vapor barrier thickness</b>	0.003 3" /0.085mm

