

### Noise Attenuator

#### Description:

**Peflex 3PPA** is a certified C-UL S110 (AIR DUCT) flexible air duct composed of one layer of pure aluminum and two layers of polyester encapsulating a galvanized wire. The internal duct of the 4PPA is perforated on more than 25% of its surface, thus allowing a substantial attenuation of the noise transmitted by the air.

**Peflex 3PPA** 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 (0.0041" /0.105mm) as well as the small distance between the wire helix (1 in, 25.2 mm) allows to obtain high operating pressures.

**Peflex 3PPA** offers the best flame resistance in the industry since no combustible material is visible in the internal duct. The outer wall of the Peflex 4PPA is made of pure non-combustible aluminum. In addition, the adhesive used in the tri-lamination process contains a retardant.

**Peflex 3PPA** has a vapor barrier composed of two layers of metallized polyester laminated with fiberglass for intensive puncture resistance. This type of vapor barrier is mandatory for the designation " flexible air duct " according to the C-UL S110 test standard (AIR DUCT).

**Peflex 3PPA** has a much lower internal coefficient of friction than regular flexible ducts made from fabric reducing the energy required by the system to move the air.

**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"- 7"- 8"- 9"- 10"- 12"- 14"- 16"- 18"- 19"- 20"- 22"- 24"

Standard 25" length in a 48" 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" H <sub>2</sub> O (0.37 kPa)
<b>Operating temperature range</b>	-30°F to 250°F (-30°C to 121°C)
<b>Maximum continuous operating temperature range</b>	-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)
<b>R coefficient of the insulation</b>	4.2 - 6 – 8.4
<b>Vapor barrier material</b>	Metallic polyester
<b>Flexible duct thickness</b>	0.003 7" /0.095mm
<b>Vapor barrier thickness</b>	0.003 7" /0.095mm



This product is listed  
C-UL-S110 – US-UL-181  
Flexible air duct  
Class 1



This product meets the  
standards  
NFPA 90A  
NFPA 90B