

# PEFLEX 4PG / TECHNICAL DATA

## 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. /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''

### 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	15 po. H2O (3,7 KPa)
Maximum continuous negative static pressure	2,5 po. H2O (0,62 kPa)
Temperature range	-30 °F to 250°F (-30°C à 121°C)
Maximum operating temperature	-30°F to 140°F continuously (to 4 ''WC) -30°F to 180°F continuously (to 2 ''WC) -30°F to 250°F continuously (to ½''WC)
R coefficient of insulation	4.2 - 6 8.4
Vapor barrier materials	Polyethylene
Flexible duct thickness	0,004 1''/0,105 mm
Vapor barrier thickness	0,003 7''/0,095 mm