

PEFLEX 2P / TECHNICAL DATA

UNINSULATED

DESCRIPTION

Peflex 2P is an uninsulated flexible air connection composed of a layer of polyester and a layer of polyester encapsulating a galvanized metal wire

Peflex 2P is corrosion resistance and completely water repellent and withstands high operating pressures (10 in. H₂O (2,5 kPa)). The high operating pressure is made possible by the small distance between the wire helix (1.5 in, 25,2 mm) as well as by the size of the duct wall (0.0086 in. (34µm)).

Peflex 2P provides excellent flame resistance as the adhesive and membranes contain retardants

Peflex 2P 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.

Peflex 2P is the perfect solution for economical installation.

Available diameter: 3"- 4"- 5"- 6"- 8"- 10"- 12"- 14"- 16"- 18"

Standard 25' length in a 18" box or 100' length in a dispenser box.



Flame spread	< 25
Fume development	< 50
Maximum air velocity	5000 ft/min
Maximum continuous positive static pressure	10 in. H ₂ O (2,5 kPa)
Maximum continuous negative static pressure	1 in. H ₂ O (0,25 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)
Flexible duct wall thickness	0,0033"/0,085 mm

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.

