

- Non insulated
- Aluminium laminated
- High temperature



Laminated aluminium flexible ducts type ALUFLEX 112

The **ALUFLEX 112** is a fully flexible, light laminate duct with a steel spiral inserted between the different layers of the duct. This flexible duct consists of 3 Aluminium-layers of 15 micron combined with 1 Polyester-layer of 6 micron.

Application

- The **ALUFLEX 112** flexible ducts are used in ventilation, air conditioning, and air handling systems where a high mechanical strength, temperature and fire resistance is required

Composition

- 3 layers of aluminium of 15 μ
- 1 layer of polyester of 6 μ
- Total thickness: 51 micron without glue
- Wire spacing: A steel spiral spring of different thicknesses and a pitch of 25mm ($\varnothing 82$ mm) or 36mm ($\varnothing 102$ -610mm)
- Colour: Aluminium

Specification

- Temperature range: From - 30 °C till + 250 °C
- Air velocity (max): 30 m/s
- Operating pressure: -188 up to + 2500 Pa
- Centerline bend radius: 1 X diameter minimum
- Diameter range: 82 mm - 610 mm
- Fire resistance: Class A2 - s1, d0 according to EN 13501-1
- As the product does not contain PVC no toxic vapours are released should fire occur.
- Produced according EN 13180: Dia Class B, Tightness Class C, Sag < 4°, Crushing strength 13-35kg compressed; 2.5kg uncompressed.

Packaging

- Each standard length of 10 m is compressed in an individual, reinforced cardboard box

Chemical resistance

- Good resistance to many solvents
- Moderate resistance to acid and base

Static properties

- The **ALUFLEX 112** is suitable for applications where static discharges have to be avoided

Restrictions

- The **ALUFLEX 112** ducts are not suitable for transporting air with a high concentration of acid and base
- The **ALUFLEX 112** cannot be used for discharging combustion gases from open fireplaces and oil-fired boilers

Accessories

- Clamps type **MCA**
- Aluminium tape, type **Alutape**

Other available products

- Aluminium flexible type **Aluflex AA3**

Order example

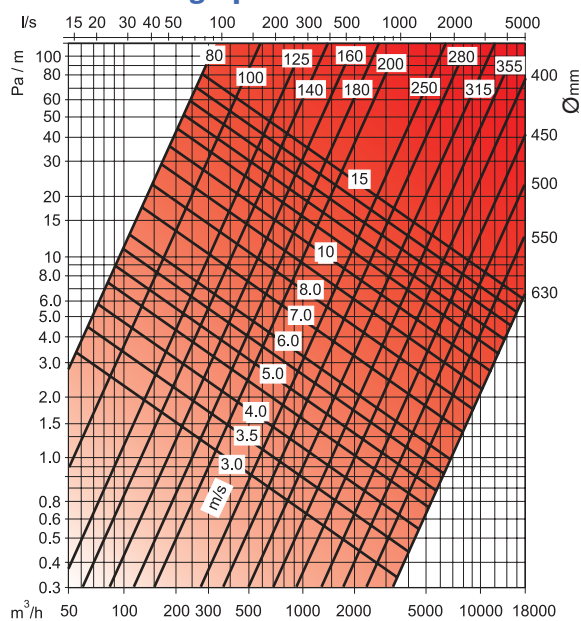
- **Aluflex 112, 254**

Explanation :

Aluflex 112 = Type of Flexible duct

254 = Diameter of flexible duct

Pressure loss graph



Pressure loss in 90° bend

