

- Non insulated
- Aluminium laminated
- Standard



Laminated aluminium flexible ducts type ALUFLEX AA3

The **ALUFLEX AA3** is a fully flexible laminate duct with a steel spiral inserted between the layers of the duct. This flexible duct consists of 3 Aluminium-layers (7 micron), combined with 2 Polyester-layers (12 micron).

Application

- The **ALUFLEX AA3** 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 aluminium layers of 7 micron
- 2 polyester layers of 12 micron
- Total number of layers: 5
- Thickness: 45 micron
- Wire spacing: a steel spiral spring of different thicknesses and a pitch of 25mm (Ø82mm), 36mm (Ø102-508mm)
- Colour: Aluminium

Specification

- Temperature range: from - 30 °C to + 140 °C
- Air velocity (max): 30 m/s
- Operating pressure: -188 up to 2500Pa
- Centerline bend radius: 1x diameter minimum
- Diameter range: 82 mm - 508 mm
- Fire safety: Class B - 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 AA3** is suitable for applications where static discharges have to be avoided

Restrictions

- The **ALUFLEX AA3** ducts are not suitable for transporting air with a high concentration of acid and base
- The **ALUFLEX AA3** 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 112**

Order example

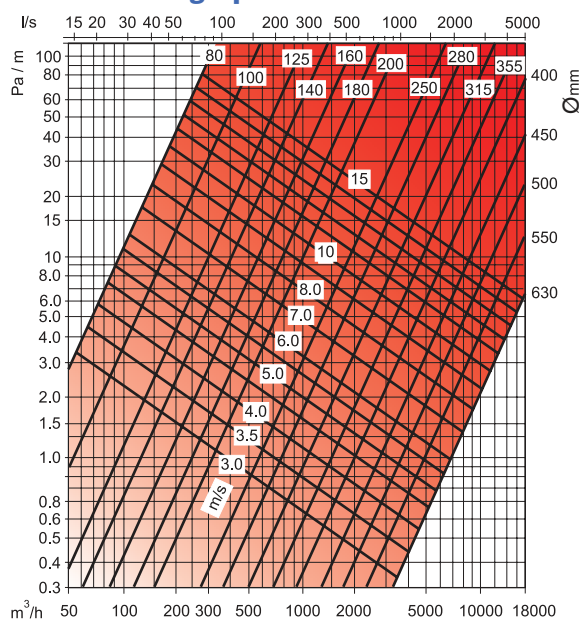
- **Aluflex AA3, 254**

Explanation :

Aluflex AA3 = Type of Flexible duct

254 = Diameter of flexible duct

Pressure loss graph



Pressure loss in 90° bend

