

- 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 40S PREMIUM**

Text for tender

- The connection between the ventilation system and the plenum boxes shall be done with the use of aluminium flexible ducts, approved according to EN 13180. The Aluminium flexible duct consists of 3 Aluminium-layers of 7 micron, combined with 2 Polyester-layers of 12 micron. The diameter shall be adapted to the air flow.
- ATC
- Type **ALUFLEX AA3**

Order example

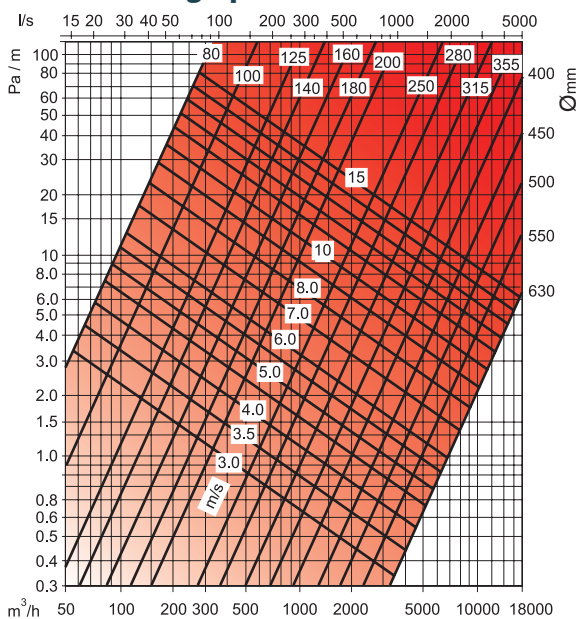
- **Aluflex AA3, 254**

Explanation :

Aluflex AA3 = Type of Flexible duct

254 = Diameter of flexible duct

Pressure loss graph



Pressure loss in 90° bend

