COMBIFLEX N BLACK

- Non insulated
- Aluminium/Polymer
- Standard

Combined laminated flexible ducts type COMBIFLEX N BLACK

The **COMBIFLEX N BLACK** is a fully flexible 4-layer aluminium / polyester laminate duct. The outside is a co-polymer, antistatic layer (standard length 10 m). The aluminium and polyester layers overlap each other entirely. This "sandwich" construction of the layers results in a higher external resistance against sparks.

Application

- The **COMBIFLEX N BLACK** flexible ducts are used in ventilation, air conditioning, and air handling systems with low and moderate air pressure where a high mechanical strength, temperature and fire resistance is required

Composition

- 4-layer: Aluminium 1x layer 7 micron, 1 layer polyester (PET) of 12 micron, 1 layer 12 micron metalized polyester (MPET), 1 layer PVC of 65 micron, wire helix 25 mm (Ø82 mm), 36 mm (Ø102 mm and larger)
- Colour: black

Specification

- Temperature range: From - 30°C till + 140°C
- Air velocity (max): 20 m/s
- Operating pressure (max): -188 to +2500Pa
- Bend radius: 1x Dia minimum
- Pressure loss: see diagram
- Diameter range: 82 mm - 508 mm
- EU - EN 13180 Dia. Class B, Tightness Class C, Sag < 10º, Crushing Strength 13-35 kg compressed, 2-5 kg uncompressed

Packaging

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

Chemical resistence

- Good resistance to many solvents

Restrictions

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

Accessories

- Clamps, type **MCA**
- Textile tape, type **GREYTAPE**

Text for tender

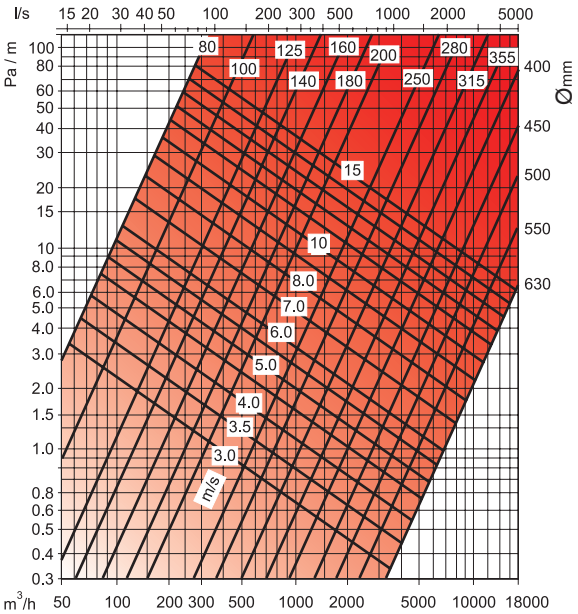
- The extraction of the welding stations shall be done with the use of a polyester flexible duct with aluminium inner core
- ATC type **COMBIFLEX N BLACK**

Order example

- **COMBIFLEX N BLACK, 254**

Explanation :
COMBIFLEX N BLACK = Type of Flexible duct
254 = Diameter of flexible duct

Pressure loss graph



Pressure loss in 90° bend