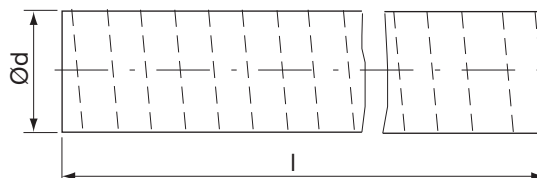


Flexible medium duct

FMD



Dimensions



Description

Multi-layer duct wall reinforced with a spiral wire. The duct wall is thicker than for FLD and FBLD, which means higher durability to temperature and pressure.

Applications

Used in ventilation, air conditioning, and air handling systems where high mechanical strength, temperature, and fire resistance is required.

Classifications

EU - EN 13180 Dia. Class B, Tightness Class C, Sag < 15°, Crushing Strength 13–35 kg compressed, 2–5 kg uncompressed.

EU - B/s1/d0, Report No. MA 39-VFA2004-075.01

French - M0, Report No. LNE N° F080237-CEMATE/2

Advantages

- Easy assembly
- Very small storage and transport volume
- Manufactured from puncture and tear resistant materials. Withstands repeated flexing without damage
- Tested on fire resistance

| Ød nom | O πd m | A $\pi d^2/4$ m ² | l mm | Max. pressure Pa |
|-----------|-------------------|------------------------------------|---------|------------------------|
| 102 | 0,320 | 0,008 | 10000 | +3000 |
| 112 | 0,352 | 0,010 | 10000 | +3000 |
| 127 | 0,157 | 0,013 | 10000 | +3000 |
| 133 | 0,198 | 0,014 | 10000 | +3000 |
| 140 | 0,440 | 0,015 | 10000 | +3000 |
| 152 | 0,478 | 0,018 | 10000 | +3000 |
| 160 | 0,503 | 0,020 | 10000 | +3000 |
| 180 | 0,565 | 0,025 | 10000 | +3000 |
| 203 | 0,638 | 0,032 | 10000 | +3000 |
| 229 | 0,719 | 0,041 | 10000 | +3000 |
| 254 | 0,798 | 0,051 | 10000 | +3000 |
| 280 | 0,880 | 0,062 | 10000 | +3000 |
| 305 | 0,958 | 0,073 | 10000 | +3000 |
| 315 | 0,990 | 0,078 | 10000 | +3000 |
| 356 | 1,12 | 0,100 | 10000 | +3000 |
| 380 | 1,19 | 0,113 | 10000 | +3000 |
| 406 | 1,28 | 0,129 | 10000 | +3000 |
| 457 | 1,44 | 0,164 | 10000 | +3000 |
| 508 | 1,60 | 0,203 | 10000 | +3000 |

Technical data

| | |
|------------------------------|----------------------------|
| Duct material | Aluminium-polyester (AP) |
| Minimum bending radius | 1,0×d |
| Maximum air velocity | 30 m/s |
| Temperature range..... | -30 to +200 °C |
| Working pressure | from -188 to +2500 Pa |
| Delivery length | Compressed to 0,4 or 0,8 m |
| Standard length | 10 m |

Ordering example

