

# FLEXIBLE DUCTING: GRADA-ISOFLEX, GRADA-ALUFLEX EN GRADA-FLEX - FS - FA - FP

**FS**

## Application

Low, middle and high pressure application in ventilation, cooling and air-conditioning applications. Reduction of condense forming and heat losses, strong attenuation.

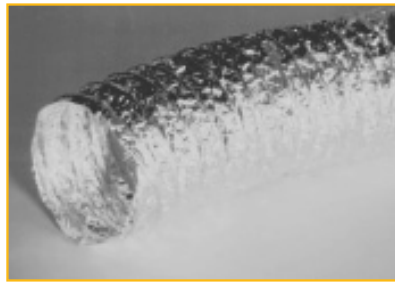
## Technical information

### Characteristics

- temperature: -30°C up to 110°C
- maximum air velocity: 15 m/sec.
- maximum pressure: 1500 Pa
- fire rating: M1
- standard length: 10 meter
- on circular and oval connections

### Construction

- Acoustic insulated flexible ducting, manufactured with an aluminium/polyester inner core continuously perforated and supported by an encapsulated steel wire helix. Insulation out of 25 mm thick glass fibre blanket (16 kg/m<sup>3</sup>) and outer jacket of a strong scuff resistant aluminium - polyester laminate
- Transparent inner liner prevents fibre migration into the airstream
- Available sizes: 102, 127, 160, 203, 254 and 315 mm

**FA**

## Application

Middle and high pressure application in ventilating, cooling and airconditioning applications.

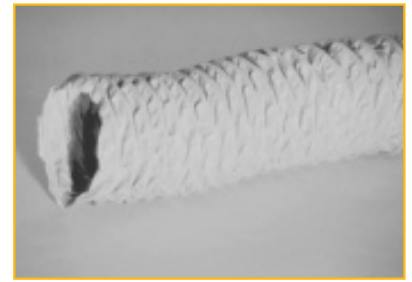
## Technical information

### Characteristics

- temperature: -30°C up to 140°C
- maximum air velocity: 30 m/sec.
- maximum pressure: 2500 Pa
- fire rating: M1
- standard length: 10 meter

### Construction

- Flexible ducting manufactured with an aluminium - polyester inner core, supported by an encapsulated steel wire helix
- Available sizes: 102, 127, 160, 203, 254 and 315 mm

**FP**

## Application

Low, middle and high pressure application in ventilation, cooling and airconditioning applications, also suited for the exhaust of smoke and dust parts.

## Technical information

### Characteristics

- temperature: -20°C up to 110°C
- maximum air velocity: 32 m/sec.
- maximum pressure: 2500 Pa
- fire rating: M1
- standard length: 10 meter

### Construction

- Flexible ducting manufactured with a PVC coating bonded to a tightly woven glass cloth fabric, supported by an encapsulated steel wire helix
- Available sizes: 102, 127, 160, 203, 254 and 315 mm

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## GRADA-ISOFLEX

ATTENUATION OF THE GENERATED NOISE (dB) for L = 1000 mm (straight hose)						
Diameter (mm)	102	127	160	203	254	315
<b>Frequency (Hz)</b>						
125	19,9	21,1	21,6	20,6	20,3	18,5
250	18,7	18,5	18,5	16,8	16,6	14,2
500	17,0	17,3	15,8	15,0	14,8	13,2
1000	15,2	17,6	16,8	15,1	15,1	13,4
2000	14,2	17,2	18,2	15,7	15,9	14,9
4000	17,0	17,4	22,4	21,1	21,2	18,3

ATTENUATION IN THE HOSE (dB) for L = 1000 mm (straight hose)						
Diameter (mm)	102	127	160	203	254	315
<b>Frequency (Hz)</b>						
125	8,8	12,3	16,8	6,7	16,0	11,2
250	19,3	19,6	21,5	14,8	16,1	12,9
500	31,6	20,9	21,7	16,7	15,5	12,3
1000	37,1	24,8	26,6	19,7	15,5	13,8
2000	31,4	28,7	19,4	15,7	13,3	10,9
4000	21,2	16,5	13,5	12,7	10,0	6,8

\* Test results insulated flexible hose, GRADA-ISOFLEX length = 1000 mm