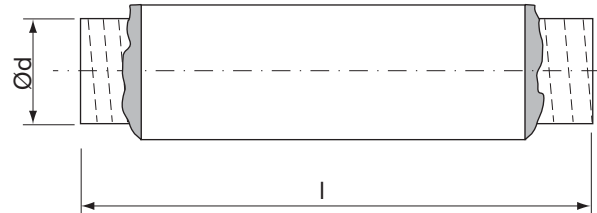


# Flexible insulated medium duct

# FIMD



## Dimensions



## Description

Multi-layer inner duct wall reinforced with a spiral wire. The inner duct wall is covered with a fibre glass insulation. The insulation is covered with an outer jacket.

The insulation reduces the heat gain or loss resulting from a temperature difference between the air flowing in the duct and the surrounding air.

The outer jacket acts as a vapour barrier to prevent condensation to enter into the insulation. condensation can occur on the outside of a duct carrying air at lower temperatures than the surrounding air.

## 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 < 4°, Crushing Strength 13–35 kg compressed, 2–5 kg uncompressed

**French** - M0/M1, Report No. LNE N° F014932-CEMATE/12

## 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

## Ordering example

	<b>FIMD</b>	<b>160</b>	<b>10000</b>	<b>AP</b>	<b>MP</b>
Product					
Dimension Ød					
Length l					
Material					
Type					

Ød nom	O πd m	A πd <sup>2</sup> /4 m <sup>2</sup>	l mm	Max. pressure Pa
82	0,258	0,005	10000	+2500
102	0,320	0,008	10000	+2500
127	0,157	0,013	10000	+2500
133	0,198	0,014	10000	+2500
152	0,478	0,018	10000	+2500
160	0,503	0,020	10000	+2500
180	0,565	0,025	10000	+2500
203	0,638	0,032	10000	+2500
229	0,719	0,041	10000	+2500
254	0,798	0,051	10000	+2500
305	0,958	0,073	10000	+2500
315	0,990	0,078	10000	+2500
356	1,12	0,100	10000	+2500
406	1,28	0,129	10000	+2500
457	1,44	0,164	10000	+2500
508	1,60	0,203	10000	+2500
560	1,76	0,246	10000	+2500

## Technical data

Duct materials:	
inner wall (core) .....	Aluminium-polyester (AP)
insulation .....	Glass wool 25 mm
outer wall (jacket) .....	Micron-Polyester (MP)
Temperature range	
inner wall .....	-30 to +200 °C
outer wall .....	-30 to +140 °C
Maximum air velocity .....	30 m/s
Delivery length .....	Compressed to 1 m
Standard length .....	10 m
Packing .....	Individual box

