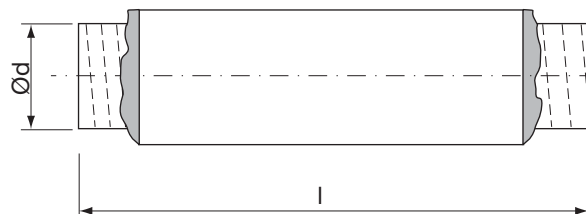


Flexible insulated heavy duct

FIHD



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

	FIHD	160	10000	AP	AP
Product					
Dimension Ød					
Length l					
Material					
Type					

Ød nom	O πd m	A πd ² /4 m ²	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)	Aluminium-polyester (AP)
Temperature range	
inner wall	-30 to +250 °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