



F10 Therm

Flexible hose made of additivated polyolefin resins film (wall thickness 100 micron) and steel wire helix. Thermo-insulating covering in polyester fibre (th. 25mm/16kg/m³). Outer anti-steam protection in additivated polyolefin resin.

Insulation: 25mm / 16kg/m³ - standard
50mm / 16kg/m³ - on request

Thermal resistivity at 20°C **R = 0,58m² K/W (UNI EN 12664:2002)**

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	CURVATURE RADIUS	AIR SPEED	PRESSURE
Black	10 m standard	from 80 to 406 mm	-20°C / +90°C (peak +110°C)	0,8 - 1,5 x Ø	max 20 m/sec	max 200 mmH ₂ O

PRODUCTION DIAMETERS

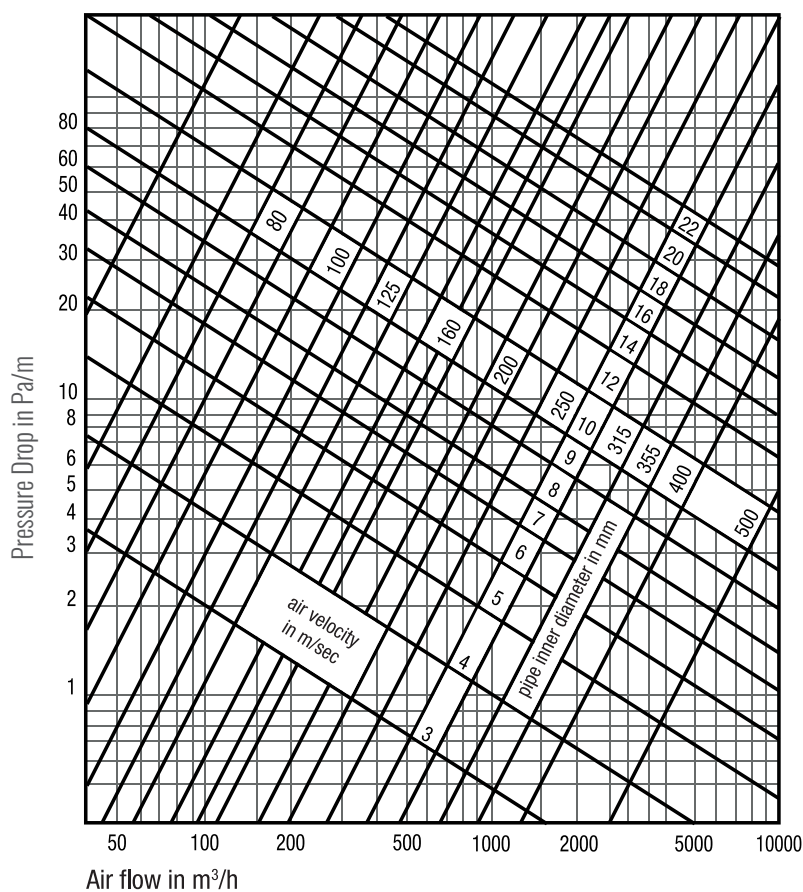
80	102	127	152	160	165*	180	203	254	305	318	356	406
----	-----	-----	-----	-----	------	-----	-----	-----	-----	-----	-----	-----

*Diameters available on request

Diameters other than those indicated are available by prior feasibility check.

PRESSURE DROPS DIAGRAM

(Air temperature 20°C)



PRESSURE DROPS TABLE WITH CALCULATION EXAMPLES

To calculate the flow rates and pressure drops of other diameters, use the beside diagram.

DIAMETER	AIR SPEED 8m/s		AIR SPEED 10m/s	
	FLOW RATE	PRESSURE DROP	FLOW RATE	PRESSURE DROP
[mm]	[m ³ /h]	[Pa/m]	[m ³ /h]	[Pa/m]
80	152	19	190	31
102	250	15	333	24
127	383	12	368	18
160	575	8	773	14
203	900	7	1151	11
254	1445	5	1843	8
318	2278	4	3105	6
356	3058	3	3850	5
406	3845	3	4590	4

CERTIFICATION FOR FIRE REACTION



IT Class 1 (D.M. 26/06/84)
Omologation nr.: RE1205C20D100006

EU Inner tube and vapor barrier:
class B-s1, d0 (EN 13501-1:2009)

Thermal insulation:
class B-s2, d0

FR Inner tube and vapor barrier:
Class M1 NF P 92-507:2004

Thermal insulation:
Class M1 NF P 92-507:2004

GREEN BUILDING

Thanks also to the support of GreenMap, products manufactured by Tecnica srl contribute to obtain the credits of the major international rating systems for sustainable buildings:



LEED

Contributes to credits:
IP, EA, MR



WELL

Contributes to credits:
MATERIALS, COMMUNITY

BREEAM

BREEAM

Contributes to credits:
MAN, ENE, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica srl

APPLICATIONS

								HF
Residential	Flexibility	Easy Pack	Self-extinguishing	Tear Resistant	Calibrated Diameters*	REACH Certified	RoHS Certified	Halogen Free
Compact Version*	Building	Air Conditioning	CMV	Non-magnetic*	Prolonged anti condensation	Temporary air conditioning		*on request