



# F6 Therm

Flexible hose made of additivated polyolefin resins film (wall thickness 60 micron) and steel wire helix.

Thermo-insulating covering in polyester fibre (th. 17 mm/11 kg/m<sup>3</sup>).

Outer anti-steam protection in additivated polyolefin resin.

Insulation: 17mm / 11kg/m<sup>3</sup> - standard  
 25mm / 16kg/m<sup>3</sup> - on request  
 50mm / 16kg/m<sup>3</sup> - on request

Thermal resistivity at 20°C **R = 0,35m<sup>2</sup> K/W (UNI EN 12664:2002)**

## TECHNICAL SPECIFICATIONS AND USAGE LIMIT

COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	CURVATURE RADIUS	AIR SPEED	PRESSURE	THERMAL TRASMITTANCE
Grey	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 <sub>2</sub> O	λ : 0,064 W/mK

## PRODUCTION DIAMETERS

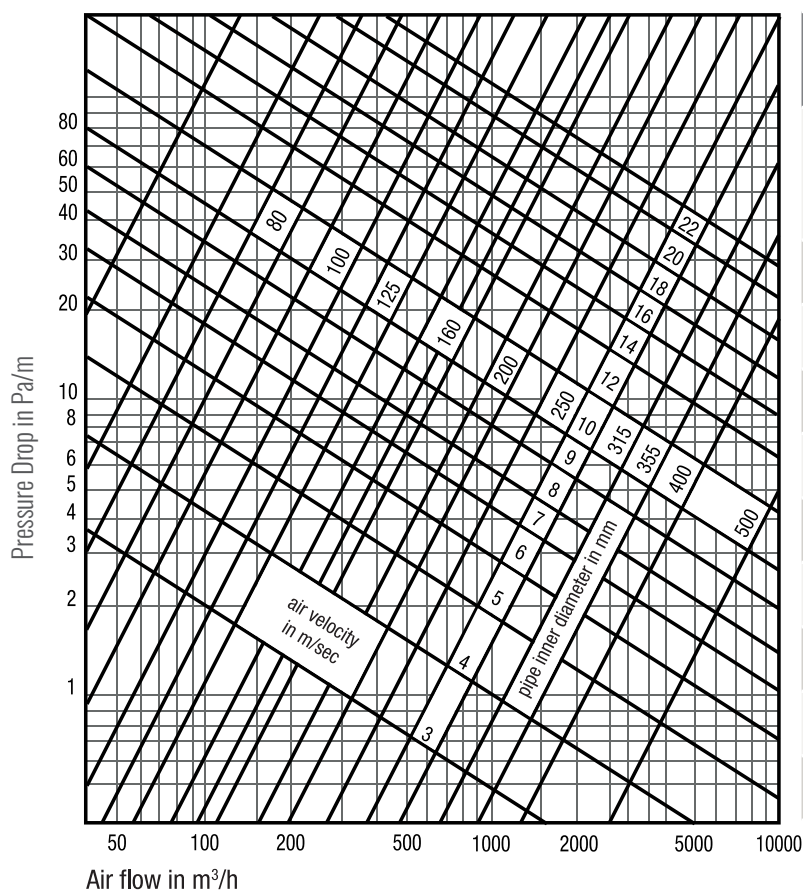
80	102	127	152	160	165*	180	203	254	305	318	356	406
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\*Diameters available on request

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 [mm]	AIR SPEED 8m/s		AIR SPEED 10m/s	
	FLOW RATE [m <sup>3</sup> /h]	PRESSURE DROP [Pa/m]	FLOW RATE [m <sup>3</sup> /h]	PRESSURE DROP [Pa/m]
80	152	19	190	31
102	250	15	333	24
127	383	12	368	18
160	575	8	773	14
203	900	6,5	1151	10,5
254	1445	4,7	1843	7,5
318	2278	3,7	3105	6
356	3058	3	3850	5,2
406	3845	2,7	4590	4,4

## CERTIFICATION FOR FIRE REACTION



IT

CLASS 1 (D.M. 26/06/84)  
Approval number: RO3827C20D100002

## 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

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