



AL-F10

Flexible hose made of AL (aluminium) wall coupled with polyolefin film to ensure a greater mechanical resistance to the aluminium.
Inner steel wire helix.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

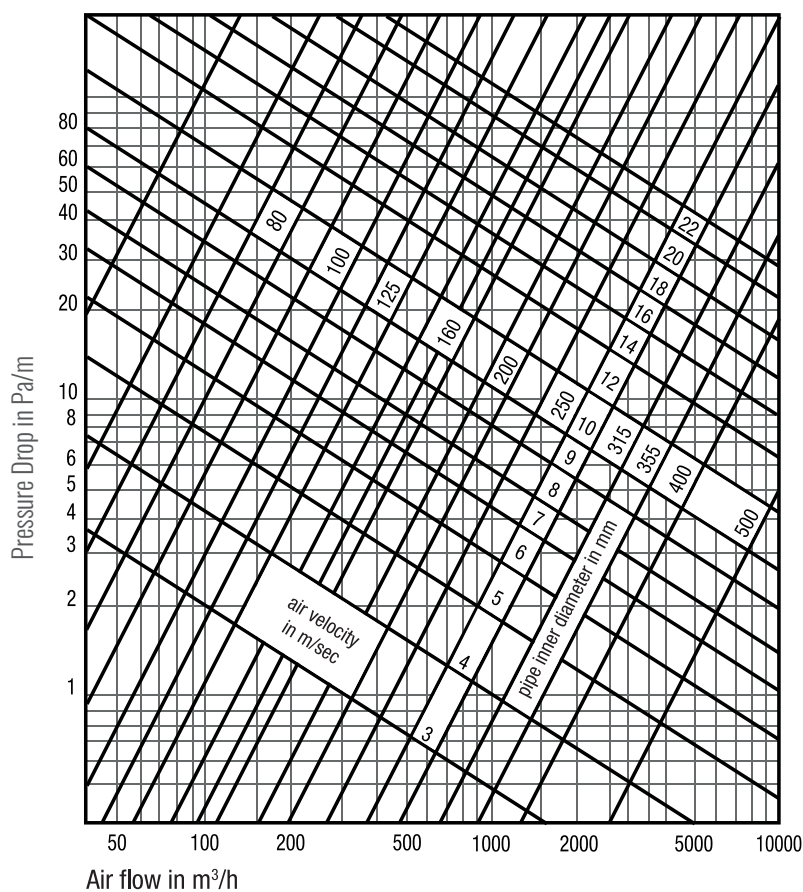
COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	CURVATURE RADIUS	AIR SPEED	PRESSURE
External Black/ Internal aluminium	10 m standard	from 82 to 508 mm	-30°C / +140°C	0,6 x Ø	max 32 m/sec	max 250 mmH ₂ O

PRODUCTION DIAMETERS

82	102	127	152	160	180	203	228*	254	305	318	356	406	457*	508*
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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 ³ /h]	PRESSURE DROP [Pa/m]	FLOW RATE [m ³ /h]	PRESSURE DROP [Pa/m]
82	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
508	5111	2	8223	3

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, WST

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

APPLICATIONS

Residential	Flexibility	Easy Pack	Tear Resistant	Calibrated Diameters*	REACH Certified	RoHS Certified	Halogen Free	Compact Version*
Industry	Building	Air Conditioning	CMV	Non-magnetic*	CMV transp. Means	CMV Mech. Means	Recreational Boats	*on request