



# AL



Flexible hose made of AL/PET/AL (aluminium/polyester/aluminium) wall and steel wire helix.

## TECHNICAL SPECIFICATIONS AND USAGE LIMIT

COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	CURVATURE RADIUS	AIR SPEED	PRESSURE
Aluminium	10 m standard	from 82 to 630 mm	-30°C / +140°C (peak 180°C)	0,6 x Ø	max 32 m/sec	max 250 mmH <sub>2</sub> O

## PRODUCTION DIAMETERS

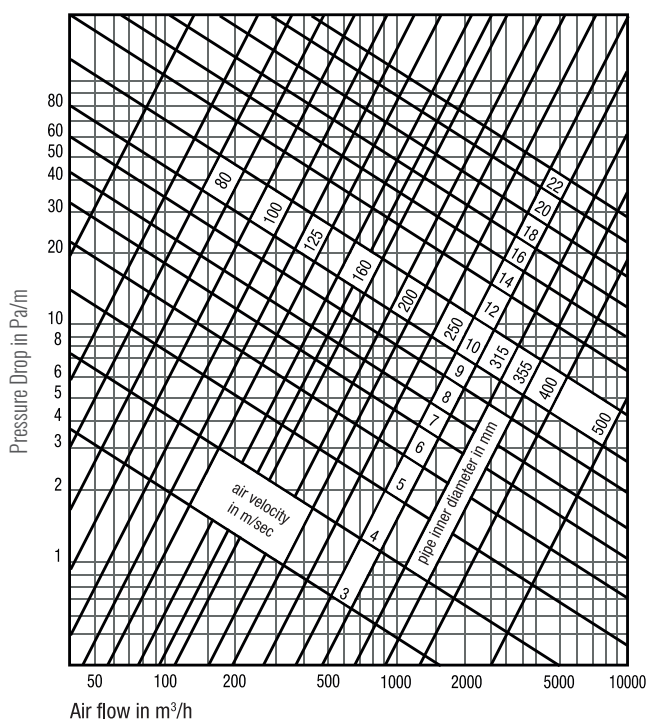
82	102	127	152	160	165*	180	203	228*	254	305	318	356	406	457*	508	630*
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\*Diameters available on request

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]
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

## CERTIFICATION FOR FIRE REACTION



**IT** Class 1 (D.M. 26/06/84)  
Omologation nr.: RE1205C20D100007

**EU** B-s1, d0  
(EN 13823:2010)



MED/3.18f  
(2014/90/UE)  
f) combustible ducts  
membrane

**FR** Class M0 (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**<sup>®</sup>

**BREEAM**

Contributes to credits:  
MAN, WST

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

## APPLICATIONS

Residential	Flexibility	EasyPack	Self-extinguishing	Tear Resistant	Calibrated Diameters*	Compact Version*	Building	Air Conditioning
CMV	Non-magnetic*	Extractor Hoods						

\*on request