



AL/SA MasterSan™

Flexible hose made with AL (aluminium) wall coupled to polyolefin resin film additivated with anti-bacterial/anti-mildew master. Inner helix made of steel wire.
The set of materials for the construction of the flexible conduit does not require the use of chemical agents, glues or adhesives.

MasterSan™ in collaboration with:

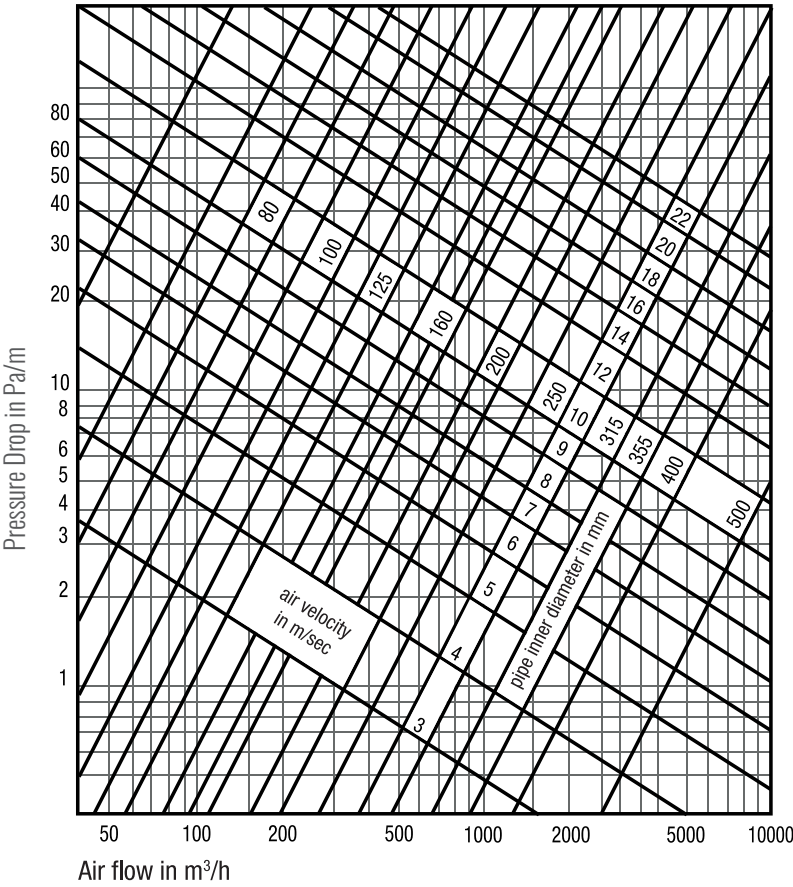


TECHNICAL SPECIFICATIONS AND USAGE LIMIT						
COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	CURVATURE RADIUS	AIR SPEED	PRESSURE
Internal Grey / Outer Aluminium	10 m standard	from 82 to 508 mm	-20°C / +90°C (peak +110°C)	0,6 x Ø	max 32 m/sec	max 250 mmH ₂ O

PRODUCTION DIAMETERS														
82	102	127	152	160	180	203	228*	254	305	318	356	406	457*	508*

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

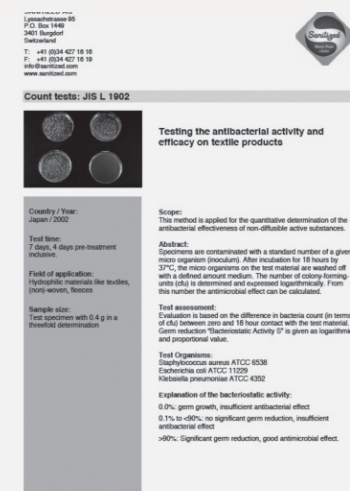
PRESSURE DROPS DIAGRAM (Air temperature 20°C)



PRESSURE DROPS TABLE WITH CALCULATION EXAMPLES

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

DIAMETERS	AIR SPEED 8m/s		AIR SPEED 10m/s	
	FLOW RATE	PRESSURE DROP	FLOW RATE	PRESSURE DROP
[mm]	[m3/h]	[Pa/m]	[m3/h]	[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

CERTIFICATIONS		
SANITIZATION	ALUMINIUM WALL	SA10 WALL
 SANITIZED TECHNOLOGY MasterSan™ is produced with new generation polyolefin film with the addition of “Sanitized Antibacterial” active ingredient capable of reducing the microbial and bacterial load presents inside the ducts and conveyed by the air, for the environment and man’s safety. NO BACTERIA NO MILDEW	Class 1 (D.M. 26/06/84)	Class 1 (D.M. 26/06/84)

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

Contributes to credits:
MAN, WST

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

APPLICATIONS								
								
OEM	Residential	Flexibility	Easy Pack	Self-extinguishing	Mold Resistant	Microorganism Resistant	Tear Resistant	Calibrated Diameters*
								
REACH Certifie	RoHS Certifie	Halogen Free	Compact Version*	Industry	Building	Air Conditioning	CMV	Non-magnetic*
								
CMV transp. Means	CMV Mech. Means	Recreational Boats						

*on request

TECNICA™

Efficient Indoor Air Project

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