



SA10 Therm MasterSan™



Flexible hose made of additivated polyolefin resin film, anti-bacterial/anti-mildew master and steel wire helix. Thermo-insulating covering in polyester fibre (thickness 25mm/16kg/m³). Outer aluminized film protection (flame retardant).
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

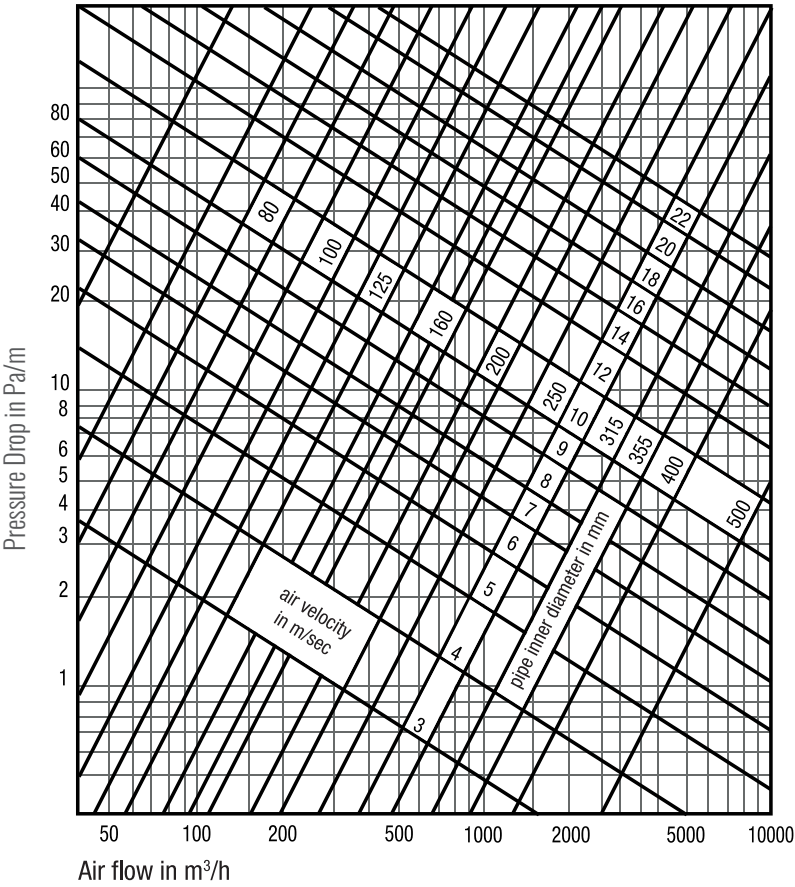
COLOR	LENGTH	PRODUCTION DIAMETERS	WORKING TEMPERATURE	CURVATURE RADIUS	AIR SPEED	PRESSURE
Internal hose Grey - Sheath Aluminium	10 m standard	from 80 to 406 mm	-20°C / +90°C (peak +110°C)	0,8 - 1,5 x Ø	max 20 m/sec	max 200 mmH ₂ O

PRODUCTION DIAMETERS

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

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]
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

CERTIFICATIONS		
SANITIZATION		FIRE REACTION
 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.   	IT	Class 1 (D.M. 26/06/84)
	EU	Inner tube and vapor barrier: MED/3.18f (2014/90/UE) class B-s1, d0 (en 13823:2010) Thermal insulation: 0497 class B-s2, d0 f) combustible ducts membrane (uni en 13501-1:2009)
	FR	Inner tube and vapor barrier: class M1 (AFNOR NF P 92-507 § 3.1.2) 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

Contributes to credits:
MAN, ENE, 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*	Building	Air Conditioning	CMV	Non-magnetic*	CMV mech. means
	*on request							
Recreational Boats								