



DATA SHEET



SA10/ESP sanitizing air-conditioning flexible hoses



Flexible hose produced with exclusive technology by TECNICA SRL.

Flexible hose made of:

- activated polyolefin resins film with anti-bacterial and anti-mildew master
- thermo-insulating coating in netted and closed-cell foam polyethylene
- external protection in activated polyolefin resins film
- embedded steel wire helix

The set of materials for the construction of the flexible hose does not provide for the usage of chemical agents, stickers or adhesives.

SPECIFICATIONS:

- COLOUR: Grey
- LENGTHS: 10m standard
- DIAMETERS OF PRODUCTION: from 40mm to 254mm
- FIRE REACTION: Class 1 (DM 26/06/84)
Class M1
Class EN B - s1, d0 (13823:2010)
- OPERATING TEMPERATURES: -40° + 100°C
- BENDING RADIUS: 1,2 - 1,8 x Ø
- AIR SPEED: max 20 m/sec
- PRESSURE: max 200 mm CA

Realizzato in collaborazione con Sanitized®



MAINTENANCE:

Periodically check the state of wear of the hose and immediately replace it if damaged. **Pay maximum attention to the duct operating temperatures.**

NETTED POLYETHYLENE FOAM TYPE CL1

Physical and mechanical properties	S.M.	Rules	Value
Density	Kg/m³	ISO 845	30
Class of combustion		CSE RF2/75° RF3/77	CL1
Coefficient of thermal conductivity at 0°C (λ)	W/mk Kcal/mh °C	UNI 7745 ASTM C177 UNI 7745 ASRIM C177	0,0344 0,0296
Coefficient of thermal conductivity at 40°C (λ)	W/mk Kcal/mh °C	UNI 7745 ASTM C177 UNI 7745 ASRIM C177	0,0372 0,032
Coeff. of resistance to water steam diffusion	μ	DIN 52615	>65.000
Permeability to water steam	Ng/Pa s m	DIN 52616	0,12
Water absorption after 28 days	Vol. %	DIN 53433	<3
Compressive strength at 10%	g/cm²	ISO 3386/1	190,00
Dimensional stability	°C	DIN 53431	100
Max operating temperature	°C		-80 +100
Operating temperature with mechanical stress	°C		-40 +100

APPLICATIONS:

Air conditioning • Mechanical ventilation simple or double flow • Reduction of condensation and heat dispersion. • Air conditioning plants for transport, agricultural and industrial use.

On request we can supply SA10 ESP in amagnetic version

TECHNICAL DATA:

Diam. mm	Operating pressure in bar*	Operating vacuum in bar*	Bending radius in mm	Weight in gr / m
50	0.70	0.18	35	96
60	0.70	0.15	42	115
70	0.60	0.13	49	128
80	0.50	0.09	56	154
102	0.40	0.08	70	200
127	0.40	0.07	92	254
152	0.20	0.05	105	308
160	0.15	0.05	110	331
180	0.15	0.05	130	438
203	0.15	0.04	140	492
254	0.08	0.03	175	600

Data given in this table are approximated.

* Pressure and vacuum data based on +20° room temperature.

