AIRSAN insulated antibacterial coated hose

ANTIBACTERIAL INSULATED AIRSAN COATED HOSE VML2610---R SERIES

CARATTERISTICHE

Flexible pipeline, made with exclusive technology; the pipeline is made of the following materials starting from the inside to the outside:
- Film of polyolefin resins additivated with antibacterial and anti-mold master;
- Built-in spiral made of harmonic steel wire:
- 4 mm thick thermal insulation layer made of cross-linked polyethylene and closed-cell foam;
- External protection made of additive polyolefin resin film;
- **Polyester fiber thermal insulation outer covering 25 mm thick,** density 16 kg/m^3;
- External aluminized film **protection** (flame retardant). The assembling of materials, in order to construct the flexible duct, does not involve the use of adhesive chemicals or adhesives.

Color:
Gray interior;
aluminum exterior.

Fire reaction for the Italian standard:
- class 1 (DM 26/06/84).

Fire reaction for the European standard:
- EN class B-s2, d0 (13501);
- EN class B-s1, d0 (13823).

Max air speed:
20 m/s.

Operating temperature: -40°C ...+100°C.

Minimum radius of curvature:
1.2 ÷ 1.8 times the diameter (depending on diameters).

Length:
10 meters of hose per package.

IMPORTANT NOTE: For minimum pressure drop (as in graph shown on next page) the pipe must be installed of laid nearly straight and with taut walls.

GRAPHICS

Quick selection chart of "AIRSAN Coated" pipes.

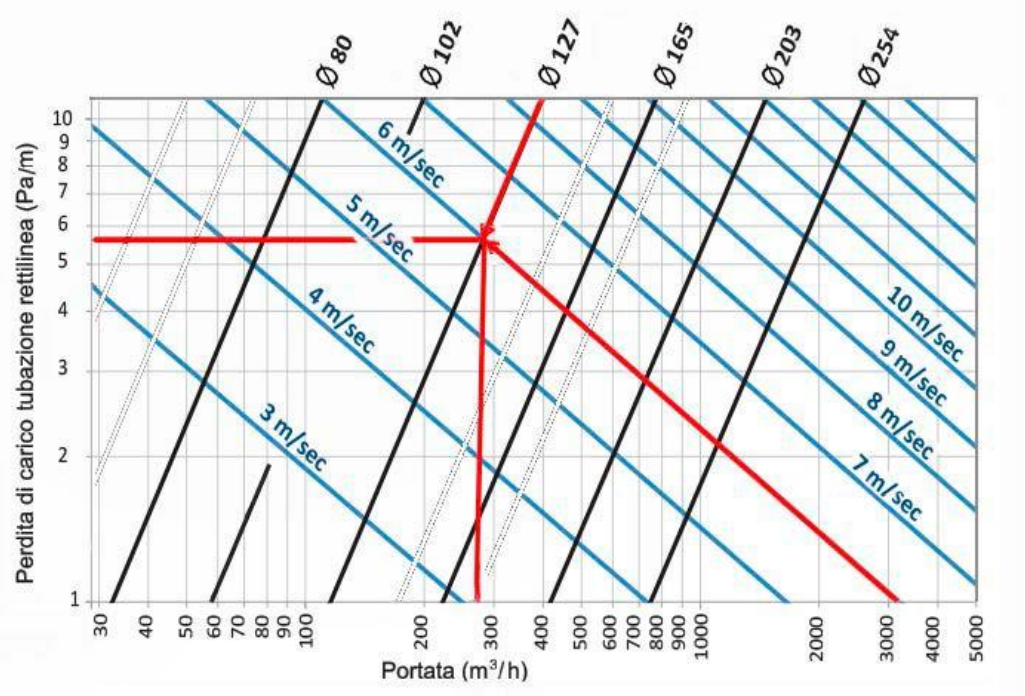

TABLE WITH PHYSICAL-MECHANICAL PROPERTIES OF CROSS-LINKED POLYETHYLENE FOAM THICKNESS 4 MM CONSTITUENT OF UNCOATED "AIRSAN" PIPE

Proprietà fisicomeccaniche	U.M.	Metodo	Valori
Densità	Kg/m³	ISO 845	30
Classe di combustione		CSE RF2/75° RF3/77	CL1
Coefficiente di conducibilità termica a 0°C (λ)	W / mK Kcal/mh °C	UNI 7745 ASTM C177 UNI 7745 ASRM C177	0,0344 0,0296
Coefficiente di conducibilità termica a 40°C (λ)	W / mK Kcal/mh °C	UNI 7745 ASTM C177 UNI 7745 ASRM C177	0,0372 0,0320
Coefficiente di resistenza alla diffusione del vapore acqueo	μ	DIN 52615	> 65.000
Permeabilità al vapore d'acqua	Ng/Pa s m	DIN 52616	0,12
Assorbimento d'acqua dopo 28gg	Vol.%	DIN 53433	< 3
Resistenza alla compressione al 10%	g/cm²	ISO 3386/1	190
Stabilità dimensionale	°C	DIN 53431	100
Temperatura max d'uso	°C	-	-80 / +100
Temperatura d'impiego con sollecitazione meccanica	°C	-	-40 / +100

TABLE WITH PHYSICAL-MECHANICAL PROPERTIES OF POLYESTER FIBER MAT THICKNESS. 25 MM "AIRSAN COATED" PIPE COATING

Proprietà rivestimento esterno	U.M.	Metodo	Valori
Spessore	mm		25
Coefficiente di conducibilità termica λ	W / mK		0,0280
Trasmittanza termica U	W / m^2K		1,12
Resistenza termica R	m / λ		0,8929

TABLE WITH CHARACTERISTICS (TECHNICAL DATA) OF AIRSAN PIPE VARYING BY DIAMETER

Ø (mm)	Working pressure (bar)	Operating depression (bar)	Radius of curvature (mm)	Weight (gr / ml)
80	0.50	0.09	56	154
102	0.40	0.08	70	200
127	0.40	0.07	92	254
165	0.15	0.05	115	368
203	0.15	0.04	140	492
254	0.08	0.03	175	600

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