

VML2610R series AIRSAN insulated pipe

VML2610R SERIES "AIRSAN" ANTIBACTERIAL INSULATED FLEXIBLE PIPE



FEATURES

Flexible pipe, made with exclusive technology; the pipe 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/m³;
- 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: pale 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 pipe per package.

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

GRAPHICS - Quick selection chart of "AIRSAN" pipes

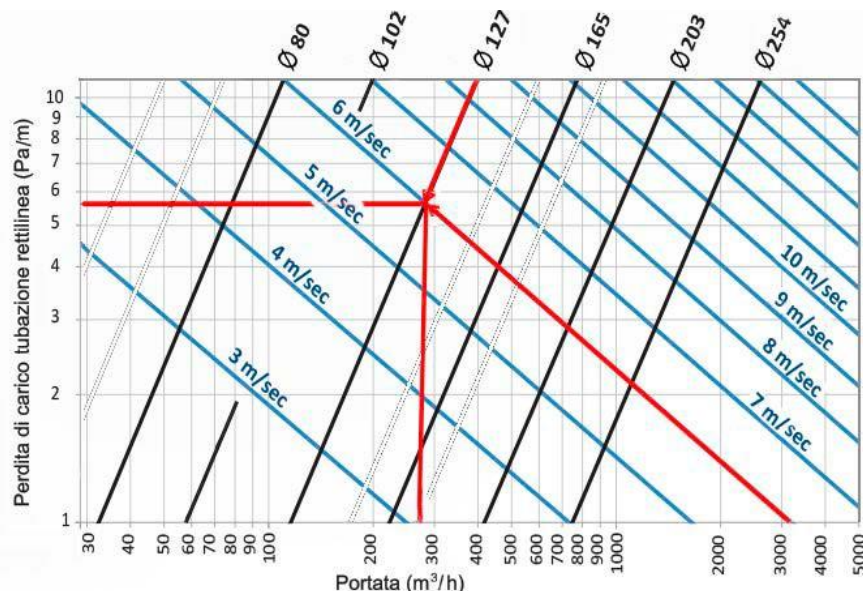


TABLE WITH PHYSICAL-MECHANICAL PROPERTIES OF CROSS-LINKED POLYETHYLENE FOAM THICKNESS 4 MM CONSTITUENT OF UNCOATED "AIRSAN" PIPE --->

---> [see VML2610 SERIES AIRSAN pipe technical sheet](#)

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

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

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

\emptyset (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