

VEIN HOSE SIL 650/V

HOSES › Pipes for the pharmaceutical industry › SILICONE hoses for the pharmaceutical industry

White silicone hose compliant with the highest certification standards in the pharmaceutical and food sectors.

Particularly suitable for the transport of liquid or semi-liquid fluids in the food, cosmetic, chemical and pharmaceutical industries in general. The hose is very durable and lightweight hose, easy to handle. It is especially recommended when an extremely small bending radius is required. These tubes are capable of transporting liquid or dense foods at high temperatures by pulse or suction, as their structure can withstand both pressure and vacuum.

Property

Odorless, tasteless and completely non-toxic. Translucent and smooth internal appearance, white or colored and smooth external appearance. It can be equipped with stainless steel fittings on each end with a roughness value of less than 0.8 µm.

Operating temperature ranges from -60°C (-75°F) to +180°C (356°F), can reach up to +200°C (392°F) during short periods of time.

The standard manufacturing length is 4 meters (13.12 feet), but a length of 6 meters (19.69 feet) can be produced in specific diameters.

The vacuum resistance for this hose is 0.91 Bar (13.23 psi).

Limitations

Respect the established values of the bending radius and working pressure. Pay attention to the chemical compatibility of the fluid with silicone. This product is not recommended for transporting abrasive particles.

Regulations

Platinum cured silicone produced in compliance with:

- US FDA Standard 21 CFR 177.2600
- German BfR standard part XV
- USP Class VI in vivo test, 121°C
- ISO 10993-4, 5, 6 and 10
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg 10/2011/EEC
- European Pharmacopoeia 3.1.9
- 3A Sanitary Standard 18-03 Class I (material)
- 3A Sanitary Standard 62-02 (flexible pipes)

The silicone rubber used complies with the EU Directive 2002/95/ECC for the restriction of the use of hazardous substances (RoHS).

Construction

Made with three polyester fabric reinforcements and a stainless steel spiral to which a copper wire has been applied, mounted parallel to the stainless steel spring to improve the discharge of static electricity.

Attention ! The tube must be properly earthed to allow current dissipation of the static charge, by connecting the metal fittings of the tube to earth or directly the copper wire at both ends of the tube.

- Extreme working conditions or the use of materials that are not very compatible with silicone can attack the internal surface of the tube. It is recommended to inspect the internal appearance systematically for cracks or bulges and, if necessary, replace the hose.



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- The hose cover should also be inspected along its entire length for signs of hardening, abrasion, cuts, kinks or crushing.

Diameter internal		Thickness wall	Pressure of exercise	Pressure of explosion	Radius of curvature
mm	inch	mm	Cafe	Cafe	mm
6	1/4"	5.5	26.0	77.9	29
8	5/16"	5.5	24.0	72.0	31
10	3/8"	5.5	22.0	65.9	34
13	1/2"	5.5	19.9	59.7	39
16	5/8"	5.5	18.3	54.8	45
19	3/4"	5.5	16.5	49.6	54
22	7/8"	5.5	15.8	47.3	60
25	1"	5.5	14.8	44.3	68
32	1"1/4	5.5	12.8	38.5	94
38	1"1/2	5.5	11.5	34.5	112
51	2"	5.5	9.2	27.5	144
63	2"1/2	5.5	7.5	22.6	181
76	3"	6.0	6.1	18.2	232
102	4"	6.0	3.7	11.2	367