

FLEXIP VEIN TUBE

HOSES › Pipes for the pharmaceutical industry › PE - PU - PVC - PTFE - PVDF - FEP - PFA pipes for the pharmaceutical industry

Flexible hose perfect for conveying oils and creams and resisting CIP cleaning processes. VENA® FLEXIP is the perfect solution for the cosmetic industries. It was developed taking into account all the requests and needs of cosmetics manufacturers. The tube has good resistance especially in fatty and oily products.

The hose is made of silicone, however it has an internal layer made of fluorine elastomers and PTFE particles, which gives good resistance to both acidic and some basic CIP cleaning solutions. The materials and constructions of VENA® FLEXIP allow them to have the following properties:

Operating temperature range is -20°C to 175°C, can reach up to +200 °C for short periods of time. It can be cleaned by steam or SIP process at 130 °C and CIP-acid process and a little basic under harsh conditions. Reduced bending radius. Vacuum resistance: 0.91 bar (12.23 psi).

SPECIFIC CHARACTERISTICS

- Light.
- Tested and certified
- Construction and materials are tested
- Minimum radii of curvature

REFERENCE REGULATIONS

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

Reg 10/2011 / ETC

Eurepan Pharmacopoeia 3.1.9

3A Sanitary Standard 18-03 Class I (material).

EU Directive 2002/95 / ECC for the Restriction of the Use of Hazardous Substances (RoHS)

The Vena@Flexip construction is a flexible silicone hose produced with a hybrid internal layer of fluoro elastomers and PTFE, with three polyester fabric reinforcements and a stainless steel wire spring, all enclosed within the hose. Smooth white internal and external appearance. Reinforcement of three polyester fabrics. Spring in plastic or stainless steel wire (on request) enclosed inside the tube. The tube is completely non-toxic.

It can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8um.

Construction

This reference is produced with an internal hybrid layer between fluorine elastomers and PTFE, with three polyester fabric reinforcements and a stainless steel wire spring, all enclosed inside the tube.

Customized constructions on request. Shapes such as elbows and bends can also be made to fit any installation. VENA® FLEXIP can be produced in different constructions depending on the needs of our customers. It is flexible and resistant making it perfect to adapt to any type of machinery.

The product is perfect for fillers, formulation tanks and any type of machinery that requires flexibility, resistance to strong movements, durability, resistance to high temperatures and avoids product losses or waste.



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I use precautions

- Extreme working conditions or the use of materials with low compatibility with Vena@Flexip can attack the internal surface of the pipe. It is recommended that you inspect the internal appearance for cracks or bulges and replace the hose if necessary.
- The hose cover should be inspected along its entire length for signs of hardening, abrasion, cuts, bends or crushing.

Internal diameter mm	Wall thickness mm	Operating pressure Cafe	burst pressure Cafe	Radius of curvature mm
6	5.5	32.70	98.10	29
8	5.5	31.20	93.50	31
10	5.5	29.70	89.00	34
13	5.5	27.50	28.50	39
16	5.5	25.40	76.30	45
19	5.5	11.50pm	70.50	54
22	5.5	9.60pm	64.90	60
25	5.5	19.90	59.60	68
32	5.5	4.20pm	48.50	94
38	5.5	1.40pm	40.30	112
51	5.5	8.90	26.70	144
63	5.5	6.40	7.20pm	181
76	5.5	5.50	16.60	232