

Venaflon® HF

Ref: DO 03.10 FT 262. Rev. 01
Date: 01/07/2015



Applications

It is specially recommended for the transport of liquid or semi-liquid fluids in the food, cosmetic, chemical and pharmaceutical industries.

This hose presents a wide field of application due to its construction which gives it a balance between strength and lightness. The inner layer for this hose is made of PFA (Perfluoroalkoxy) which has a high compatibility with highly aggressive chemicals.

This hose is able to transport liquid or semi-liquid food-stuffs by impulsion or suction, since its design can resist either pressure or vacuum.

Limitations

Respect the bending radius and work pressure established values.

Mind the chemical compatibility of the fluid with the inner PFA.

Regulations

The inner layer of PFA is in compliance of:

- US FDA Standard
- USP Class VI
- Commission Regulation 10/2011/ECC, according to Regulation 1935/2004/EEC

The outer silicone layer is in compliance of:

- US FDA Standard
- USP Class VI
- European Pharmacopoeia 3.1.9

Properties

- Odorless, tasteless and completely non-toxic.
- High flexibility.
- White and smooth appearance of the inner layer of PFA, translucent and smooth appearance of the outer silicone layer.
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8 µm (or 0.5 µm on request).
- Upon request it can be equipped with Clamp fittings with an inner cover of PFA.
- Operational temperature range from -30°C (-22 F) to +150°C (302 F).
- The hose is manufactured in a maximum length of 20m (65.62 ft).
- The vacuum resistance is 0.9 bar (13.05 psi).

Technical Specifications



Inner Diameter		Wall Thickness		Working Pressure ISO 1402/2009		Bending Radius ISO 1746/1998	
<i>mm</i>	<i>inch</i>	<i>±0.8mm</i>	<i>±0.03inch</i>	<i>Bar at 20°C</i>	<i>Psi at 68°F</i>	<i>mm</i>	<i>inch</i>
13.0	1/2	5.0	0.20	10	145.04	45	1.47
16.0	5/8	6.0	0.24	10	145.04	55	2.17
19.0	3/4	6.0	0.24	10	145.04	65	2.56
25.0	1	6.0	0.24	10	145.04	85	3.35
32.0	1 1/4	6.0	0.24	10	145.04	120	4.72
38.0	1 1/2	6.5	0.26	10	145.04	140	5.51
51.0	2	8.0	0.31	10	145.04	180	7.09
63.5	2 1/2	8.0	0.31	8	116.03	320	12.60
76.0	3	8.0	0.31	6	87.02	380	14.96

Construction

This reference is manufactured with a white inner layer of PFA (Perfluoroalkoxy), polyester reinforcements and a stainless steel (AISI 304) spring wire encased.