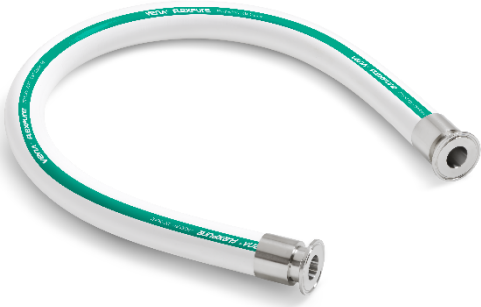


Vena® Flexpure

Ref: DO 03.10 FT 349. Rev. 00
Date: 23/06/2021



Limitations

Respect the bending radius and work pressure established values.

Mind the chemical compatibility of the fluid with the inner PTFE layer.

Regulations

The inner PTFE is in compliance with:

- US FDA Standard 21 CFR 177.550
- USP Class VI <88> in vivo test, 121°C.
- European Regulation (EU) 10/2011

The outer white silicone is in accordance with:

- US FDA Standard 21 CFR 177.2600

This hose is in accordance with the RoHS Directive 2002/95/EC and its subsequent amendments including the RoHS2 Directive 2011/65/EU and RoHS3 Directive 2015/863

Applications

The inner layer of PTFE makes it perfect for conveying aggressive chemicals by impulsion or suction in food, cosmetic and pharmaceutical applications.

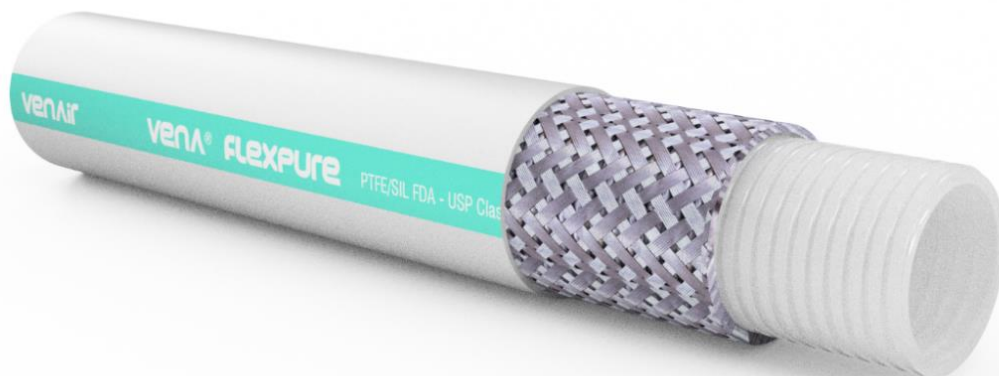
Due the ultra-flexible smoothbore construction, it is ideal for powder, liquid and semi-liquid processing in applications where a high hygienic design and good mechanical performance are required.

Properties

- Odorless, tasteless and completely non-toxic.
- White and smooth outer appearance.
- White smoothbore inner layer with special construction to guarantee the maximum flexibility while a high kink resistance.
- It can resist abrasion and hydrocarbon fluids.
- Can be equipped with 316L stainless steel fittings on each end with a roughness value of less than 0.8 µm (smallest roughness is possible on request).
- Operational temperature range from -50°C (-58 F) to +200°C (392 F).
- The standard manufacturing length is 4 meters long (13.12 ft.), but in specific diameters a length of 6 meters (19.69 ft) can be manufactured.
- It can be cleaned with steam or SIP (steam) process and CIP process – acidic and some basic under demanding conditions.

Construction

This reference is manufactured with inner PTFE resins, braided with stainless steel, covered with white rubber silicone.



Alternative

- Vena® Flexpure-X. With a static dissipative PTFE lining

	Reference standards	Classification of hose grades
Electrical features information per assembly	ISO 8031 & BS EN 16643 Electrically bonded and static dissipative lining* $10^3\Omega \leq R \leq 10^8\Omega$	M/Ω-L

* Electrically bonded relates to stainless steel wire braid and any metallic end fittings used as part of the assembly.

Technical Specifications

Inner Diameter		Wall thickness		Working Pressure ISO 1402		Bursting Pressure ISO 1402		Bending Radius ISO 1746	
<i>mm</i>	<i>inch</i>	<i>+1/-0.5 mm</i>	<i>+0.04/-0.02 inch</i>	<i>Bar at 20°C</i>	<i>Psi at 68°F</i>	<i>Bar at 20°C</i>	<i>Psi at 68°F</i>	<i>mm</i>	<i>inch</i>
19,10	¾	3,80	0,150	10	145	30	435	65	2,56
21,00	7/8	4,10	0,161	10	145	30	435	80	3,15
25,50	1	4,20	0,165	10	145	30	435	90	3,54
31,80	1 ¼	4,65	0,183	10	145	30	435	125	4,92
38,10	1 ½	5,00	0,197	10	145	30	435	155	6,10