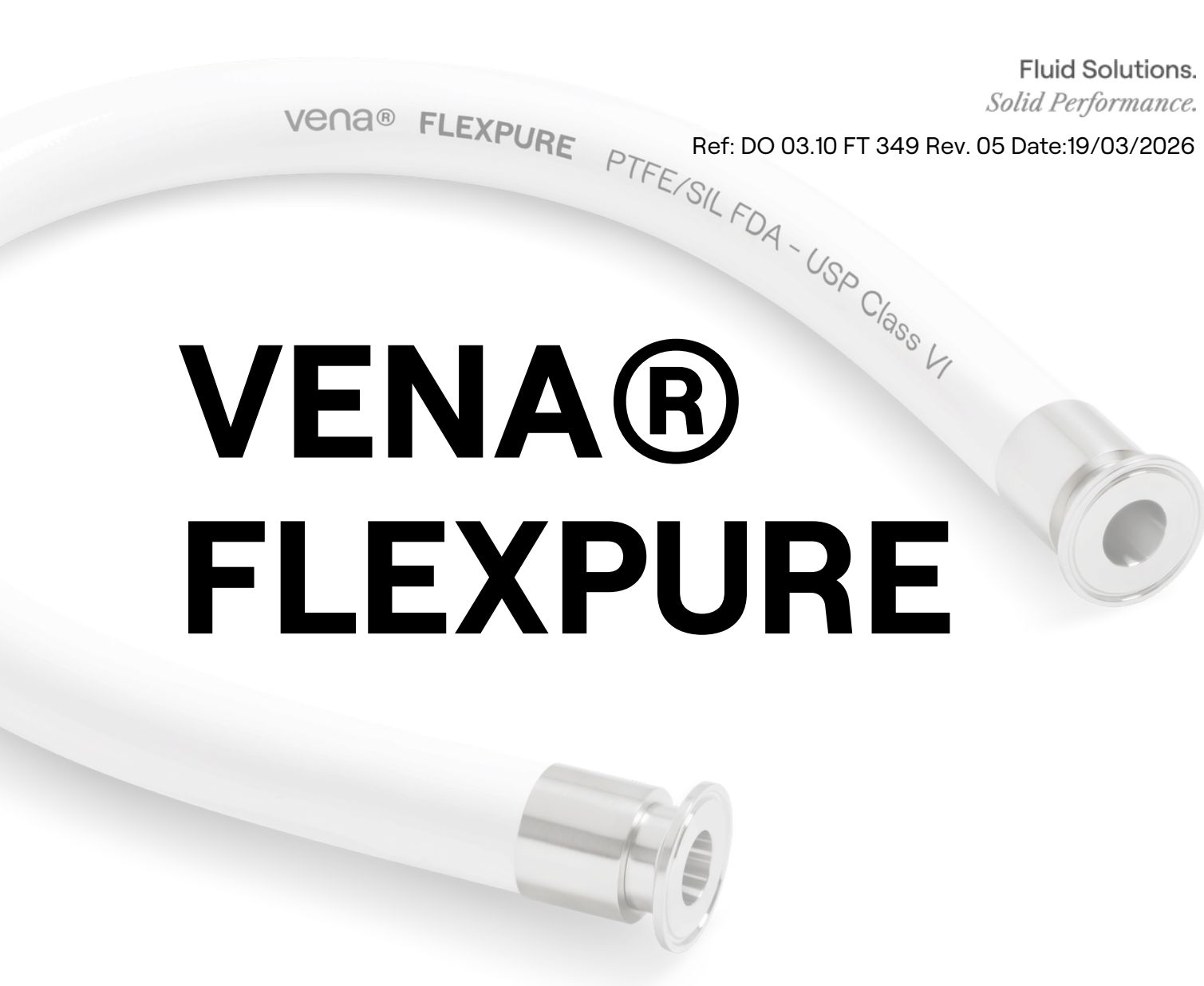




VENA® FLEXPURE

ULTRA-FLEXIBLE PTFE HOSE FOR HIGH-PURITY CHEMICAL AND PROCESS FLUID TRANSFER

Specially designed for the **hygienic transfer of aggressive chemicals, powders, liquids and semi-liquid products** in food, cosmetic, chemical and pharmaceutical processing. Its ultra-flexible smoothbore PTFE construction provides excellent chemical resistance, high mechanical performance and superior flexibility.

- › **Transfer of aggressive chemicals and high-purity process fluids** in food, cosmetic, chemical and pharmaceutical industries.
- › **Powder, liquid and semi-liquid processing** requiring excellent flexibility and hygienic design.
- › **Pressure and vacuum applications** where outstanding chemical resistance and mechanical performance are required.



MATERIAL

PTFE Inner Liner + Braided Stainless Steel Reinforcement + White FDA Silicone Cover



TEMPERATURE

Operational temperature range from -50°C (-58 F) to +200°C (392 F).



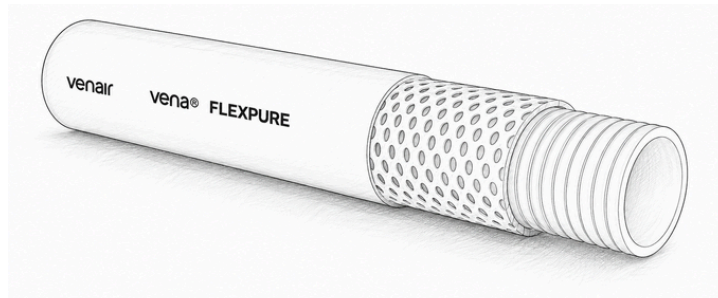
CONSTRUCTION MATERIALS

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

A conductive inner layer version (FLEXPURE-X) is also available.

The standard manufacturing length is 10m (32.81 ft).

Other lengths are available upon request to meet specific application requirements.



PROPERTIES

- Odorless, tasteless, and completely non-toxic
- With 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.
- Cleaning: CIP, SIP (Steam at 130°C max: 30min/cycle), Autoclave.



QUALITY AND COMPLIANCE

The inner layer of PTFE is in accordance with:

- US FDA Standard 21 CFR 177.1550
- USP Class VI <88>, in vivo test
- European Regulation (EU) 10/2011 and 1935/2004.

The outer white silicone layer is in accordance with:

- US FDA Standard 21 CFR 177.2600

This hose is in accordance with the RoHS "Restriction of the use of Hazardous Substances" Directive 2002/95/EC and its subsequent amendments including the RoHS2 Directive 2011/65/EU and RoHS3 Directive 2015/863.



TECHNICAL SPECIFICATIONS

Size	Inner Diameter		Outer Diameter		Working Pressure * ISO 1402		Bursting Pressure * ISO 1402		Bending Radius ISO 10619-1	
	mm	inch	mm	inch	bar at 20°C	psi at 68°F	bar at 20°C	psi at 68°F	mm	inch
1/2	13.1	0.516	23.0	0.906	114	1653	457	6628	37	1.457
5/8	16.3	0.642	27.0	1.063	102	1479	409	5932	50	1.969
3/4	19.6	0.772	31.0	1.220	87	1262	347	5033	77	3.031
1	25.5	1.004	38.7	1.524	65	943	260	3771	80	3.150
1 1/4	32.4	1.276	46.0	1.811	63	914	251	3640	100	3.937
1 1/2	39.0	1.535	52.0	2.047	55	798	220	3191	145	5.709
2	50.5	1.988	67.0	2.638	47	685	189	2741	210	8.268

*crimped hose pressure value may vary acc. connection type



LIMITATIONS

- Respect the work pressure established values.
- Mind the chemical compatibility of the fluid with EPDM rubber.

CONTACT



IMPORTANT: The Company reserves the right to change, amend, modify, suspend, continue or terminate all or any part of this Document at any time without notice. It is the user's responsibility to ensure the suitability and safety of the VENAIR products for all intended uses. All the tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of the hoses in any particular application.

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