Technical Datasheet

Vena® TECHNOEX

Ref: DO 03.10 FT 87. Rev. 11
Date: 20/06/2017

Limitations

Mind the chemical compatibility of the fluid with the silicone.

This type of hose is not recommended for operation with negative pressure (vacuum)

This product is not recommended for the transport of abrasive particles

Regulations

Platinum cured silicone produced in compliance with:

- US FDA Standard 21 CFR 177.2600
- German BfR Standard part XV
- European Pharmacopoeia 3.1.9.
- USP Class VI <88> in vivo tests, 121ºC
- ISO 10993-4, 5, 6 and 10
- ResAp 2004 (5), according to Reg 1935/2004/EEC, and Reg 10/2011/EEC

Silicone rubber used is in accordance with EU Directive 2002/95/ECC for Restriction of the use of hazardous substances (RoHS)

Applications

It is especially recommended for the transport of liquid or semi-liquid fluids in the food, cosmetic, chemical and pharmaceutical industries. It offers an extremely broad field of applications.
Due to its translucent appearance, the product inside the hose is visible during the process phase.

Properties

- Odorless, tasteless and completely non-toxic.
- Translucent and smooth inner appearance.
- 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).
- Operational temperature range from -60°C (-76 F) to +200°C (392 F), it may reach up to 220°C (428 F) during short periods of time.
- The standard manufacturing length is 25 meters long (82.02 ft), although they can be manufactured in any length required
- Indelible traceability through laser marking with part number, reference description and internal diameter.

Construction

This reference is manufactured with VMQ (Vinyl-Methyl Quality) silicone.

Technical Specifications

In the below table, there are some of the diameters that can be manufactured, for more diameter please consult your sales office:

Staitech

Distributed in the UK by: Staitech Ltd / Unit 6 / Hope Mill Lane / Stroud / GL5 2SH / UK
Tel: +44 (0) 1453 882736 / Fax: +44 (0) 1453 882744
Email: sales@staitech.com / Web: www.staitech.com / www.venair.com

Inner Diameter			Tolerance		Outer Diameter			Tolerance		Thickness		Tolerance	
(mm)	(inch)		(mm)	(inch)	(mm)	(inch)		(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
1,59	0,06	1/16	0,25	0,0098	4,76	0,19	3/16	0,75	0,0295	3,17	0,1248	0,25	0,0098
2,38	0,09	3/32	0,25	0,0098	5,55	0,22	7/32	0,75	0,0295	3,17	0,1248	0,25	0,0098
3,18	0,13	1/8	0,25	0,0098	6,35	0,25	1/4	0,75	0,0295	3,17	0,1248	0,25	0,0098
3,18	0,13	1/8	0,25	0,0098	7,90	0,31	5/16	0,85	0,0335	4,72	0,1858	0,30	0,0118
3,18	0,13	1/8	0,25	0,0098	9,52	0,37	3/8	0,85	0,0335	6,34	0,2496	0,30	0,0118
4,76	0,19	3/16	0,30	0,0118	7,90	0,31	5/16	0,80	0,0315	3,14	0,1236	0,25	0,0098
4,76	0,19	3/16	0,30	0,0118	9,52	0,37	3/8	0,90	0,0354	4,76	0,1874	0,30	0,0118
4,76	0,19	3/16	0,30	0,0118	11,11	0,44	7/16	0,90	0,0354	6,35	0,2500	0,30	0,0118
6,35	0,25	1/4	0,30	0,0118	9,52	0,37	3/8	0,80	0,0315	3,17	0,1248	0,25	0,0098
6,35	0,25	1/4	0,30	0,0118	12,70	0,50	1/2	0,90	0,0354	6,35	0,2500	0,30	0,0118
7,93	0,31	5/16	0,30	0,0118	12,70	0,50	1/2	0,90	0,0354	4,77	0,1878	0,30	0,0118
9,52	0,37	3/8	0,35	0,0138	14,30	0,56	9/16	0,95	0,0374	4,78	0,1882	0,30	0,0118
9,52	0,37	3/8	0,35	0,0138	15,90	0,63	5/8	0,95	0,0374	6,38	0,2512	0,30	0,0118
11,11	0,44	7/16	0,35	0,0138	14,30	0,56	9/16	0,85	0,0335	3,19	0,1256	0,25	0,0098
12,70	0,50	1/2	0,35	0,0138	19,00	0,75	3/4	0,95	0,0374	6,30	0,2480	0,30	0,0118
15,88	0,62	5/8	0,35	0,0138	22,20	0,87	7/8	0,95	0,0374	6,32	0,2488	0,30	0,0118
19,05	0,75	3/4	0,40	0,0157	25,40	1,00	1	1	0,0394	6,35	0,2500	0,30	0,0118