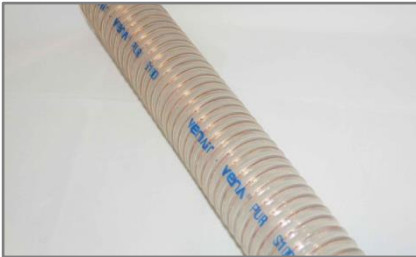


VENA TECHNIPUR S100

Ref: DO 03.10 FT 301. Rev. 07
Date: 09/02/2021



Applications

Hose recommended for suction and transport in food and pharmaceutical industries. Generally acceptable for pneumatic transport of flammable and non-flammable bulk materials and suction of all types of abrasive particles. Also recommended for the chemical industry.

It is recommended especially when the inner product is abrasive or has to be seen to control the flow. It has smooth inner and corrugated outer appearance.

Limitations

Not suitable for SIP steam process.

Respect work pressure established values.

Mind the chemical compatibility of the fluid with the polyurethane.

Regulations

Food quality polyurethane

- US FDA Standard 21 CFR 177.1680 and CFR 177.2600.
- According to Regulation 1935/2004/EC and 10/2011/ECC.

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

Properties

- Odorless, tasteless and completely non-toxic.
- Translucent and smooth inner and corrugated outer appearance.
- BPA (Bisphenol-A) and Phthalates free.
- High level of transparency.
- 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 -20°C (-4 °F) to +80°C (176 °F), it may reach up to +100°C (212 °F) during short periods of time.

Construction

This reference is manufactured with three layers of polyurethane sheets and stainless steel wire spring.

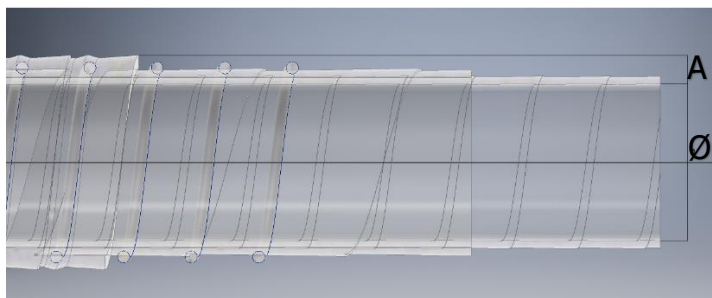
Alternative:

Technipur X S100: recommended when a low electrical surface resistivity is required. This conductive version has an electrical surface resistivity of $<10^9$ [$\Omega \cdot \text{m}$] according to IEC/TS 60079-32-1.

Technipur S100 AC: cooper wire parallel to the wire spiral for a better electrostatic discharge.

Technical Specifications

Inner Diameter		Wall thickness *1		Working Pressure ISO 1402		Bursting Pressure ISO 1402		Vacuum Resistance ISO 7233	
<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>Bar at 20°C</i>	<i>Psi at 68 F</i>
20,00	0,79	3,60	0,14	10,44	151,35	31,31	454,06	0,93	13,49
25,00	0,98	3,60	0,14	9,40	136,27	28,19	408,80	0,93	13,49
30,00	1,18	3,60	0,14	8,46	122,68	25,38	368,05	0,93	13,49
32,00	1,26	3,60	0,14	8,11	117,64	24,34	352,92	0,93	13,49
35,00	1,38	3,60	0,14	7,62	110,46	22,85	331,37	0,93	13,49
38,00	1,50	3,60	0,14	7,15	103,71	21,46	311,14	0,93	13,49
40,00	1,57	3,60	0,14	6,86	99,45	20,58	298,34	0,93	13,49
45,00	1,77	3,60	0,14	6,17	89,53	18,52	268,60	0,93	13,49
51,00	2,01	3,60	0,14	5,44	78,93	16,33	236,80	0,93	13,49
60,00	2,36	4,00	0,16	4,51	65,34	13,52	196,02	0,70	10,15
63,50	2,50	4,00	0,16	4,19	60,71	12,56	182,13	0,70	10,15
70,00	2,76	4,00	0,16	3,65	52,96	10,96	158,89	0,70	10,15
76,00	2,99	4,00	0,16	3,22	46,69	9,66	140,08	0,70	10,15
82,00	3,23	4,00	0,16	2,84	41,17	8,52	123,50	0,70	10,15
90,00	3,54	4,00	0,16	2,40	34,80	7,20	104,40	0,70	10,15
102,00	4,02	4,00	0,16	1,87	27,05	5,60	81,14	0,70	10,15
114,00	4,49	4,00	0,16	1,45	21,02	4,35	63,07	0,70	10,15
127,00	5,00	4,50	0,18	1,10	16,00	3,31	48,00	0,70	10,15
203,00	7,99	4,50	0,18	0,65	9,47	1,96	28,40	0,70	10,15



*1 Thickness global value (A)