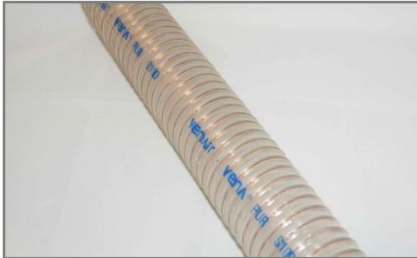


## VENA TECHNIPUR X S100

Ref: DO 03.10 FT 278. Rev. 10  
Date: 12/11/2015



### 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 and when a low electrical surface resistance is required. 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.
- German BfR Standard Recommendation XXXIX

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

### 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  $\mu\text{m}$  (or 0.5  $\mu\text{m}$  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.
- The polyurethane material has an electrical surface resistivity, according to IEC/TS 60079-32-1, of  $<10^9$  [ $\Omega \cdot \text{m}$ ].

### Construction

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

Alternative:

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

## VENA TECHNIPUR X S100

Ref: DO 03.10 FT 278. Rev. 10  
Date: 12/11/2015

### Technical Specifications

Inner Diameter		Wall thickness		Working Pressure ISO 1402/2009		Bursting Pressure ISO 1402/2009		Vacuum Resistance ISO 7233/2006	
<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	10,73	155,51	32,18	466,54	0,50	7,25
25,00	0,98	3,60	0,14	9,75	141,43	29,26	424,29	0,50	7,25
30,00	1,18	3,60	0,14	8,83	128,02	26,49	384,06	0,50	7,25
32,00	1,26	3,60	0,14	8,47	122,85	25,42	368,54	0,50	7,25
35,00	1,38	3,60	0,14	7,95	115,29	23,85	345,87	0,50	7,25
38,00	1,50	3,60	0,14	7,45	107,98	22,34	323,93	0,50	7,25
40,00	1,57	3,60	0,14	7,12	103,24	21,36	309,71	0,50	7,25
45,00	1,77	3,60	0,14	6,34	91,86	19,01	275,58	0,50	7,25
51,00	2,01	3,60	0,14	5,46	79,10	16,37	237,30	0,50	7,25
60,00	2,36	3,60	0,14	4,26	61,79	12,78	185,36	0,50	7,25
63,50	2,50	3,60	0,14	3,84	55,64	11,51	166,93	0,50	7,25
70,00	2,76	3,60	0,14	3,11	45,12	9,34	135,36	0,50	7,25
76,00	2,99	3,60	0,14	2,51	36,42	7,54	109,26	0,50	7,25
82,00	3,23	3,60	0,14	1,98	28,69	5,94	86,08	0,50	7,25
90,00	3,54	3,60	0,14	1,37	19,91	4,12	59,73	0,50	7,25
102,00	4,02	3,60	0,14	0,69	9,98	2,06	29,94	0,50	7,25
114,00	4,49	3,60	0,14	0,27	3,95	0,82	11,84	0,50	7,25
127,00	5,00	3,60	0,14	0,12	1,81	0,37	5,43	0,50	7,25
152,00	5,98	3,60	0,14	N/A	N/A	N/A	N/A	N/A	N/A
180,00	7,09	3,60	0,14	N/A	N/A	N/A	N/A	N/A	N/A
203,00	7,99	3,60	0,14	N/A	N/A	N/A	N/A	N/A	N/A
220,00	8,66	3,60	0,14	N/A	N/A	N/A	N/A	N/A	N/A
225,00	8,86	3,60	0,14	N/A	N/A	N/A	N/A	N/A	N/A
254,00	10,00	3,60	0,14	N/A	N/A	N/A	N/A	N/A	N/A
302,00	11,89	3,60	0,14	N/A	N/A	N/A	N/A	N/A	N/A

\*N/A: Not Available