

ID	OD	WALL	ID	OD	WALL	PUMP SIZE*	PURE
METRIC (MM)			IMPERIAL (INCHES)				
0,8	2,4	0,8	1/32	3/32	1/32		x
0,8	4	1,6	1/32	5/32	1/16	13	x
1,6	3,2	0,8	1/16	1/8	1/32		x
1,6	4,8	1,6	1/16	3/16	1/16	14	x
2,4	4	0,8	3/32	5/32	1/32		x
2,4	5,6	1,6	3/32	7/32	1/16		x
3,2	4,8	0,8	1/8	3/16	1/32		x
3,2	6,4	1,6	1/8	1/4	1/16	16	x
3,2	7,9	2,4	1/8	5/16	3/32	120	x
3,2	9,5	3,2	1/8	3/8	1/8		x
4	7,1	1,6	5/32	9/32	1/16		x
4	5,6	0,8	5/32	7/32	1/32		x
4	8,7	2,4	5/32	11/32	3/32		x
4,8	6,4	0,8	3/16	1/4	1/32		x
4,8	7,9	1,6	3/16	5/16	1/16	25	x
4,8	9,5	2,4	3/16	3/8	3/32	15	x
4,8	11,1	3,2	3/16	7/16	1/8	123	x
6,4	7,9	0,8	1/4	5/16	1/32		x
6,4	9,5	1,6	1/4	3/8	1/16	17	x
6,4	11,1	2,4	1/4	7/16	3/32	24	x
6,4	12,7	3,2	1/4	1/2	1/8	26	x
7,9	11,1	1,6	5/16	7/16	1/16	18	x
7,9	12,7	2,4	5/16	1/2	3/32	121	x
7,9	14,3	3,2	5/16	9/16	1/8		x
9,5	12,7	1,6	3/8	1/2	1/16		x
9,5	14,3	2,4	3/8	9/16	3/32	122	x
9,5	15,9	3,2	3/8	5/8	1/8	73	x
11,1	14,3	1,6	7/16	9/16	1/16		x
12,7	15,9	1,6	1/2	5/8	1/16		x
12,7	17,5	2,4	1/2	11/16	3/32	19	x
12,7	19,1	3,2	1/2	3/4	1/8	82	x
15,9	22,2	3,2	5/8	7/8	1/8		x
19,1	25,4	3,2	3/4	1	1/8	90	x
19,1	28,6	4,8	3/4	11/8	3/16		x
25,4	31,8	3,2	1	11/4	1/8		x
25,4	34,9	4,8	1	13/8	3/16	92	x
25,4	38,1	6,4	1	11/2	1/4		x

# VENA® BIO PURE



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## MATERIAL

Platinum cured silicone.

Materials in contact with food  
EU 1935/2004



## TEMPERATURE SCALE:

-60°C / +220°C  
(-76°F / +428°F)



**HARDNESS:** 50ShA

## TEST PROTOCOL

ADCF

P / BPA

BSE / TSE

EU 10/2011

EU 1935/2004

BfR XV

FDA 21 CFR 177.2600

FDA 21 CFR 177.1550

USP 87

USP 88

Hemolysis ISO 10993-4

Cytotoxicity ISO 10993-5

Local effects after implantation ISO 10993-6

Irritation and delayed type hypersensitivity ISO 10993-10

<b>APPLICATIONS</b>	<p>Specially recommended to convey liquid or semi-liquid fluids in the food, pharmaceutical, cosmetic and chemical industries.</p> <p>The conveyed product is visible through the hose due to its transparent appearance.</p>
<b>CONSTRUCTION</b>	<p>This hose is made with platinum-catalyzed silicone. The silicone rubber compound is VMQ type (Vinyl-Methyl Quality).</p> <p>Can be equipped with 316L stainless steel fittings on each end with a rugosity value of less than 0.8µm (or 0.5µm upon request).</p>
<b>APPEARANCE</b>	<p>High level of transparency and smooth inner appearance. Translucent and smooth outer appearance.</p>
<b>TEMPERATURE</b>	<p>Operational temperature range from -60°C (-76°F) to +180°C (356°F). It may reach up to 200°C (392°F) during short periods of time.</p>
<b>DIMENSIONS</b>	<p>The standard manufacturing length is 25 meters (82.02ft), although it can be manufactured in any required length.</p> <p>Diameters (in mm): 0.79,1.59,2.38,3.18,4.76,6.35,7.93,9.52,11.11,12.70,15.80,19.05,25.40,32.00,38.00</p> <p>Diameters (in inch): 1/32,1/16,3/32,1/8,3/16,1/4,5/16,3/8,7/16,1/2,5/8,3/4,1,1 1/4,1 1/2</p>
<b>PRESSURE</b>	<p>This type of hose is not recommended for operation with negative pressure (vacuum).</p>
<b>CERTIFICATES</b>	<ul style="list-style-type: none"> <li>- Not recommended for conveying abrasive particles.</li> <li>- FDA 21 CFR 177.2600 "Rubber articles intended for repeated use"</li> <li>- ResAP 2004 (4), according to European Regulation CE 1935/2004, and Reg 10/2011/ECC (migration tests)</li> <li>- Analysis of silicone hose material according to BfR recommendation XV</li> </ul>

## VENA® TECHNOEX

Inner Diameter		Outer Diameter	
<i>mm</i>	<i>inch</i>	<i>mm</i>	<i>inch</i>
0.79	0.03	2.38	0.09
0.79	0.03	3.96	0.16
1.59	0.06	3.18	0.13
1.59	0.06	4.76	0.19
2.38	0.09	3.96	0.16
2.38	0.09	5.55	0.22
3.18	0.13	7.90	0.31
3.18	0.13	4.76	0.19
3.18	0.13	6.30	0.25
3.18	0.13	9.52	0.37
4.76	0.19	7.90	0.31
4.76	0.19	9.52	0.37
4.76	0.19	6.30	0.25
4.76	0.19	11.11	0.44
6.35	0.25	7.90	0.31
6.35	0.25	9.52	0.37
6.35	0.25	11.11	0.44
6.35	0.25	12.70	0.50
7.93	0.31	11.11	0.44
7.93	0.31	12.70	0.50
7.93	0.31	14.30	0.56
9.52	0.37	12.70	0.50
9.52	0.37	14.30	0.56
9.52	0.37	15.90	0.63
11.11	0.44	14.30	0.56
11.11	0.44	15.87	0.62
12.70	0.50	15.90	0.63
12.70	0.50	17.50	0.69
12.70	0.50	19.00	0.75
15.80	0.62	20.63	0.81
15.80	0.62	22.20	0.87
19.05	0.75	25.40	1.00
25.40	1.00	32.00	1.26
32.00	1.26	38.00	1.50
38.00	1.50	51.00	2.01

**IMPORTANT:**

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. Limited Warranty: For a period of 6 months from the date of sale, VENAIR warrants this product to be free from defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use, this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized. VENAIR assumes no obligations or liability for any advice furnished by it, or for results obtained with respect to those products. All such advice is given and accepted at the buyer's risk.

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