

# VENA TECHNOSIL

**Elastomer:** Extruded platinum cured silicone produced in accordance with the U.S. FDA Standard 21 CFR 177.2600, the German BfR Standard part XV, and optionally the USP class VI Standard.

**Fabric reinforcement:** Polyester braiding.

**Stainless steel inside:** No

**Inner appearance:** Translucent and smooth.

**Outer appearance:** Translucent or colored, and smooth.

**Standard length of manufacture:** 10m and 20m.

**Temperature scale:** -60° C / +180° C (-76° F / 356° F).

INNER DIAMETER		OUTER DIAMETER	WORKING PRESSURE* ISO 1402/1994		BURSTING PRESSURE* ISO1402/1994		BENDING RADIUS
(mm)	(inch)	(mm)	bar at 20°C	psi at 68°F	bar at 20°C	psi at 68°F	(mm) ISO1746/1983
6,35	1/4	13,2	9,3	135,4	28	406	40
7,93	5/16	15,0	7,7	111,2	23	334	45
9,52	3/8	16,6	7,0	101,5	21	305	55
12,70	1/2	20,3	5,7	82,2	17	247	70
15,87	5/8	24,5	4,3	62,9	13	189	85
19,05	3/4	27,9	3,7	53,2	11	160	95
22,22	7/8	31,3	3,3	48,3	10	145	110
25,40	1	34,5	3,0	43,5	9	131	135
31,75	1 1/4	40,8	2,3	33,8	7	102	160



**Applications:** For conveying liquids at low pressure where a tight bending radius is not required.

Ideal for use in proportioning and loading tanks in any length.

These hoses compensate vibrations and level differences.

It is not recommended for vacuum.

**Silicone material option:**

- FDA / BfR part XV platinum cured
- USP Class VI platinum cured

\*Pressure data is noted at ambient temperature of 20°C / 68°F. Please reduce pressure values by 20% for each increase of 100°C / 212°F.



# VENA TECHNOSIL H-PTV

**Elastomer:** Extruded platinum cured silicone hose produced in accordance with the U.S. FDA Standard 21 CFR 177.2600 and the German BfR Standard part XV.

**Fabric reinforcement:** Fiberglass braiding.

**Stainless steel inside:** No

**Inner appearance:** Translucent and smooth.

**Outer appearance:** Orange and smooth.

**Standard length of manufacture:** 10 and 20m

**Temperature scale:** -60° C / +200° C (-76° F / +392° F).

**Applications:** For conveying liquids at high temperature where a tight bending radius is not required.

Ideal for use in proportioning and loading tanks in any length.

These hoses compensate vibrations and level differences.

Although it is not specially designed for vacuum, it can withstand a low vacuum.

**Silicone material option:**

- FDA / BfR part XV platinum cured.

INNER DIAMETER		OUTER DIAMETER	WORKING PRESSURE* ISO 1402/1994		BURSTING PRESSURE* ISO1402/1994		BENDING RADIUS
(mm)	(inch)	(mm)	bar at 20°C	psi at 68°F	bar at 20°C	psi at 68°F	(mm) ISO1746/1983
3,00	1/8	8,00	23,33	338,42	70	1015,26	30
4,00	5/32	9,00	21,67	314,25	65	942,75	35
5,00	3/16	11	20,66	299,65	62	899,23	40
6,35	1/4	12	18,66	270,64	56	812,21	45
7,93	5/16	15	15,33	222,34	46	667,17	55
9,52	3/8	17	14	203,05	42	609,16	70
12,70	1/2	22	11,33	164,33	34	493,13	85
15,87	5/8	25	10	145,04	30	435,11	95
19,05	3/4	31	7,33	106,31	22	319,08	135
22,20	7/8	31,30	6,66	96,60	20	290,08	141
25,40	1	38	6	87,02	18	261,07	160
31,75	1 1/4	46	5	72,52	15	217,56	200

\*Pressure data is noted at ambient temperature of 20°C / 68°F. Please reduce pressure values by 20% for each increase of 100°C / 212°F.

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