CSKS – TECHNOSIL H-PTV

CONSTRUCTION :
VMQ platinum silicone hose (Vinyl Methyl Quality) in compliance with FDA 21 CFR 1772600 and BGA Class XV, in compliance with USP Class VI (United State Pharmacopoeia) Manufactured by extrusion with inner polyester fibre braiding, The hose enables operation under pressure. This hose may also be manufactured with NOMEX* fibre enabling withstanding higher temperature. The inner layer is made of translucent silicone and the outer of orange silicone.

Inner surface: Translucent or white and smooth.

Outer surface: Translucent, white or in color and smooth.

Reinforcement: Polyester fibers

Temperature: The recommended working temperatures is between -55ºC to 220ºC

Hardness: 60 shores ±5

Manufacturing Length: Standard length is 10 or 20 meters (on request, 50m length in some dimensions)

Application: For carrying any kind of liquid, especially for the Pharmaceutical & Biotech industries, at high temperatures and under certain pressure. Although it has not been specially designed for this purpose, due to its high resistance it can work in void conditions.

The structure of the hose cannot withstand vacuum.

Dimension: 10m or 20m long (for specific diameters up to 50m long) in the following diameters:
3.00, 4.00, 5.00, 6.35, 7.93, 9.52, 12.7, 15.87, 19.05, 22.22, 25.40, 31.75 mm.

Properties: These Hoses are usually translucent. However, in order to distinguish the products conveyed through the tube, they can also be manufactured so that the outer of the Hose is as per the desired color

Hoses can be sterilized with hot air at +250ºC (+482ºF) or steam at +135ºC (+275ºF), at 3.5bar.
Maximum recommended time: 1 hr 30m. at +135ºC (+275ºF)

Inner diameter mm	Wall Thickness mm	External diameter mm	Volume expansion at operating pressure	Operating pressure	Burst pressure	Bending radius mm	Weight per /meter (g/m)
	Tolerance ±0.50			*(bar) à 20°C / (bar) at 20°C			±5%
3.00	2.50	8.00		23.3	70	30	55
4.00	2.50	9.00		21.6	65	35	65
5.00	3.00	11.00		20.6	62	40	95
6,35	2.83	12.00	7,68%	18.6	56	45	105
7,93	3.54	15.00		15.3	46	45	160
9,52	3.74	17.00		14	42	70	190
12,7	4.65	22.00	7,42%	11.3	34	85	300
15,87	4.57	25.00		10	30	95	370
19,05	5.98	31.00	9,96%	7.3	22	135	570
25,4	6.30	38.00		6	18	160	740
31,75	7.13	46.00	14,43%	5	15	200	1020

we can provide any other customized diameters (please fell free to contact us)
Reduce the specified pressure by 20% by 100°C-increment in temperature

The specifications or design are subject to change without prior notice.