



Platinum cured silicone hose with stainless steel helix

The platinum cured silicone hose with stainless steel helix and fabric inlays is characterised by its high resistance to media and was specially developed for use in pharmaceutical production plants.

Silicone hose type NeoSil 1000B-HP

The translucent silicone hose type NeoSil 1000B-HP owes its name to its high-purity design. The entire silicone hose* is manufactured in an Class 8 clean room, according to ISO 14644 ensuring it meets the highest standards of cleanliness, hygiene and ease of cleaning.

Between the hose liner and the cover there are fabric inlays combined with a stainless steel helix, which give the silicone hose the required stability and pressure resistance. In addition, the platinum cured liner ensures optimal chemical resistance. The silicone hose with stainless steel helix is resistant to heat, abrasion, ozone and weathering. During production, the hose liner is seamlessly extruded using a special process, which allows longer hoses featuring a particularly smooth inner surface to be produced. This means that our platinum cured silicone hose with stainless steel helix is also available in longer lengths.

Due to its premium composition, the silicone hose with stainless steel helix is used in the pharmaceutical, cosmetics and food industries to connect pipelines, plant components and reactors.

The silicone hose type NeoSil 1000B HP is completely traceable by reference to the lot number on the cover and, in the case of prefabricated pipelines, by reference to the lot number and an additional serial number on the crimp collar.

*The hose consists of the liner, fabric inlays, wire helix and cover (without fittings).

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All around convincing.



Technical specifications

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DN mm / inch		Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
12	1⁄2	13.0	24.0	12	0.42	45
16	5⁄8	16.0	27.0	12	0.48	55
20	3⁄4	19.0	30.0	10	0.53	65
25	1	25.0	36.0	10	0.67	90
32	1¼	32.0	43.0	9	0.84	95
40	1½	38.0	51.0	8	0.98	100
50	2	51.0	64.0	6	1.34	155

*All data listed are based on many years of experience at Neotecha and are stated to the best of our knowledge, however, all liability on our part is excluded. Subject to change.

p-T diagram



Structure

Core	Silicone, platinum cured			
Cover	Silicone, platinum cured			
Braiding	N/A			
Fittings	Crimped			
Inserts	Fabric inlay, stainless steel helix			
Temperature	-60 °C / +200 °C			
Vacuum	At 20 °C: 200 mbar absolute			
Max. length	40 m			
Standard/ approval	FDA CFR 21 PART 177.2600, USP XXXVI class VI, European Regulation 1935/2004/CE, European Pharmaco- poeia 3.1.9 Ed. VIII / 2014, BfR Rec- ommendation XV, ISO 10993 – 4:2017, 5:2009, 12:2012, 3A Sanitary Standard Class I, Arrêté du 25 novembre 1992, Japan Ministry of Health and Welfare Notice No. 370, 1959, No. 201, 2006 and revision 2012			