



**CLEAN
ROOM**
Class 8

Smooth PTFE hose with silicone cover

The smooth PTFE hose features a white silicone cover, a stainless steel helix and fabric inlays. Proven areas of application include the chemical, pharmaceutical and the food industry.

The entire hose* is manufactured in an Class 8 clean room, according to ISO 14644 ensuring it meets the highest standards of cleanliness and hygiene.

PTFE hose type SilTef

The smooth PTFE hose with silicone cover is suitable as a suction and transport hose for food, pharmaceutical and cosmetic products, as well as chemicals (except chlorine trifluoride, chlorine and fluoride gases, difluorine dioxides, phosgene and molten alkali metals). The smooth liner ensures a higher flow rate and lower pressure drop than a corrugated PTFE hose.

The hose type SilTef is very flexible, virtually kinking-resistant and easy to clean both inside and out. The white silicone cover is resistant to heat, aging and ozone, making it ideal for use in pharmaceutical plants.

Our PTFE hose type SilTef 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 serial number on the crimp collar.

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

Technical specifications

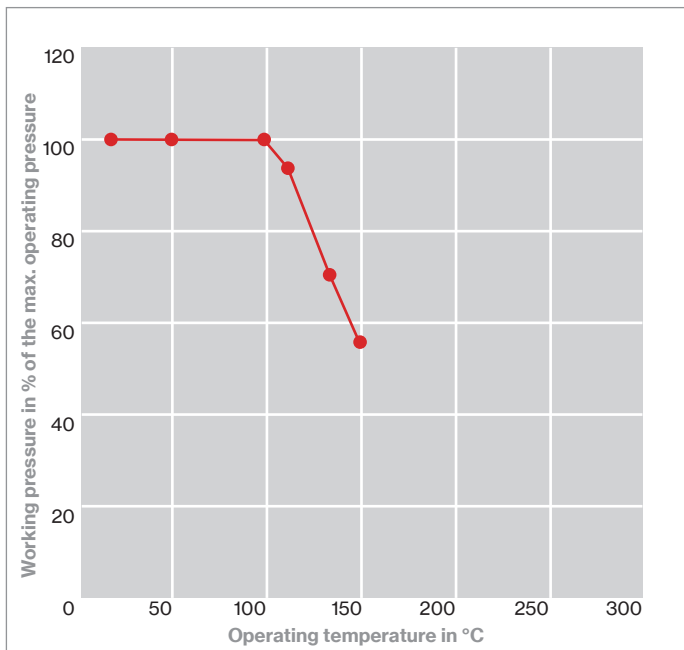
PTFE hose type SilTef

DN mm / inch		Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
12	½	13.0	24.0	10	0.47	45
20	¾	19.0	30.0	10	0.61	70
25	1	25.0	36.0	10	0.76	90
32	1¼	32.0	43.0	8	0.93	120
40	1½	38.0	50.0	7	1.26	140
50	2	50.0	62.0	7	1.60	180
65	2½	63.5	79.5	6	2.69	320
80	3	75.0	91.0	5	3.24	380
100	4	100.0	117.0	4	5.06	580

DN 10 on request.

*All values are stated for a temperature of 20 °C.

p-T diagram



Structure

Core	PTFE
Cover	Silicone
Braiding	N/A
Fittings	Crimped
Inserts	Fabric inlays with two stainless steel helices
Temperature	-40 °C / +150 °C
Vacuum	At 20 °C: 100 mbar absolute
Max. length	40 m, from DN 65: 10 m
Standard/ approval	FDA 21 CFR 177.1550, USP XXIII Class VI, ISO 10993 Part 5,10,11: 2009, 10/2011/CE, BFR CHAP XV, European Regulation 1935/2004/CE, 3A Sanitary Standard Class II

DS-075-02

*All data are based on our previous experience and are provided to the best of our knowledge. However, they do not constitute any liability on our part. Changes are reserved at all times.