

## PTFE convoluted hose with stainless steel braiding and silicone cover

Our PTFE hose type NFR-S is a convoluted PTFE hose with stainless steel braiding and a silicone cover.

These components give the hose high chemical resistance, thermal stability and elasticity. The cover also provides protection against damage caused by protruding metal strands and is outstanding when it comes to cleaning.

### **PTFE hose typ NFR-S**

This convoluted PTFE hose with its stainless steel braiding and silicone cover is often used in control applications involving high temperature and pressure. This is the preferred design in the food industry as well as in the pharmaceuticals industry.

A smooth silicone cover is cured onto the stainless steel wire braiding. The cover made of silicone has high thermal stability and allows for easy cleaning of the surface.

We can offer a variety of fittings and materials for all our PTFE hoses and are pleased to respond flexibly to customer requests. Complete traceability is ensured by the serial number on the crimp collar.

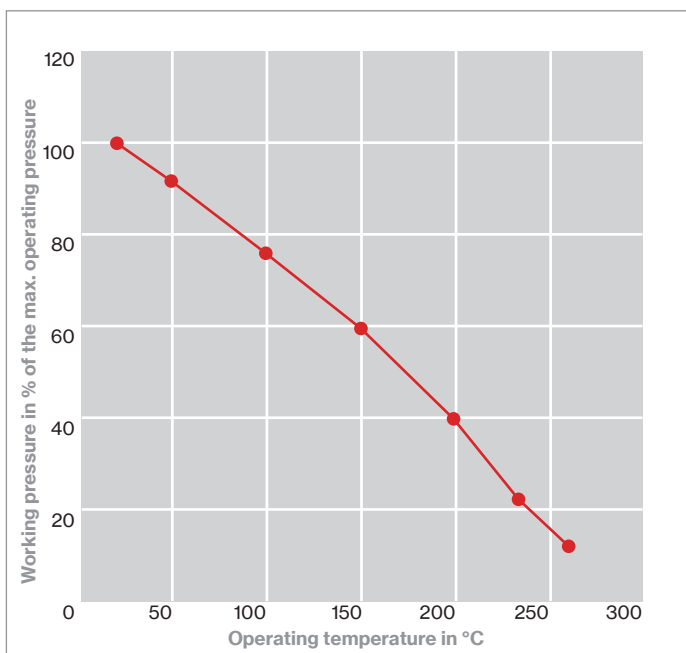
# Technical specifications

## PTFE hose typ NFR-S

DN mm / inch		Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
12	½	11.6 – 13.6	26.9	60	0.14	50
20	¾	19.5 – 20.5	42.6	60	0.39	55
25	1	24.5 – 25.5	48.2	40	0.54	85
32	1¼	31.5 – 32.5	55.9	40	0.68	100
40	1½	36.5 – 37.5	61.2	35	1.11	120
50	2	49.5 – 50.5	74.5	25	1.71	165

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

## p-T diagram



## Structure

Core	PTFE
Cover	Silicone
Braiding	Stainless steel wire braiding
Fittings	Crimped or flared
Inserts	N/A
Temperature	-70 °C / +260 °C
Vacuum	At 20 °C: 126.25 mbar absolute
Max. length	10 m, longer lengths on request
Standard/ approval	FDA 21 CFR 177.1550, USP XXXVI Class VI, EC 1935/2004, free of TSE & BSE

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