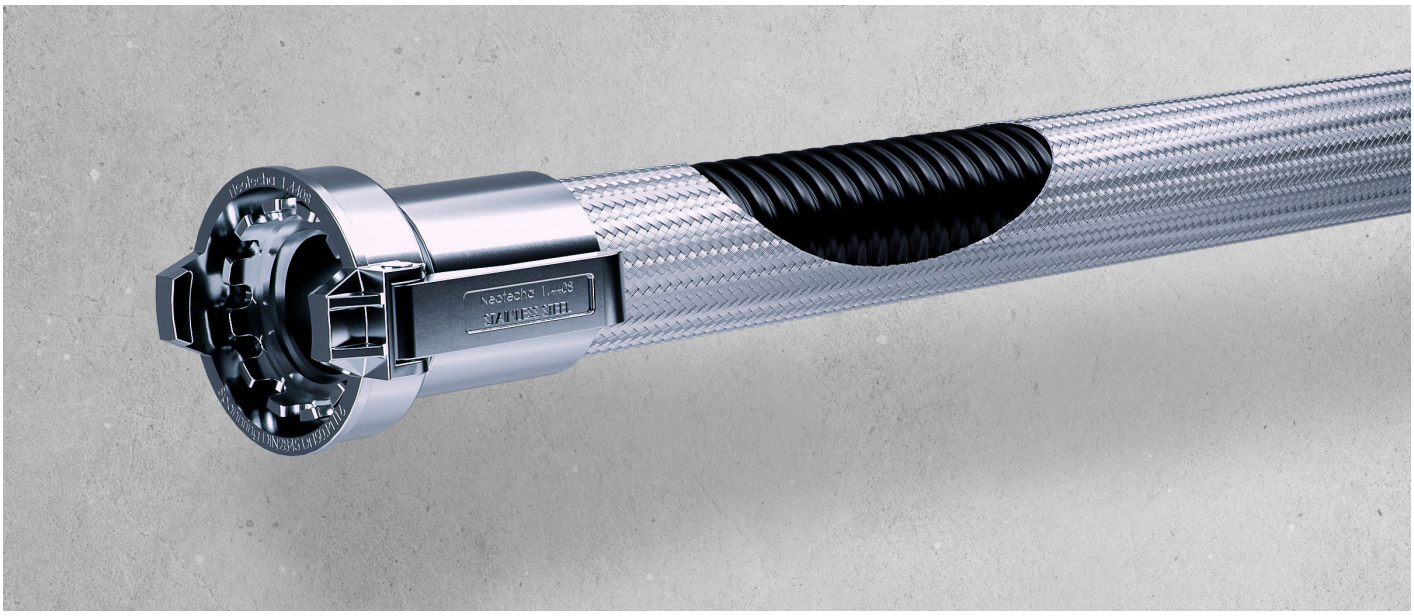
neotecha®
thinking forward
in industrial hoses



Conductive PTFE convoluted hose with stainless steel braiding

Our conductive convoluted PTFE hose with its stainless steel braiding is often used in high temperature and at high pressure.

The stainless steel wire braiding provides the PTFE convoluted hose with optimum protection.

PTFE hose type NFR-A

The PTFE hose type NFR-A features rugged stainless steel braiding. The hose liner consists of seamlessly extruded PTFE with an electrically conductive design; this makes the hose suitable for use in areas with a risk of explosion (EX zone 0). Thanks to these components, the hose guarantees high chemical resistance, thermal stability and elasticity, as well as weathering resistance.

Our conductive convoluted PTFE hose with its stainless steel braiding is used in applications that require outstanding heat resistance. In addition, the hose is very flexible and offers high resistance to solvents and other chemical substances.

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.

Neotecha GmbH
www.neo-techa.com
Gewerbeparkstraße 3
4615 Holzhausen/Austria
T. +43 7243 53084
office@neo-techa.com

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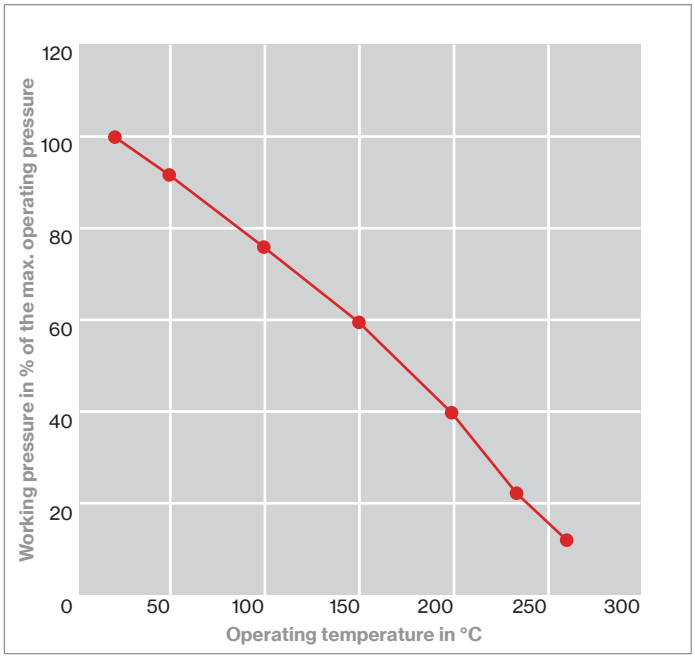
Technical specifications

PTFE hose type NFR-A

DN mm	DN 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	20.0	60	0.14	50
20	¾	19.5 – 20.5	31.4	60	0.39	55
25	1	24.5 – 25.5	38.2	40	0.54	85
32	1¼	31.5 – 32.5	46.1	40	0.68	100
40	1½	36.5 – 37.5	49.9	35	1.11	120
50	2	49.5 – 50.5	66.7	25	1.71	165
65	2½	62.5 – 63.5	89.1	16	2.14	230
80	3	73.5 – 74.5	99.6	14	3.31	260
100	4	94.5 – 99.5	127.5	10	4.05	300
150	6	150.0 – 154.0	189.0	6	5.55	520

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

p-T diagram



The operating pressure drops by 40% in a linear manner between 100 °C and 200 °C.

Structure

Core	Electrically conductive PTFE
Cover	N/A
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/ except DN 150: 459.25 mbar absolute at 20 °C
Max. length	10 m, longer lengths on request
Standard/ approval	FDA 21 CFR 178.3297, FDA 21 CFR 177.1550, USP XXXVI Class VI, free of TSE & BSE, EC 1935/2004

DS-088-01

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All around convincing.