

PTFE convoluted hose with stainless steel braiding

Our PTFE hose type NFR is a convoluted hose with stainless steel braiding.

This means that the hose guarantees high chemical resistance, thermal stability and elasticity, as well as weathering resistance.

PTFE hose type NFR

This PTFE convoluted hose with its stainless steel braiding is often used at high temperatures and pressures. The stainless steel wire braiding offers optimum protection for the PTFE convoluted hose.

Our convoluted PTFE hose type NFR is used in applications that require outstanding resistance to high and low temperatures. It is very flexible and offers high resistance to acids and alkali solutions.

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

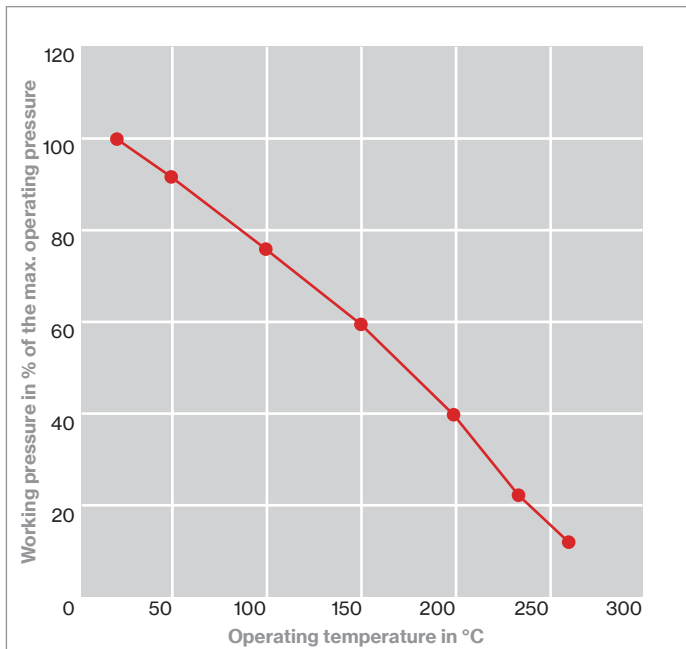
Technical specifications

PTFE hose type NFR

| 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 | 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 | 6.00 | 520 |

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

p-T diagram



Structure

| | |
|-----------------------|---|
| Core | 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/ex- cept DN 150: 459.25 mbar absolute at 20 °C |
| Max. length | 10 m, longer lengths on request |
| Standard/ approval | FDA 21 CFR 177.1550, USP XXXVI Class VI, free of TSE & BSE, EC 1935/2004 |

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