



PTFE convoluted hose

Our PTFE convoluted hoses combine optimum flexibility with easy handling. The translucent PTFE convoluted hose is mainly used where special pressures are not expected.

Typical applications include suction hoses for sampling, emptying barrels, or conveying gases and vapours at low pressures. The hose liner consists of seamless extruded PTFE.

PTFE convoluted hose type NW

Like all our hose assemblies, PTFE convoluted hose type NW is manufactured to the highest quality standards and from carefully selected materials. This ensures high reliability, temperature and chemical resistance, and low weight with maximum hose

flexibility. The wide convolutions ensure good self-cleaning properties when routing media.

We can offer a variety of fittings and materials for all our PTFE hoses and are pleased to respond flexibly to customer requests. In addition, our NW convoluted PTFE hose can be designed with smooth cylindrical ends. The serial number on the fitting ensures complete traceability of our hoses.

Technical specifications

PTFE convoluted hose type NW

DN mm / inch		Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
6	¼	5.5 – 6.9	9.9 – 11.5	4	0.05	50
12	½	11.6 – 13.6	16.4 – 18.2	4	0.07	50
16	⅝	15.1 – 16.4	21.2 – 23.2	3	0.10	65
20	¾	19.5 – 20.5	26.6 – 29.4	3	0.14	65
25	1	24.5 – 25.5	32.2 – 36.2	3	0.20	85
32	1¼	31.5 – 32.5	39.9 – 44.1	2.5	0.26	100
40	1½	36.5 – 37.5	44.6 – 49.4	2.5	0.38	120
50	2	49.5 – 50.5	57.9 – 64.1	2	0.52	165
65	2½	62.5 – 63.5	77.9 – 86.1	1.5	0.65	230
80	3	73.5 – 74.5	87.4 – 96.6	1.3	0.76	260
100	4	94.5 – 99.5	118.1 – 124.5	1	1.31	300
150	6	150.0 – 154.0	176.0 – 185.0	1	2.32	520

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

Structure

Core	PTFE
Cover	N/A
Braiding	N/A
Fittings	Crimped, flared or with smooth ends
Inserts	N/A
Temperature	-70 °C / +260 °C
Vacuum	At 20 °C: up to 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 177.1550, USP XXXVI Class VI, EC 1935/2004, free of TSE & BSE

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