

PTFE convoluted hose with stainless steel braiding and silicone cover

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

The anti-adhesive convoluted hose is weatherproof, resistant to aging, corrosion, vibration as well as to UV. The cover made of cured-on silicone has high thermal stability, allows for easy cleaning of the surface and also provides protection against damage caused by protruding metal strands.

PTFE hose type ECB-S

Our convoluted hose type ECB is manufactured within strict tolerances. The flat, round, spiral convolutions ensure a clean media flow, promote easy self-cleaning, and allow for maximum flexibility with a minimal bend radius.

Our convoluted PTFE hose with stainless steel braiding and silicone cover is deployed in many applications in the chemical and pharmaceutical industries.

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 of our hoses is ensured by the serial number on the crimp collar.

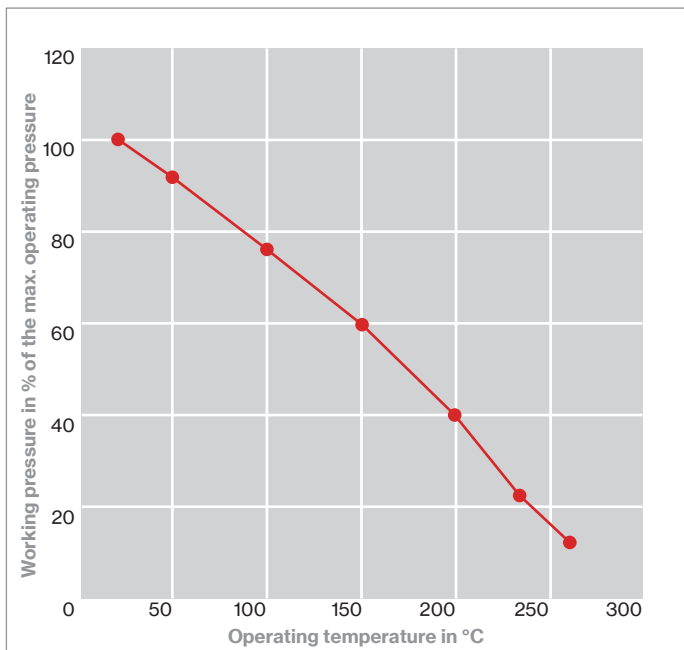
Technical specifications

PTFE hose type ECB-S

DN mm / inch		Inside Ø approx. [mm]	Outside Ø approx. [mm]	Operating pressure* max. [bar]	Weight [kg/m]	Bending radius [mm]
6	¼	6.1 – 6.7	15.6	172	0.34	18
8	⅝ ₁₆	7.9 – 8.5	18.45	138	0.40	25
10	⅜	9.5 – 10.2	19.46	138	0.43	25
12	½	12.45 – 13.08	24.67	103	0.59	25
16	⅝ ₈	15.7 – 16.38	27.10	83	0.63	51
20	¾	19.0 – 19.65	29.64	69	0.73	64
25	1	25.5 – 26.16	37.89	46	1.04	89

*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
Inserts	N/A
Temperature	-70 °C / +260 °C
Vacuum	N/A
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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