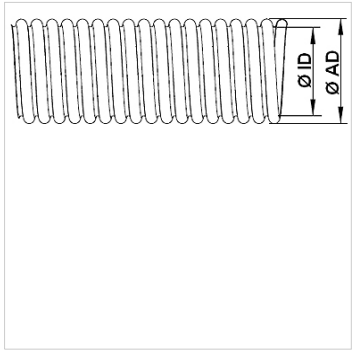
AFS
PTFE corrugated hose

HANSA-FLEX

Properties

Application	Low pressure applications with hydraulic fluids and aggressive media
Application	Mainly for the chemical and food industries
Design	coil-corrugated PTFE inliner in black PTFE antistatic design
Properties	The inliner flanged connection fittings impart good self-cleaning properties when media are passed through the hoses The through-led product is only in contact with the PTFE material
Hose material	PTFE (polytetrafluoroethylene)
Braiding	without braiding
Temp. min.	-70 °C
Temp. max.	260 °C
Temp.	applies for the hose only
Approval	the base material has been granted FDA approval.





Note

The pressure values listed apply to hoses only.
The tubular fabric has a safety factor (SF) 3 against bursting
From 120 °C the pressure reduction factor is to be taken into account.
(Max. operating pressure = operating pressure x factor).
Temp.: 120 °C / 140 °C / 160 °C / 180 °C / 200 °C / 220 °C
Factor: 1,00 / 0,80 / 0,60 / 0,40 / 0,20 / 0,00

Ordering information

AFSA design with 1.4301 / 1.4306 stainless steel braiding upon request.
AFSP design with polypropylene braiding (suitable for use up to max. 90°C) upon request.

Item

Identification	Internal Ø min. (mm)	Internal Ø max. (mm)	External Ø min. (mm)	External Ø max. (mm)	Wall thick-ness (mm)	Min. bending radius (mm)	OP at 20°C (stat.) (bar)	Vacuum (mbar)	Weight per m (kg)
AFS 006	5,5	6,9	9,9	11,5	0,52	25	4,0	744	0,047
AFS 010	8,5	10,5	13,2	14,7	0,62	25	4,0	744	0,058
AFS 013	11,6	13,6	16,4	18,2	0,82	50	4,0	887	0,072
AFS 016	15,1	16,4	21,2	23,2	0,88	65	3,0	887	0,097
AFS 020	19,5	20,5	26,6	29,4	1,00	55	3,0	887	0,142
AFS 025	24,5	25,5	32,2	36,2	1,10	85	3,0	887	0,194
AFS 032	31,5	32,5	39,9	44,1	1,15	100	2,5	887	0,258
AFS 040	36,5	37,5	44,6	49,4	1,45	120	2,5	887	0,377
AFS 050	49,5	50,5	57,9	64,1	1,50	165	2,0	887	0,522
AFS 065	62,5	63,5	77,9	86,1	1,60	230	1,5	887	0,654
AFS 080	73,5	74,5	87,4	96,6	1,60	260	1,3	887	0,765
AFS 100	94,5	99,5	118,1	124,5	1,82	300	1,0	887	1,310

Product versions

AFW	PTFE corrugated hose, coil-corrugated PTFE inliner in white PTFE

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