



Air/Fumes

A-KLIP KAPTON

Properties

- gas tight in both low and high pressure applications
- good vacuum resistance
- very high temperature resistance
- flame retardant, non melting Kapton® coating
- steel helix protects against external abrasion
- very flexible
- excellent chemical resistance
- high tensile strength between hose wall and external helix
- suitable for non-combustible dusts and gases of low conductivity acc. to TRGS 727 (zone 1, 21). Helix ends must be earthed at both sides and helix pitch must be < 30 mm to ensure static dissipation (see register no. 28.12)
- RoHS compliant

Applications

- fume extraction at low pressures
- vehicle & engine construction
- exhaust fume extraction from dynamometers in motor vehicle industries
- extraction of corrosive gases in high temperature environments

Construction

- one side Kapton® laminated glass fibre fabric wall with external galvanised steel helix



Code - A8C10....

Base Material - HT TEXTILES

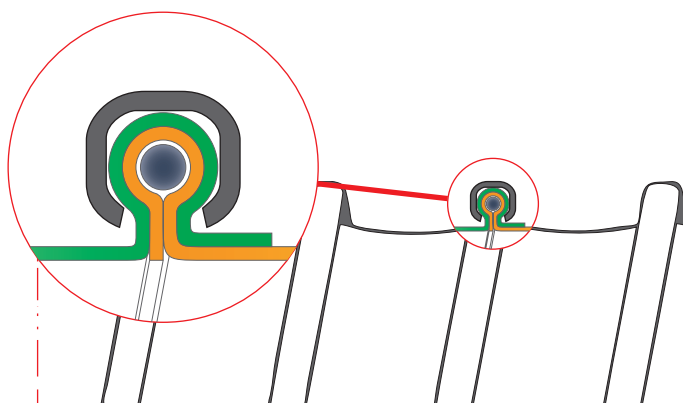
Operating Temperature - -260 ÷ +400 °C

Pressure - 0,010 ÷ 0,90 bar

Vacuum - 0,025 ÷ 3,75 mth2O

Diameter Range - 50 ÷ 900 mm and over

Key feature - Hardly flammable, Spiral hose





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Standard production

- diameter 50÷900
- colour: outside white, inside yellow-gold
- production lengths: 3 m and 6 m

Available on request

- special diameter up to 2000 mm
- special lengths up to ca. 15 m
- two layer construction with raised vacuum resistance (ca. 30 % more than the single layer standard hose type)
- custom design with other pitches and/or helix sizes
- external helix also in stainless steel (1.4512 or 1.4301) or aluminium

inner Ø	working pressure	vacuum	bending radius	weight
mm	bar	mtH ₂ O	mm	kg/m
50	0,900	3,755	30	0,80
55	0,815	3,325	33	0,80
60	0,700	3,020	36	0,80
65	0,625	2,840	39	0,90
70	0,550	2,510	42	0,90
75	0,500	2,425	45	0,90
80	0,450	2,170	48	1,00
90	0,400	1,985	54	1,00
100	0,350	1,600	60	1,00
110	0,300	1,320	66	1,10
120	0,280	1,120	72	1,10
125	0,270	1,000	75	1,30
130	0,262	0,940	78	1,30
140	0,196	0,840	84	1,30
150	0,172	0,725	90	1,40
160	0,160	0,640	96	1,40
170	0,158	0,560	102	1,40
175	0,147	0,535	105	1,60
180	0,132	0,495	108	1,60
200	0,121	0,400	120	1,80
215	0,118	0,365	151	2,00
225	0,105	0,335	158	2,20
250	0,096	0,275	175	2,50
275	0,092	0,220	193	2,90
300	0,081	0,180	210	3,20
315	0,069	0,175	221	3,30
325	0,062	0,165	228	3,50
350	0,051	0,145	245	3,90
375	0,041	0,125	263	4,40
400	0,039	0,105	280	4,90
450	0,031	0,085	360	5,70
500	0,028	0,070	400	6,50
550	0,025	0,060	440	7,30
600	0,021	0,050	480	8,20
700	0,014	0,040	560	9,60
800	0,012	0,030	640	11,00
900	0,010	0,025	720	12,50

ATAG reserves the right to make changes without notice, by virtue of any quality improvements and/or product specifications • ott_17_rdb