



Air/Fumes



Antistatic
Conductive
Atex

A-KLIP PTFE H AS

Properties

- excellent chemical resistance
- PTFE film: surface resistivity $R_o < 10^6 \text{ Ohm}$
- optimum flow characteristics
- heat & cold resistant
- excellent weather, UV and ozone resistance
- highly flexible and vibration resistant
- compression ratio of 4:1
- outer hose wall of robust material
- inner hose wall with non stick surface
- steel helix protects against external abrasion
- high tensile strength between hose wall and external helix
- suitable for combustible dusts and gases acc. to TRGS 727 (zone 0, 20). Helix ends must be earthed at both sides, helix pitch must be $< 30 \text{ mm}$ and hose shall be connected to a static dissipative socket to ensure static dissipation (see register no. 28.12)
- RoHS compliant

Applications

- explosive environments where electrical conductivity is required
- corrosive / explosive gas and fume extraction
- chemical plants
- paint, wood and paper industries
- solvent extraction
- pharmaceutical industry
- low pressure applications

Construction

- inner layer of electrically conductive PTFE film, outer layer of Hypalon® coated polyester fabric with external galvanised steel helix



Code - A8C17.... HEL

Base Material - HT TEXTILES / PTFE

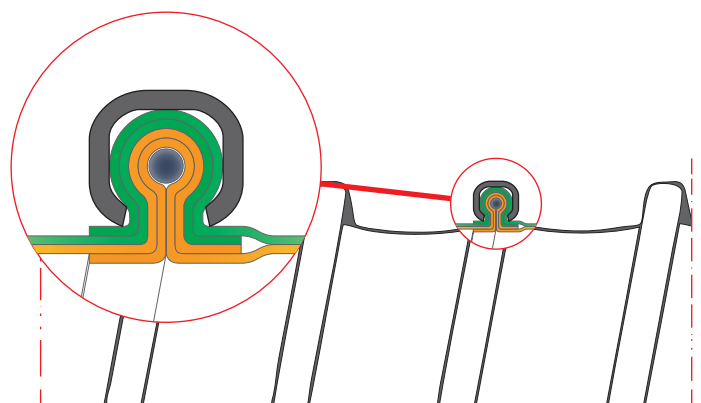
Operating Temperature - $-40 \div +175 \text{ }^\circ\text{C}$

Pressure - $0,016 \div 0,94 \text{ bar}$

Vacuum - $0,014 \div 5,28 \text{ mth20}$

Diameter Range - $38 \div 900 \text{ mm}$ and over

**Key feature - Excellent chemical resistance,
Spiral hose, Anti-static**





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Atex**A-KLIP PTFE H AS****Standard production**

- diameter 38÷900
- colour: black
- production lengths: 3 m and 6 m

Available on request

- special diameter up to 2000 mm
- special lengths up to ca. 15 m
- 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
38	0,940	5,280	23	0,50
40	0,930	5,170	24	0,50
45	0,920	4,840	27	0,50
50	0,900	4,400	30	0,50
55	0,850	3,630	33	0,50
60	0,780	3,060	36	0,60
65	0,680	2,610	39	0,70
70	0,670	2,250	42	0,70
75	0,620	1,960	45	0,80
80	0,610	1,720	48	0,80
90	0,560	1,360	54	0,90
100	0,510	1,100	60	1,00
110	0,480	0,920	66	1,10
120	0,360	0,770	72	1,10
125	0,330	0,710	75	1,20
130	0,280	0,650	78	1,20
140	0,250	0,570	84	1,30
150	0,220	0,490	90	1,30
160	0,210	0,430	96	1,30
170	0,190	0,390	102	1,40
175	0,185	0,370	105	1,40
180	0,172	0,350	108	1,40
200	0,148	0,280	120	1,60
215	0,128	0,250	151	1,80
225	0,115	0,220	158	2,00
250	0,100	0,180	175	2,10
275	0,080	0,150	193	2,30
300	0,070	0,130	210	2,40
315	0,062	0,110	221	2,60
325	0,059	0,105	228	2,80
350	0,056	0,090	245	3,30
375	0,050	0,080	263	3,50
400	0,047	0,070	280	3,80
450	0,045	0,055	360	4,20
500	0,043	0,045	400	4,70
550	0,042	0,040	440	5,30
600	0,039	0,033	480	5,90
700	0,031	0,022	560	6,90
800	0,022	0,018	640	7,60
900	0,016	0,014	720	8,20

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