



Air/Fumes



Antistatic
Conductive
Atex

A-KLIP PTFE S AS

Properties

- excellent chemical resistance
- PTFE film: surface resistance $RO < 10^6 \text{ Ohm}$
- heat and cold resistant
- excellent weather resistance
- highly flexible
- compression ratio of 4:1
- outer hose wall of robust material
- inner hose wall with non-stick surface
- optimum flow characteristics
- 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 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 mist extraction
- paint, wood and paper industries
- solvent extraction
- pharmaceutical industry
- low pressure applications

Construction

- inner layer of electrically conductive PTFE film with an outer layer of silicone coated glass fibre fabric and an external galvanised steel helix



Code - A8C17.... SEL

Base Material - HT TEXTILES / PTFE

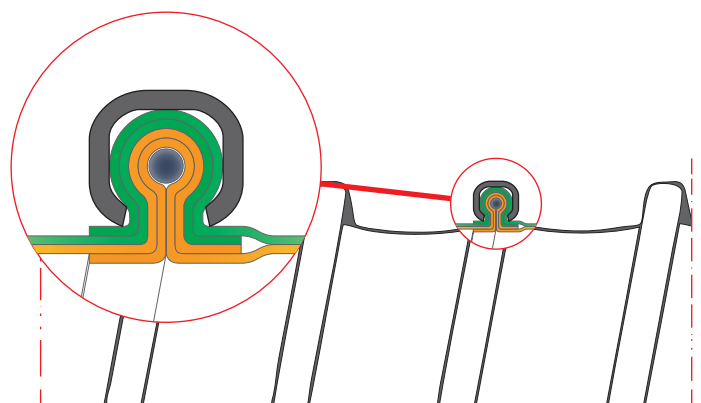
Operating Temperature - $-70 \div +250 \text{ }^{\circ}\text{C}$

Pressure - $0,009 \div 0,85 \text{ bar}$

Vacuum - $0,012 \div 3,52 \text{ mH2O}$

Diameter Range - $50 \div 900 \text{ mm}$ and over

Key feature - Spiral hose, Anti-static





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

- diameter 50÷900
- colour: inside black, outside silvergrey
- production lengths: 3 m and 6 m

Available on request

- special diameter up to 2000 mm
- special lengths
- 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	0,850	3,520	30	0,50
55	0,780	2,920	33	0,50
60	0,680	2,450	36	0,60
65	0,590	2,090	39	0,70
70	0,530	1,760	42	0,70
75	0,470	1,540	45	0,80
80	0,430	1,380	48	0,80
90	0,355	1,100	54	0,90
100	0,300	0,880	60	1,00
110	0,258	0,730	66	1,10
120	0,224	0,620	72	1,10
125	0,210	0,550	75	1,20
130	0,197	0,520	78	1,20
140	0,175	0,460	84	1,30
150	0,157	0,400	90	1,30
160	0,140	0,350	96	1,30
170	0,128	0,310	102	1,40
175	0,123	0,290	105	1,40
180	0,117	0,270	108	1,40
200	0,099	0,220	120	1,60
215	0,088	0,200	151	1,80
225	0,082	0,180	158	2,00
250	0,069	0,150	175	2,10
275	0,059	0,120	193	2,30
300	0,052	0,100	210	2,40
315	0,048	0,090	221	2,60
325	0,046	0,085	228	2,80
350	0,040	0,075	245	3,30
375	0,036	0,065	263	3,50
400	0,033	0,055	280	3,80
450	0,027	0,045	360	4,20
500	0,023	0,035	400	4,70
550	0,020	0,030	440	5,30
600	0,017	0,025	480	5,90
700	0,014	0,020	560	6,90
800	0,011	0,016	640	7,60
900	0,009	0,012	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