

Master-Clip PTFE S EL

Suction & Blower hose for corrosive media up to +250°C, electroconductive < 10⁶ Ohm



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: inner PTFE foil, electroconductive, outer layer: silicone-coated glass fabric

Applications

- Danger zones, which require electrically conductive hoses
- Suction and conveyance of aggressive media, explosive gases and fumes
- Solvent extraction
- Low pressure range
- Paint, wood and paper industry
- Pharmaceutical industry
- Chemicals industry

Properties

- excellent chemical resistance
- outer chafing protection spiral
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- PTFE-foil: surface resistance $R_o < 10^6 \text{ Ohm}$
- cold and heat resistant
- weather-proof
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- extremely compressable to approx. 1:4
- super lightweight
- highly flexible
- robust outer wall material
- anti-adhesive internal wall lining material
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- optimum medium flow characteristics
- smallest bending radii
- UV/ozone-proof

Temperature Range

- -70°C to +250°C
- peaks to +270°C

Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	production length	max. production length
	bar	bar	mm	kg		m	m
50	0,85	0,35	30	0,50	000373:50:x	3-10	10
55	0,78	0,29	33	0,50	000373:55:x	3-10	10
60	0,68	0,24	36	0,60	000373:60:x	3-10	20
65	0,59	0,21	39	0,70	000373:65:x	3-10	20
70	0,53	0,17	42	0,70	000373:70:x	3-10	20
75	0,47	0,15	45	0,80	000373:75:x	3-10	20
80	0,43	0,14	48	0,80	000373:80:x	3-10	20
90	0,355	0,11	54	0,90	000373:90:x	3-10	20
100	0,3	0,09	60	1,00	000373:100:x	3-10	20
110	0,258	0,07	66	1,10	000373:110:x	3-10	20
120	0,224	0,06	72	1,10	000373:120:x	3-10	20
125	0,21	0,05	75	1,20	000373:125:x	3-10	20
130	0,197	0,05	78	1,20	000373:130:x	3-10	20
140	0,175	0,05	84	1,30	000373:140:x	3-10	20
150	0,157	0,04	90	1,30	000373:150:x	3-10	20
160	0,14	0,03	96	1,30	000373:160:x	3-10	20
170	0,128	0,03	102	1,40	000373:170:x	3-10	20
175	0,123	0,03	105	1,40	000373:175:x	3-10	20
180	0,117	0,03	108	1,40	000373:180:x	3-10	20
200	0,099	0,02	120	1,60	000373:200:x	3-10	20
215	0,088	0,02	151	1,80	000373:215:x	3-10	15
225	0,082	0,02	158	2,00	000373:225:x	3-10	15
250	0,069	0,02	175	2,10	000373:250:x	3-10	15
275	0,059	0,01	193	2,30	000373:275:x	3-10	15
300	0,052	0,01	210	2,40	000373:300:x	3-10	15
315	0,048	0,01	221	2,60	000373:315:x	3-10	15
325	0,046	0,01	228	2,80	000373:325:x	3-10	15

350	0,04	0,01	245	3,30	000373:350:x	3-10	10
375	0,036	0,01	263	3,50	000373:375:x	3-10	10
400	0,033	0,01	280	3,80	000373:400:x	3-10	10
450	0,027	0,01	360	4,20	000373:450:x	3-10	10
500	0,023	0,01	400	4,70	000373:500:x	3-10	10
550	0,02	0,01	440	5,30	000373:550:x	3-10	6
600	0,017	0,01	480	5,90	000373:600:x	3-10	6
700	0,014	0,01	560	6,90	000373:700:x	3-10	6
800	0,011	0,01	640	7,60	000373:800:x	3-10	6
900	0,009	0,01	720	8,20	000373:900:x	3-10	5

All data refers to a medium and ambient temperature of +20 °C.

* Refers to the inner hose lining

Subject to technical changes and colour deviations.

Manufacturing and Delivery

- Available from stock in the above listed lengths and sizes.

Available on request

- Available on request in other lengths, sizes, colours, spiral intervals, with stainless steel spirals.