

Master-Clip PTFE H EL

Suction & Blower hose for corrosive media up to +175°C, electroconductive < 10⁶ Ohm



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: inner PTFE foil, electroconductive, outer layer: HYPALON®-coated polyester 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
-

- PTFE-foil: surface resistance $R_o < 10^6 \text{ Ohm}$
- vibration-proof
- 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

- -40°C to +175°C
- peaks to +190°C

Product Variations

DN	op. pressure	vacuum	bend radius	weight/m	article no.	production length	max. production length
	bar	bar	mm	kg		m	m
38	0,94	0,52	23	0,50	000369:38:x	3-10	25
40	0,93	0,51	24	0,50	000369:40:x	3-10	25
45	0,92	0,48	27	0,50	000369:45:x	3-10	25
50	0,9	0,43	30	0,50	000369:50:x	3-10	25
55	0,85	0,36	33	0,50	000369:55:x	3-10	25
60	0,78	0,3	36	0,60	000369:60:x	3-10	25
65	0,68	0,26	39	0,70	000369:65:x	3-10	25
70	0,67	0,22	42	0,70	000369:70:x	3-10	25
75	0,62	0,19	45	0,80	000369:75:x	3-10	25
80	0,61	0,17	48	0,80	000369:80:x	3-10	25
90	0,56	0,13	54	0,90	000369:90:x	3-10	25
100	0,51	0,11	60	1,00	000369:100:x	3-10	25
110	0,48	0,09	66	1,10	000369:110:x	3-10	25
120	0,36	0,08	72	1,10	000369:120:x	3-10	25
125	0,33	0,07	75	1,20	000369:125:x	3-10	25
130	0,28	0,06	78	1,20	000369:130:x	3-10	25
140	0,25	0,06	84	1,30	000369:140:x	3-10	25
150	0,22	0,05	90	1,30	000369:150:x	3-10	25
160	0,21	0,04	96	1,30	000369:160:x	3-10	25
170	0,19	0,04	102	1,40	000369:170:x	3-10	25
175	0,185	0,04	105	1,40	000369:175:x	3-10	25
180	0,172	0,03	108	1,40	000369:180:x	3-10	25
200	0,148	0,03	120	1,60	000369:200:x	3-10	25
215	0,128	0,03	151	1,80	000369:215:x	3-10	25
225	0,115	0,02	158	2,00	000369:225:x	3-10	25
250	0,1	0,02	175	2,10	000369:250:x	3-10	25

275	0,08	0,02	193	2,30	000369:275:x	3-10	20
300	0,07	0,01	210	2,40	000369:300:x	3-10	20
325	0,059	0,01	228	2,80	000369:325:x	3-10	20
350	0,056	0,01	245	3,30	000369:350:x	3-10	20
375	0,05	0,01	263	3,50	000369:375:x	3-10	20
400	0,047	0,01	280	3,80	000369:400:x	3-10	15
450	0,045	0,01	360	4,20	000369:450:x	3-10	15
500	0,043	0,01	400	4,70	000369:500:x	3-10	15
550	0,042	0,01	440	5,30	000369:550:x	3-10	10
600	0,039	0,01	480	5,90	000369:600:x	3-10	10
700	0,031	0,01	560	6,90	000369:700:x	3-10	10
800	0,022	0,01	640	7,60	000369:800:x	3-10	8
900	0,016	720	8,20	000369:900:x	3-10	8	

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.