

Master-Clip VITON® EL

Suction & Blower hose made from VITON-coated Polyester fabric, for corrosive media up to +210 °C, electroconductive $\leq 10^4 \Omega\text{m}$



Technical Drawing



Connections



Construction



Material

- clip profile spiral: hot-dip galvanised steel band
- wall: Viton®-coated polyester fabric, electrically conductive $\leq 10^4 \Omega\text{m}$

Applications

- Danger zones, which requires electro-conductivity acc. to TRGS
- Suction/extraction of aggressive media in medium temperature range
- Low pressure range
- Paint mist extraction
- Chemicals industry

Properties

- very good chemical resistance
- outer chafing protection spiral
- high temperature resistance
- surface resistance $< 10^4 \Omega\text{m}$
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- vibration-proof
- robust wall material
- withstands high mechanical loads
- high tension-proof connection of wall-lining and spiral via special clamp mechanism
- extremely compressable to approx. 1:6
- highly flexible
- approved according to TRGS 727 and ATEX 2014/34 EU. [Details according to certificate.](#)
- tear-proof
- smallest bending radii
- UV/ozone-proof
- extremely lightweight

Temperature Range

- -25°C to +210°C
- peaks to +240°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	0,47	23	0,40	000286:38:x	3-10	25
40	0,93	0,46	24	0,40	000286:40:x	3-10	25
45	0,92	0,43	27	0,40	000286:45:x	3-10	25
50	0,9	0,39	30	0,40	000286:50:x	3-10	25
55	0,85	0,32	33	0,40	000286:55:x	3-10	25
60	0,78	0,27	36	0,50	000286:60:x	3-10	25
65	0,68	0,23	39	0,50	000286:65:x	3-10	25
70	0,67	0,2	42	0,50	000286:70:x	3-10	25
75	0,62	0,18	45	0,60	000286:75:x	3-10	25
80	0,61	0,15	48	0,60	000286:80:x	3-10	25
90	0,56	0,12	54	0,60	000286:90:x	3-10	25
100	0,51	0,1	60	0,60	000286:100:x	3-10	25
110	0,48	0,08	66	0,70	000286:110:x	3-10	25
120	0,36	0,07	72	0,70	000286:120:x	3-10	25
125	0,33	0,06	75	0,80	000286:125:x	3-10	25
130	0,28	0,06	78	0,80	000286:130:x	3-10	25
140	0,25	0,05	84	0,80	000286:140:x	3-10	25
150	0,22	0,04	90	0,90	000286:150:x	3-10	25
160	0,21	0,04	96	0,90	000286:160:x	3-10	25
170	0,19	0,03	102	0,90	000286:170:x	3-10	25
175	0,185	0,03	105	1,00	000286:175:x	3-10	25
180	0,172	0,03	108	1,00	000286:180:x	3-10	25
200	0,148	0,03	120	1,20	000286:200:x	3-10	25
215	0,128	0,02	151	1,30	000286:215:x	3-10	25
225	0,115	0,02	158	1,40	000286:225:x	3-10	25
250	0,1	0,02	175	1,60	000286:250:x	3-10	25
275	0,08	0,01	193	1,90	000286:275:x	3-10	25
300	0,07	0,01	210	2,10	000286:300:x	3-10	25
325	0,059	0,01	228	2,50	000286:325:x	3-10	25

350	0,056	0,01	245	2,50	000286:350:x	3-10	25
375	0,05	0,01	263	2,90	000286:375:x	3-10	25
400	0,047	0,01	280	3,10	000286:400:x	3-10	25
450	0,045	0,01	360	3,60	000286:450:x	3-10	25
500	0,043	0,01	400	4,10	000286:500:x	3-10	25
550	0,042	0,01	440	4,60	000286:550:x	3-10	25
600	0,039	0,01	480	5,10	000286:600:x	3-10	20
700	0,031	0,01	560	6,00	000286:700:x	3-10	20
800	0,022	0,01	640	6,90	000286:800:x	3-10	20
900	0,016	0,01	720	7,80	000286:900:x	3-10	20

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.