

**Electrically conductive suction and blast hose; VITON® <math> < 10^4 \Omega</math>, super-light + compressible, Ø up to 1000 mm**

**Applications:** Electrically conductive suction and blast hose, especially suitable:

- for transporting inflammable bulk materials and in areas liable to contain explosive mixtures (explosion protection)
- for aggressive solids such as dust, powder and fibres
- for aggressive gaseous media such as vapors and smoke
- as bellows and compensator
- for de-dusting and suction plants

**Properties**

- according to German TRBS 2153 electrically conductive wall: Electrical and surface resistance <math> < 10^4 \Omega</math>, recommended for transporting inflammable bulk materials
- very good heat resistance
- highly flexible + compressible 4:1
- abrasion protection via external clamp profile
- firm clamping of the wall in clamp profile
- good resistance to mineral oils and gasoline
- good resistance to alkalis and acids
- good resistance to chemicals
- good resistance to UV and ozone
- small bending radius

- kink-proof
- light weight
- conforms to the requirements of the European ATEX Directive
- conform to RoHS guideline

**Temperature Range**

- -20 °C approx. to +210 °C approx.

**Design, material**

patented CP design

1. clamp profile supporting spiral: galvanised steel
2. wall: VITON® coated polyester fabric

I.D. mm	O.D. mm	Rec. operating limits		Bending Radius mm	Weight kg/m	Production Lengths m	Order No.
		Overpressure bar	Vacuum bar				
38	50	0,805	0,450	40	0,480	6	459-0038-0000
40	52	0,785	0,440	42	0,530	6	459-0040-0000
50	62	0,700	0,380	50	0,640	6	459-0050-0000
55	67	0,660	0,350	54	0,700	6	459-0055-0000
60	72	0,630	0,320	58	0,760	6	459-0060-0000
65	77	0,600	0,290	62	0,810	6	459-0065-0000
70	82	0,570	0,260	66	0,870	6	459-0070-0000
75	87	0,545	0,230	70	0,930	6	459-0075-0000
80	92	0,525	0,200	74	0,980	6	459-0080-0000
90	102	0,485	0,140	82	1,100	6	459-0090-0000
100	112	0,320	0,120	78	0,900	6	459-0100-0000
110	122	0,300	0,105	85	0,980	3,6	459-0110-0000
115	127	0,290	0,097	89	1,025	3,6	459-0115-0000
120	132	0,280	0,090	92	1,070	3,6	459-0120-0000
125	137	0,275	0,085	96	1,110	3,6	459-0125-0000
130	142	0,270	0,075	99	1,150	3,6	459-0130-0000
140	152	0,255	0,060	106	1,230	3,6	459-0140-0000
150	162	0,175	0,050	113	0,880	3,6	459-0150-0000
160	172	0,165	0,045	120	0,930	3,6	459-0160-0000
170	182	0,160	0,040	127	0,990	3,6	459-0170-0000
175	187	0,155	0,040	131	1,020	3,6	459-0175-0000
180	192	0,155	0,040	134	1,040	3,6	459-0180-0000
200	212	0,145	0,030	148	1,160	3,6	459-0200-0000
215	227	0,135	0,030	159	1,240	3,6	459-0215-0000
225	237	0,135	0,025	166	1,300	3,6	459-0225-0000
250	262	0,100	0,025	183	1,440	3,6	459-0250-0000
275	287	0,095	0,020	201	1,580	3,6	459-0275-0000
300	312	0,090	0,015	218	1,720	3,6	459-0300-0000
315	327	0,080	0,015	228	1,780	3,6	459-0315-0000
325	337	0,070	0,015	236	1,850	3,6	459-0325-0000
350	362	0,065	0,015	253	2,000	3,6	459-0350-0000
375	387	0,065	0,010	270	2,130	3,6	459-0375-0000



I.D. mm	O.D. mm	Rec. operating limits		Bending Radius mm	Weight kg/m	Production Lengths m	Order No.
		Overpressure bar	Vacuum bar				
400	412	0,060	0,010	288	2,280	3 6	459-0400-0000
450	462	0,055	0,010	323	2,560	3 6	459-0450-0000
500	512	0,035	0,005	358	2,840	3 6	459-0500-0000
600	612	0,030	0,005	428	3,400	3	459-0600-0000
700	712	0,025	0,002	498	3,960	3	459-0700-0000
750	762	0,025	0,002	533	4,243	3	459-0750-0000
800	812	0,025	0,002	568	4,520	3	459-0800-0000
900	912	0,020	0,001	638	5,090	3	459-0900-0000
1000	1012	0,020	0,001	708	5,650	3	459-1000-0000

VITON® is a registered trademark of DuPont; Other diameters and lengths available on request. All values indicated here are approximate figures based on a temperature of 20 °C. Data subject to change without notice. Please also refer to our Technical Appendix on [www.norres.com](http://www.norres.com).

## Accessories

13.1.0



NORCLAMP 212

13.6.0



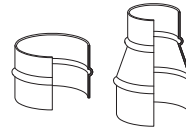
NORCLAMP 217

13.7.0



NORCLAMP 213

13.18.0



NORCONNECT 270-271