

**Electrically conductive suction and blast hose; TEFLON® <math> < 10^6 \Omega </math>, super-light + compressible, highly chemical resistant**

**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

- surface resistance, PTFE film <math> < 10^6 \Omega </math>
- double-layer

- very good heat resistance
- highly flexible + compressible 4:1
- abrasion protection via external clamp profile
- firm clamping of the wall in clamp profile
- anti-adhesive
- good resistance to alkalis and acids
- extremely good resistance to chemicals
- good resistance to UV and ozone
- small bending radius
- kink-proof
- light weight
- conform to RoHS guideline

#### Temperature Range

- -150 °C approx. to +250 °C approx.
- short time to +270 °C approx.

#### Design, material

patented CP design

1. clamp profile supporting spiral: all-stainless steel (INOX)
2. wall: interior semi-conducting PTFE foil, exterior special-coated glass fabric

#### Delivery variants

- cut lengths and special lengths

I.D. mm	O.D. mm	Rec. operating limits		Bending Radius mm	Weight kg/m	Production Lengths m	Order No.
		Overpressure bar	Vacuum bar				
50	62	0,420	0,300	43	0,610	6	471-0050-1003
55	67	0,400	0,280	47	0,660	6	471-0055-1003
60	72	0,375	0,250	50	0,720	6	471-0060-1003
65	77	0,360	0,230	54	0,770	6	471-0065-1003
70	82	0,340	0,210	57	0,830	6	471-0070-1003
75	87	0,330	0,180	61	0,880	6	471-0075-1003
80	92	0,315	0,160	64	0,940	6	471-0080-1003
90	102	0,290	0,110	71	1,050	6	471-0090-1003
100	112	0,190	0,100	78	0,860	6	471-0100-1003
110	122	0,180	0,085	85	0,950	3,6	471-0110-1003
115	127	0,175	0,080	89	0,990	3,6	471-0115-1003
120	132	0,170	0,075	92	1,030	3,6	471-0120-1003
125	137	0,165	0,070	96	1,070	3,6	471-0125-1003
130	142	0,160	0,060	99	1,110	3,6	471-0130-1003
140	152	0,155	0,050	106	1,190	3,6	471-0140-1003
150	162	0,105	0,040	113	0,860	3,6	471-0150-1003
160	172	0,100	0,035	120	0,910	3,6	471-0160-1003
170	182	0,095	0,030	127	0,970	3,6	471-0170-1003
175	187	0,095	0,030	131	0,990	3,6	471-0175-1003
180	192	0,090	0,030	134	1,020	3,6	471-0180-1003
200	212	0,085	0,025	148	1,130	3,6	471-0200-1003
215	227	0,080	0,020	159	1,210	3,6	471-0215-1003
225	237	0,080	0,020	166	1,270	3,6	471-0225-1003
250	262	0,060	0,020	183	1,400	3,6	471-0250-1003
275	287	0,055	0,015	201	1,540	3,6	471-0275-1003
300	312	0,050	0,010	218	1,680	3,6	471-0300-1003
315	327	0,050	0,010	228	1,780	3,6	471-0315-1003
325	337	0,045	0,010	236	1,850	3,6	471-0325-1003
350	362	0,040	0,010	253	1,950	3,6	471-0350-1003
375	387	0,040	0,010	270	2,130	3,6	471-0375-1003
400	412	0,035	0,010	288	2,230	3,6	471-0400-1003
450	462	0,030	0,005	323	2,500	3,6	471-0450-1003



I.D.	O.D.	Rec. operating limits		Bending Radius	Weight	Production Lengths	Order No.
		Overpressure	Vacuum				
mm	mm	bar	bar	mm	kg/m	m	
500	512	0,020	0,005	358	2,770	3 6	471-0500-1003
600	612	0,020	0,005	428	3,320	3	471-0600-1003
700	712	0,015	0,002	498	3,870	3	471-0700-1003
750	762	0,015	0,001	533	4,150	3	471-0750-1003
800	812	0,015	0,001	568	4,420	3	471-0800-1003
900	912	0,015	0,001	638	5,070	3	471-0900-1003
1000	1012	0,010	0,001	708	5,510	3	471-1000-1003

TEFLON® 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



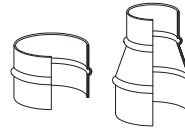
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13.7.0



NORCLAMP 213

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NORCONNECT 270-271