



Electrically conductive polyethylene hose, light weight

## Application

- flexible hose/ ducting for gases and for dust, powder, fibers
- extraction arm
- galvanic extraction
- chemical industry: chemical vapors, vapor return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area
- Coal mine, mine, tunnelling: ventilation, methane extraction

## Properties

- light weight
- highly flexible + compressible

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- good resistance to alkalis and acids
- extremely good resistance to chemicals
- electrically conductive wall: electrical and surface resistance  $<10^3\Omega$  (according to NFPA 652  $<10^6\Omega$ )
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

## Temperature range

- 30°F to 175°F

## Design

- spring steel wire spiral embedded in wall
- patented PROTAPE® tape hose
- wall: electrically conductive polyethylene (PE)
- wall thickness 0.012 inch

## Delivery variants

- further diameters and lengths available on request
- black (standard)
- customer-specific branding

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
- / 40	1.850	6.817	8.268	1.063	0.101	10	322-0040-1003
2 / 50-51	2.283	5.512	7.087	1.299	0.121	10	322-0050-1003
2,36 / 60	2.677	4.569	5.611	1.496	0.141	10	322-0060-1003
3 / 75-76	3.268	3.699	3.839	1.811	0.175	10	322-0075-1003
- / 80	3.465	3.481	3.544	1.890	0.195	10	322-0080-1003
3,5 / 89-90	3.858	3.046	2.953	2.087	0.208	10	322-0090-1003
4 / 100-102	4.252	2.756	2.362	2.283	0.249	10	322-0100-1003
- / 110	4.646	2.538	2.215	2.480	0.269	10	322-0110-1003
4,72 / 120	5.039	2.321	2.067	2.677	0.296	10	322-0120-1003
5 / 125-127	5.236	2.248	1.624	2.795	0.316	10	322-0125-1003
5,5 / 140	5.827	1.958	1.477	3.071	0.349	10	322-0140-1003
6 / 150-152	6.220	1.813	1.477	3.268	0.370	10	322-0150-1003
6,3 / 160	6.614	1.740	1.329	3.465	0.390	10	322-0160-1003
7 / 178-180	7.402	1.523	1.034	3.858	0.450	10	322-0180-1003
8 / 200-203	8.189	1.378	1.034	4.252	0.491	10	322-0200-1003
- / 250	10.157	1.088	0.443	5.236	0.665	10	322-0250-1003
- / 300	12.165	0.943	0.295	6.260	0.840	10	322-0300-1003

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at [www.norres.com/us/technology/](http://www.norres.com/us/technology/). NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68°F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

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## Accessories



CLAMP 213



CLAMP 217



CONNECT 228



CONNECT 270-271



CLAMP 212



CONNECT 223