

Antistatic food hose and pharmaceutical hose, medium-heavy duty

Application

- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- food industry, pharmaceutical industry: food, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- explosion hazard area
- clean room ventilation, semiconductor production machine
- paper mill, paper and pulp industry: waste water, air extraction
- medical equipment/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose
- municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector

Properties

- medium-heavy duty
- highly abrasion resistant

- highly abrasion resistant
- Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004, incl. the latest EU-Directive 2015/174, FDA 21 CFR 177.2600
- odorless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline, and chemicals
- permanently antistatic wall: according to ISO 8031 electrical and surface resistance $<10^9 \Omega$ (according to TRGS 727 $<2,5 \cdot 10^8 \Omega \cdot m$ and NFPA 652 $10^8-10^9 \Omega$)
- very good low temperature flexibility
- 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)
- according to DIN 26057 Type 2
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature range

- 40 °F to 195 °F
- short time to 255 °F

Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ether-polyurethane (Pre-PUR®)
- wall thickness 0.03 in approx.

Delivery variants

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

I.D. (in / mm)	outer Ø (in)	Pressure DIN 26057 (50% Elongation) (psi)	Vacuum DIN 26057 (axially fixed) (inHG)	Bending radius (in)	Weight (lb/ft)	Dimensions in Stock (ft)	Order No.	Production lengths (ft)
standard								
1 / 25	1.260	35.462 (79.047)	22.295 (29.530)	0.906	0.128	5 10 15	350-0025-0000	-
- / 30	1.457	29.806 (66.283)	18.604 (29.530)	1.024	0.168	5 10 15	350-0030-0000	25 50
1,25 / 32	1.535	27.993 (62.222)	17.423 (29.530)	1.063	0.181	5 10 15	350-0032-0000	25 50
1,36 / 35	1.654	25.672 (57.146)	15.946 (29.530)	1.142	0.195	5 10 15	350-0035-0000	25 50
1,5 / 38	1.772	23.714 (52.795)	14.617 (29.530)	1.220	0.208	5 10 15	350-0038-0000	-
- / 40	1.850	22.554 (50.184)	13.879 (29.530)	1.260	0.222	5 10 15	350-0040-0000	25 50
1,75 / 44-45	2.047	20.161 (44.672)	12.403 (29.530)	1.378	0.249	5 10 15	350-0045-0000	25 50
2 / 50-51	2.244	18.130 (40.321)	11.221 (29.530)	1.496	0.269	5 10 15 20	350-0050-0000	-
- / 55	2.441	16.535 (36.695)	10.188 (29.235)	1.614	0.296	5 10 15	350-0055-0000	25 50
2,36 / 60	2.638	15.229 (33.794)	9.302 (24.510)	1.732	0.323	5 10 15	350-0060-0000	25 50

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/. 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.

I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)		(ft)
2,5 / 63-65	2.756	14.069 (31.184)	8.564 (20.966)	1.850	0.349	5 10 15	350-0065-0000	-
- / 70	3.031	13.054 (29.008)	5.463 (24.510)	1.969	0.376	5 10 15	350-0070-0000	25 50
3 / 75-76	3.228	12.183 (27.122)	5.168 (21.262)	2.087	0.397	5 10 15	350-0075-0000	-
- / 80	3.425	11.458 (25.382)	4.725 (18.899)	2.205	0.430	5 10 15	350-0080-0000	25 50
3,5 / 89-90	3.819	10.225 (22.626)	4.282 (15.060)	2.441	0.484	5 10 15	350-0090-0000	-
4 / 100-102	4.213	9.210 (20.451)	3.987 (19.490)	2.677	0.538	5 10 15	350-0100-0000	-
- / 110	4.606	8.340 (18.565)	3.691 (16.242)	2.913	0.585	5 10 15	350-0110-0000	25 50
4,5 / 114-115	4.803	7.977 (17.695)	3.544 (14.765)	3.031	0.605	5 10 15	350-0115-0000	-
4,72 / 120	5.000	7.687 (16.970)	3.396 (13.584)	3.150	0.638	5 10 15	350-0120-0000	25 50
5 / 125-127	5.197	7.397 (16.390)	3.248 (12.403)	3.268	0.659	5 10 15	350-0125-0000	-
- / 130	5.394	7.107 (15.664)	3.101 (11.517)	3.386	0.679	5 10 15	350-0130-0000	25 50
5,5 / 140	5.787	6.599 (14.649)	2.805 (9.745)	3.622	0.733	5 10 15	350-0140-0000	-
6 / 150-152	6.181	6.164 (13.634)	2.215 (10.631)	3.858	0.941	5 10 15	350-0150-0000	-
6,3 / 160	6.575	5.802 (12.764)	2.067 (9.154)	4.094	1.008	5 10 15	350-0160-0000	25 50
- / 170	6.969	5.439 (12.038)	1.919 (8.268)	4.252	1.062	5 10 15	350-0170-0000	-
- / 175	7.165	5.294 (11.748)	1.919 (7.678)	4.449	1.095	5 10 15	350-0175-0000	25 50
7 / 178-180	7.362	5.149 (11.313)	1.772 (7.087)	4.567	1.122	5 10 15	350-0180-0000	-
8 / 200-203	8.150	4.641 (10.298)	1.624 (5.611)	5.039	1.250	5 10 15	350-0200-0000	-
- / 225	9.134	4.134 (9.138)	1.477 (4.430)	5.630	1.398	5 10	350-0225-0000	25
- / 250	10.118	3.699 (8.267)	1.329 (3.544)	6.220	1.552	5 10	350-0250-0000	-
10 / 254	10.276	3.626 (8.122)	1.329 (3.248)	6.299	1.438	5 10 15	350-0254-0000	-
- / 275	11.102	3.336 (7.397)	1.181 (2.658)	6.811	1.707	5 10	350-0275-0000	25
11 / 280	11.299	3.336 (7.397)	1.181 (2.658)	6.929	1.741	5 10	350-0280-0000	-
- / 300	12.087	3.118 (6.817)	1.034 (2.362)	7.402	1.862	5 10	350-0300-0000	25
12 / 305	12.283	3.046 (6.672)	1.034 (2.067)	7.520	1.888	5 10	350-0305-0000	-
- / 350	14.055	2.683 (5.802)	0.886 (1.477)	8.583	2.164	5 10	350-0350-0000	25
14 / 356	14.291	2.611 (5.802)	0.886 (1.772)	8.740	2.245	5 10	350-0356-0000	-
- / 400	16.024	2.321 (5.076)	0.886 (1.477)	9.764	2.802	5 10	350-0400-0000	25
- / 450	17.992	2.031 (4.641)	0.738 (1.181)	11.063	3.152	5 10	350-0450-0000	25
- / 500	19.961	1.886 (4.061)	0.738 (0.886)	12.323	3.495	5 10	350-0500-0000	25

neutral imprint: <ID> antistatic + microbe resistant <neutral batch no.> / no cutting

1,5 / 38	1.772	23.714 (52.795)	14.617 (29.530)	1.220	0.208	10	350-0038-0007	25 50
- / 40	1.850	22.554 (50.184)	13.879 (29.530)	1.260	0.222	10	350-0040-0007	25 50
2 / 50-51	2.244	18.130 (40.321)	11.221 (29.530)	1.496	0.269	10	350-0050-0007	25 50
2,36 / 60	2.638	15.229 (33.794)	9.302 (24.510)	1.732	0.323	10	350-0060-0007	25 50
2,5 / 63-65	2.756	14.069 (31.184)	8.564 (20.966)	1.850	0.349	10	350-0065-0007	25 50
- / 70	3.031	13.054 (29.008)	5.463 (24.510)	1.969	0.376	10	350-0070-0007	25 50
- / 75	3.228	12.183 (27.122)	5.168 (21.262)	2.087	0.397	10	350-0075-0007	25 50
- / 80	3.425	11.458 (25.382)	4.725 (18.899)	2.205	0.430	10	350-0080-0007	25 50
4 / 100-102	4.213	9.210 (20.451)	3.987 (19.490)	2.677	0.538	10	350-0100-0007	25 50
4,72 / 120	5.000	7.687 (16.970)	3.396 (13.584)	3.150	0.638	10	350-0120-0007	25 50
5 / 125-127	5.197	7.397 (16.390)	3.248 (12.403)	3.268	0.659	10	350-0125-0007	25 50
5,5 / 140	5.787	6.599 (14.649)	2.805 (9.745)	3.622	0.733	10	350-0140-0007	25 50
6 / 150-152	6.181	6.164 (13.634)	2.215 (10.631)	3.858	0.941	10	350-0150-0007	25 50
6,3 / 160	6.575	5.802 (12.764)	2.067 (9.154)	4.094	1.008	10	350-0160-0007	25 50
7 / 178-180	7.362	5.149 (11.313)	1.772 (7.087)	4.567	1.122	10	350-0180-0007	25 50
8 / 200-203	8.150	4.641 (10.298)	1.624 (5.611)	5.039	1.250	10	350-0200-0007	25 50

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/. 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.

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/. 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.

Accessories



CONNECT THREAD
FITTING 234



CONNECT 243
FOOD



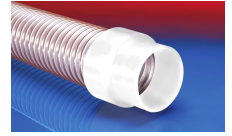
CONNECT 245
FOOD



CLAMP 217



CONNECT 246
FOOD



CONNECT 240 + 241
FOOD



CONNECT ASEPTIC
FITTING 249



CONNECT 228



CONNECT 223



CONNECT TRI-
CLAMP FITTING 245



CLAMP 213



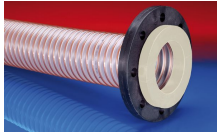
CONNECT DAIRY
FITTING 247



CONNECT MOULD
ASSEMBLY 233



CLAMP 212



CONNECT 244
FOOD



CLAMP 210 BRIDGE
CLAMP



CONNECT 270-271