

## Antistatic food hose and pharmaceutical hose, super-heavy, stainless steel (INOX)

### Application

- hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
- food industry, pharmaceutical industry: foodstuff, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system
- pelleting machines/ tablet presses
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- agricultural industry: pneumatic grain conveyer
- animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport
- paper mill, paper and pulp industry: waste water, air extraction
- silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging

### Properties

- super-heavy duty
- extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch

- very high pressure, vacuum and compression resistance
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600
- Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- 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  $10^8 - 10^9 \Omega$ )
- 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 4
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

### Temperature Range

- $-40^\circ\text{C}$  to  $90^\circ\text{C}$

### Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- spiral: stainless steel wire (INOX)
- wall: permanently antistatic premium ether-polyurethane (Pre-PUR®)
- wall thickness 2,0 to 2,5 mm approx.
- reinforcement of the primary abrasion areas

### Delivery variants

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

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
1,25 / 32	43.00	5,180	1,000	90.00	0.68	5 10	356-0032-1018
1,5 / 38	49.00	4,425	1,000	104.00	0.79	5 10	356-0038-1018
- / 40	51.00	4,225	1,000	109.00	0.82	5 10	356-0040-1018
- / 50	61.00	3,430	1,000	134.00	1.00	5 10	356-0050-1018
2 / 51	62.00	3,155	1,000	134.00	1.02	5 10	356-0051-1018
2,36 / 60	71.00	2,890	1,000	156.00	1.18	5 10	356-0060-1018
2,5 / 63-65	74.00	2,780	1,000	163.00	1.23	5 10	356-0063-1018
- / 65	76.00	2,675	1,000	169.00	1.27	5 10	356-0065-1018

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/)



I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	
- / 70	82.00	2,495	1,000	186.00	1.37	5 10	356-0070-1018
- / 75	87.00	2,335	1,000	195.00	1.46	5 10	356-0075-1018
3 / 76	88.00	2,330	1,000	195.00	1.48	5 10	356-0076-1018
- / 80	92.00	2,195	1,000	205.00	1.55	5 10	356-0080-1018
3,5 / 89-90	101.00	2,170	1,000	250.00	1.70	5 10	356-0089-1018
- / 90	103.00	2,170	1,000	250.00	2.06	5 10	356-0090-1018
- / 100	113.00	1,960	1,000	272.00	2.27	5 10	356-0100-1018
4 / 102	115.00	1,890	1,000	272.00	2.31	5 10	356-0102-1018
- / 125	138.00	1,580	0,880	336.00	2.80	5 10	356-0125-1018
5 / 127	140.00	1,450	0,870	336.00	2.85	5 10	356-0127-1018
- / 150	163.00	1,320	0,735	435.00	3.68	5 10	356-0150-1018
6 / 152	165.00	1,375	0,725	435.00	3.73	5 10	356-0152-1018

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/)

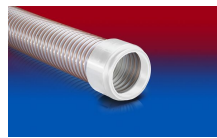
## Accessories



CLAMP 216



CONNECT SAFETY CLAMP ASSEMBLY 231



CONNECT 245 FOOD



CONNECT PRESS ASSEMBLY 232



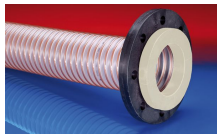
CONNECT 246 FOOD



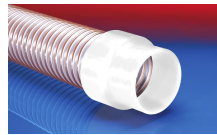
CONNECT 243 FOOD



CONNECT 228



CONNECT 244 FOOD



CONNECT 240 + 241 FOOD



CLAMP 211



CONNECT THREAD FITTING 234



CONNECT MOULD ASSEMBLY 233

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/)