

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

Application

- flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases
- 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
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- pelleting machines/ tablet presses
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport

Properties

- heavy duty
- highly abrasion resistant

- increased pressure and vacuum resistance
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011, EC 1935/2004 and EU 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 3
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline

- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- 40°C to 90°C
- short time to 125°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 1,4 - 1,5 mm approx.

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	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
1 / 25	32.00	3,565	1,000	20.00	0.28	10	5	355-0025-1018
1,25 / 32	42.00	3,490	1,000	26.00	0.44	10	5	355-0032-1018
1,5 / 38	48.00	2,975	0,985	29.00	0.52	10	5	355-0038-1018
- / 40	50.00	2,835	0,935	30.00	0.54	10	5	355-0040-1018
2 / 50-51	60.00	2,300	0,750	35.00	0.66	5 10	-	355-0050-1018
- / 55	65.00	2,100	0,680	38.00	0.72	-	5 10	355-0055-1018
2,36 / 60	70.00	1,930	0,625	40.00	0.78	10	5	355-0060-1018
2,5 / 63-65	75.00	1,790	0,575	43.00	0.84	10	5	355-0065-1018
- / 70	81.00	1,665	0,505	62.00	0.98	-	5 10	355-0070-1018
3 / 75-76	86.00	1,560	0,475	66.00	1.05	5 10	-	355-0075-1018
- / 80	91.00	1,465	0,450	69.00	1.11	10	5	355-0080-1018

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.

I.D.	outer Ø	Pressure	Vacuum	Bending Radius	Weight	Dimensions in Stock	Production Lengths	Order No.
(in / mm)	(mm)	(bar)	(bar)	(mm)	(kg/m)	(m)	(m)	
3,5 / 89-90	101.00	1,305	0,395	76.00	1.30	10	5	355-0090-1018
4 / 100-102	111.00	1,180	0,385	83.00	1.49	5 10	-	355-0100-1018
5 / 125-127	136.00	0,950	0,305	101.00	1.84	-	5 10	355-0125-1018
6 / 150-152	161.00	0,795	0,285	118.00	2.41	10	5	355-0150-1018
6,3 / 160	172.00	0,745	0,265	125.00	2.56	-	5 10	355-0160-1018
7 / 178-180	191.00	0,665	0,235	139.00	2.90	-	5	355-0180-1018
8 / 200-203	213.00	0,600	0,145	156.00	3.12	-	5	355-0200-1018

Accessories



CONNECT 245
FOOD



CONNECT THREAD
FITTING 234



CLAMP 212 EC



CLAMP 217



CLAMP 213



CONNECT 223



CONNECT ASEPTIC
FITTING 249



CONNECT 240 + 241
FOOD



CONNECT 243
FOOD



CONNECT DAIRY
FITTING 247



CONNECT 270-271



CONNECT 246
FOOD



CLAMP 212



CLAMP 216



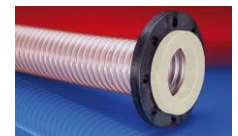
CONNECT MOULD
ASSEMBLY 233



CONNECT PRESS
ASSEMBLY 232



CONNECT 228



CONNECT 244
FOOD



CONNECT TRI-
CLAMP FITTING 245



CONNECT SAFETY
CLAMP ASSEMBLY
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