

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



Application

- flexible hose/ ducting for 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
- pelleting machines/ tablet presses
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- explosion hazard area

Properties

- medium-heavy duty
- highly abrasion resistant
- 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

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- 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 $<2,5 \cdot 10^9 \Omega \cdot m$ 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)
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

- 40 °C to 90 °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 1,0 mm approx.

Delivery variants

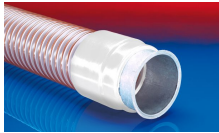
- further diameters and lengths available on request
- transparent (standard)
- customer-specific branding

| I.D. (in / mm) | outer Ø (mm) | Pressure DIN 26057 (50% Elongation) (bar) | Vacuum DIN 26057 (axially fixed) (bar) | Bending Radius (mm) | Weight (kg/m) | Dimensions in Stock (m) | Order No. |
|-------------------|-----------------|--|---|---------------------------|------------------|-------------------------------|---------------|
| 1 / 25 | 33.00 | 2,640 (4,49) | 0,680 (1,00) | 22.00 | 0.22 | 5 10 | 351-0025-1018 |
| 1,25 / 32 | 40.00 | 2,090 (3,56) | 0,440 (1,00) | 28.00 | 0.28 | 5 10 | 351-0032-1018 |
| 1,5 / 38 | 46.00 | 1,775 (3,02) | 0,370 (1,00) | 32.00 | 0.32 | 5 10 | 351-0038-1018 |
| - / 40 | 48.00 | 1,690 (2,87) | 0,355 (1,00) | 33.00 | 0.34 | 5 10 | 351-0040-1018 |
| 2 / 50-51 | 58.00 | 1,365 (2,32) | 0,285 (1,00) | 39.00 | 0.41 | 5 10 | 351-0050-1018 |
| 2,36 / 60 | 68.00 | 1,145 (1,94) | 0,235 (0,82) | 45.00 | 0.49 | 5 10 | 351-0060-1018 |
| 2,5 / 63-65 | 73.00 | 1,055 (1,79) | 0,220 (0,70) | 48.00 | 0.59 | 5 10 | 351-0065-1018 |
| - / 70 | 79.00 | 0,985 (1,67) | 0,145 (0,83) | 52.00 | 0.59 | 5 10 | 351-0070-1018 |
| 3 / 75-76 | 84.00 | 0,920 (1,56) | 0,135 (0,72) | 55.00 | 0.64 | 5 10 | 351-0075-1018 |
| - / 80 | 89.00 | 0,865 (1,46) | 0,125 (0,64) | 58.00 | 0.68 | 5 10 | 351-0080-1018 |
| 3,5 / 89-90 | 99.00 | 0,770 (1,30) | 0,110 (0,50) | 64.00 | 0.75 | 5 10 | 351-0090-1018 |



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|-------------------|-----------------|--|---|---------------------------|------------------|-------------------------------|---------------|
| 4 / 100-102 | 109.00 | 0,695 (1,18) | 0,105 (0,66) | 70.00 | 0.97 | 5 10 | 351-0100-1018 |
| - / 110 | 119.00 | 0,630 (1,07) | 0,095 (0,54) | 76.00 | 1.06 | 5 10 | 351-0110-1018 |
| 5 / 125-127 | 134.00 | 0,555 (0,94) | 0,085 (0,42) | 85.00 | 1.20 | 5 10 | 351-0125-1018 |
| 5,5 / 140 | 149.00 | 0,500 (0,84) | 0,075 (0,33) | 94.00 | 1.34 | 5 10 | 351-0140-1018 |
| 6 / 150-152 | 159.00 | 0,465 (0,79) | 0,075 (0,37) | 100.00 | 1.52 | 5 10 | 351-0150-1018 |
| 6,3 / 160 | 169.00 | 0,435 (0,74) | 0,070 (0,32) | 106.00 | 1.61 | 5 10 | 351-0160-1018 |
| 7 / 178-180 | 189.00 | 0,390 (0,66) | 0,060 (0,25) | 118.00 | 1.81 | 5 10 | 351-0180-1018 |
| 8 / 200-203 | 209.00 | 0,350 (0,59) | 0,055 (0,2,0) | 133.00 | 2.03 | 5 10 | 351-0200-1018 |
| - / 225 | 234.00 | 0,310 (0,53) | 0,040 (0,14) | 145.00 | 2.16 | 5 10 | 351-0225-1018 |

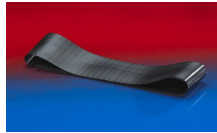
Accessories



CONNECT 243
FOOD



CLAMP 212 EC



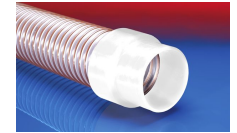
CONNECT 228



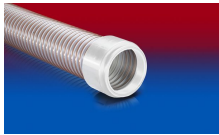
CONNECT ASEPTIC
FITTING 249



CONNECT 223



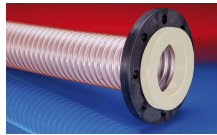
CONNECT 240 + 241
FOOD



CONNECT 245
FOOD



CLAMP 213



CONNECT 244
FOOD



CONNECT 270-271



CLAMP 217



CLAMP 210 BRIDGE
CLAMP



CONNECT 246
FOOD



CONNECT MOULD
ASSEMBLY 233



CONNECT TRI-
CLAMP FITTING 245



CLAMP 212



CONNECT DAIRY
FITTING 247



CONNECT THREAD
FITTING 234