

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

- Standardversion ..-1018: 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
- Standardversion ..1018: Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004
- odourless and tasteless
- special version ..1030: approved for food categories A, B, C, D1, D2, E, according to manufacturer certification; food grade polyurethane according to EU-Directive 10/2011 and EC 1935/2004 and FDA 21 CFR 177.2600
- 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

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Temperature Range

- 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 1,4 - 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 | Minimum Quantity | Dimensions in Stock | Order No. |
|-----------|---------|----------|--------|----------------|--------|------------------|---------------------|-----------|
| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | (m) | |

According to the used raw materials suitable for food contact (food simulants A - E; EU-Directive 10/2011); antistatic $<10^9 \Omega$

| | | | | | | | | |
|--------|-------|-------|-------|-------|------|-----|---|---------------|
| 1 / 25 | 32.00 | 3,565 | 1,000 | 20.00 | 0.28 | 150 | - | 355-0025-1030 |
|--------|-------|-------|-------|-------|------|-----|---|---------------|

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/

| I.D. | outer Ø | Pressure | Vacuum | Bending Radius | Weight | Minimum Quantity | Dimensions in Stock | Order No. |
|-------------|---------|----------|--------|----------------|--------|------------------|---------------------|---------------|
| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | (m) | |
| 1,25 / 32 | 42.00 | 3,490 | 1,000 | 26.00 | 0.44 | 150 | - | 355-0032-1030 |
| 1,5 / 38 | 48.00 | 2,975 | 0,985 | 29.00 | 0.52 | 150 | - | 355-0038-1030 |
| - / 40 | 50.00 | 2,835 | 0,935 | 30.00 | 0.54 | 150 | - | 355-0040-1030 |
| 2 / 50-51 | 60.00 | 2,300 | 0,750 | 35.00 | 0.66 | 150 | - | 355-0050-1030 |
| 2,5 / 63-65 | 75.00 | 1,790 | 0,575 | 43.00 | 0.84 | 150 | - | 355-0065-1030 |
| 3 / 75-76 | 86.00 | 1,560 | 0,475 | 66.00 | 1.05 | 100 | - | 355-0075-1030 |
| - / 80 | 91.00 | 1,465 | 0,450 | 69.00 | 1.11 | 100 | - | 355-0080-1030 |
| 4 / 100-102 | 111.00 | 1,180 | 0,385 | 83.00 | 1.49 | 100 | - | 355-0100-1030 |

Standard version acc. to certificate for food simulant E

| | | | | | | | | |
|-------------|--------|-------|-------|--------|------|---|-------------|---------------|
| 1 / 25 | 32.00 | 3,565 | 1,000 | 20.00 | 0.28 | - | 5 10 | 355-0025-1018 |
| 1,25 / 32 | 42.00 | 3,490 | 1,000 | 26.00 | 0.44 | - | 5 10 | 355-0032-1018 |
| 1,5 / 38 | 48.00 | 2,975 | 0,985 | 29.00 | 0.52 | - | 5 10 | 355-0038-1018 |
| - / 40 | 50.00 | 2,835 | 0,935 | 30.00 | 0.54 | - | 5 10 | 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 | - | 5 10 | 355-0060-1018 |
| 2,5 / 63-65 | 75.00 | 1,790 | 0,575 | 43.00 | 0.84 | - | 5 10 | 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 | - | 5 10 | 355-0080-1018 |
| 3,5 / 89-90 | 101.00 | 1,305 | 0,395 | 76.00 | 1.30 | - | 5 10 | 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 | - | 5 10 | 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 10 | 355-0180-1018 |
| 8 / 200-203 | 213.00 | 0,600 | 0,145 | 156.00 | 3.12 | - | 5 10 | 355-0200-1018 |

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Accessories



CONNECT DAIRY FITTING 247



CLAMP 216



CONNECT TRI-CLAMP FITTING 245



CLAMP 212 EC



CONNECT 270-271



CONNECT PRESS ASSEMBLY 232



CONNECT 243 FOOD



CONNECT 228



CONNECT 246 FOOD



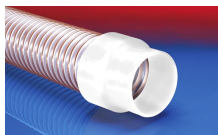
CONNECT SAFETY CLAMP ASSEMBLY 231



CONNECT THREAD FITTING 234



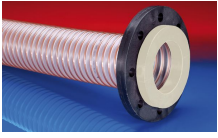
CLAMP 217



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CONNECT MOULD
ASSEMBLY 233



CONNECT 244
FOOD

CONNECT 240 + 241
FOOD



CLAMP 212

CONNECT 245
FOOD

CONNECT 223

CONNECT ASEPTIC CLAMP 213
FITTING 249

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/