



Antistatic food hose and pharmaceutical hose, super-heavy and reinforced, smooth interior and exterior, 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
- explosion hazard area
- animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport
- silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of e.g. rice, dry food, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

Properties

- super-heavy duty
- very high pressure, vacuum and compression resistance

- Standardversion ..-1014: 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 ..1014: Approval acc. to EU-Directive 10/2011 (food simulant E) and EC 1935/2004
- 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
- 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)
- 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

Design

- BARDUC® design
- spring steel wire spiral embedded in wall
- spiral: stainless steel wire (INOX)
- smooth interior and exterior
- wall: permanently antistatic premium ether-polyurethane (Pre-PUR®)
- wall thickness 4 to 6 mm approx., depending on diameter

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) | |
| 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 | 40.00 | 5,500 | 1,000 | 144.00 | 0.45 | - | 382-0032-1030 |
| 1,5 / 38 | 46.00 | 5,500 | 1,000 | 171.00 | 0.59 | - | 382-0038-1030 |

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 | Dimensions in Stock | Order No. |
|-------------|---------|----------|--------|----------------|--------|---------------------|---------------|
| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | |
| - / 40 | 48.00 | 5,500 | 1,000 | 180.00 | 0.65 | - | 382-0040-1030 |
| 2 / 50-51 | 58.00 | 5,000 | 1,000 | 225.00 | 0.96 | - | 382-0050-1030 |
| 2,36 / 60 | 68.00 | 5,000 | 1,000 | 270.00 | 1.12 | - | 382-0060-1030 |
| 2,5 / 63-65 | 73.00 | 5,000 | 1,000 | 293.00 | 1.21 | - | 382-0065-1030 |
| - / 70 | 78.00 | 5,000 | 1,000 | 315.00 | 1.29 | - | 382-0070-1030 |
| 3 / 75-76 | 83.00 | 5,000 | 1,000 | 338.00 | 1.38 | - | 382-0075-1030 |
| - / 80 | 88.00 | 4,000 | 0,900 | 360.00 | 1.46 | - | 382-0080-1030 |
| 4 / 100-102 | 110.00 | 4,000 | 0,800 | 500.00 | 1.80 | - | 382-0100-1030 |

Standard version acc. to certificate for food simulant E

| | | | | | | | |
|-------------|--------|-------|-------|--------|------|--------------|---------------|
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| - / 40 | 48.00 | 5,500 | 1,000 | 180.00 | 0.65 | 10 15 | 382-0040-1014 |
| 2 / 50-51 | 58.00 | 5,000 | 1,000 | 225.00 | 0.96 | 10 15 | 382-0050-1014 |
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Accessories



CLAMP 211

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