



Antistatic food hose and pharmaceutical hose, super-heavy duty, 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: food, 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
- odorless 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

- $-40^\circ F$ to $195^\circ F$

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 0.15 to 0.24 in 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)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
Standard version acc. to certificate for food simulant E							
1,25 / 32	1.575	79.772	29.530	5.669	0.302	10	382-0032-1014
1,5 / 38	1.811	79.772	29.530	6.732	0.397	10	382-0038-1014

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at www.norres.com/us/technology/. NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68°F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

I.D.	outer Ø	Pressure	Vacuum	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	
- / 40	1.890	79.772	29.530	7.087	0.437	10 15	382-0040-1014
2 / 50-51	2.283	72.520	29.530	8.858	0.645	10 15	382-0050-1014
2,36 / 60	2.677	72.520	29.530	10.630	0.753	10 15	382-0060-1014
2,5 / 63-65	2.874	72.520	29.530	11.535	0.813	10 15	382-0065-1014
- / 70	3.071	72.520	29.530	12.402	0.867	10 15	382-0070-1014
3 / 75-76	3.268	72.520	29.530	13.307	0.927	10 15	382-0075-1014
- / 80	3.465	58.016	26.577	14.173	0.981	10	382-0080-1014
4 / 100-102	4.331	58.016	23.624	19.685	1.210	10	382-0100-1014

According to the used raw materials suitable for food contact (food simulants A - E; EU-Directive 10/2011); antistatic <10⁹ Ω

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Accessories



CLAMP 211