

**Antistatic suction and transport hose for the food and pharmaceutical industries; PUR <math>< 10^9 \Omega</math> + stainless steel, super-heavy, smooth interior and exterior**

Applications: Antistatic suction and transport hose, especially suitable:

- for transporting inflammable bulk materials and in areas liable to contain explosive mixtures (explosion protection)
- for gaseous and liquid media
- for silo vehicles
- for the food and pharmaceutical industry
- for the chemical industry

Properties

- according to TRBS 2153, the wall is permanently capable of electrostatic discharge owing to the non-migrating antistatic material: electrical and surface resistance <math>< 10^9 \Omega</math>, recommended for transporting inflammable bulk materials
- super-heavy model
- highly abrasion-proof (abrasion resistance about 2.5 to 5 times better than most rubber materials and about 3 to 4 times better than most soft PVC 's)
- smooth interior and exterior
- optimized flow properties
- flexible

- very high pressure, vacuum and compression resistance
- high axial strength
- high tensile strength and tear resistant
- food grade wall, complies with: EU Directive 2002/72/EC, incl. the latest Amending Directive 975/2009/EC
- approved by an independent testing laboratory for the complete hose acc. to EU Directive 2002/72/EC, incl. amending Directive 2007/19/EC
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to mineral oils and gasoline
- good resistance to chemicals
- good resistance to UV and ozone
- very good low temperature flexibility (better than comparable ester-polyurethanes)
- small bending radius
- kink-proof
- free of softener and halogen
- gas and liquid tight
- conforms to the requirements of the European ATEX Directive
- conform to RoHS guideline

Temperature Range

- -40 °C approx. to +90 °C approx.

Design, material

BARDUC® design

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

Delivery variants

- cut lengths and special lengths
- transparent (standard)
- customer-specific product marking
- wall: „bioplastic“ material derived from renewable raw materials without food applicability
- as a pre-assembled hose system with NORCONNECT connectors

I.D. mm	O.D. mm	Rec. operating limits		Bending Radius mm	Weight kg/m	Stock Lengths m	Further Production Lengths m	Order No.
		Overpressure bar	Vacuum bar					
32	40	5,500	1,000	160	0,450	10	-	382-0032-1014
38	46	5,500	1,000	190	0,590	10	-	382-0038-1014
40	48	5,500	1,000	200	0,650	10	-	382-0040-1014
42	50	5,500	1,000	210	0,740	-	10	382-0042-1014
50	58	5,000	1,000	250	0,960	10	-	382-0050-1014
60	68	5,000	1,000	300	1,120	10	-	382-0060-1014
63	71	5,000	1,000	315	1,180	-	10	382-0063-1014
65	73	5,000	1,000	325	1,210	10	-	382-0065-1014
70	78	5,000	1,000	350	1,290	10	-	382-0070-1014
75	83	5,000	1,000	375	1,380	-	10	382-0075-1014
76	84	5,000	1,000	380	1,410	10	-	382-0076-1014
80	88	4,000	0,900	400	1,460	10	-	382-0080-1014
100	110	4,000	0,800	550	1,800	10	-	382-0100-1014
102	112	4,000	0,800	561	1,850	-	10	382-0102-1014
125	135	3,000	0,605	688	2,220	-	10	382-0125-1014
127	137	3,000	0,605	699	2,270	-	10	382-0127-1014
150	160	2,000	0,385	825	2,640	-	10	382-0150-1014
152	162	2,000	0,385	836	2,690	-	10	382-0152-1014

Other diameters and lengths available on request. All values indicated here are approximate figures based on a temperature of 20 °C. Data subject to change without notice. Please also refer to our Technical Appendix on www.norres.com.



Accessories

13.4.0



NORCLAMP 211