

## **AIRDUC PUR INOX 351 FOOD AS 1 mm FDA Antistatic food hose and pharmaceutical hose, medium-heavy and reinforced, stainless steel (INOX)**



### **Technical specifications:**

#### **APPLICATIONS**

- 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, EC 1935/2004 and EU 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600
- 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  $<2,5 \cdot 10^8 \Omega \cdot m$  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

#### **DELIVERY VARIANTS**

- further diameters and lengths available on request

- transparent (standard)
- customer-specific branding
- medium-heavy duty
- highly abrasion resistant
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011, EC 1935/2004 and EU 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600
- Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- manufacturing process acc. GMP EC 2023/2006
- flame-retardant according to: UL94-HB
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

## DESIGN

- AIRDUC® profile hose
- 1. spring steel wire firmly embedded in wall; spiral: stainless steel wire (INOX)
- 2. wall: permanently antistatic premium ether-polyurethane (Pre-PUR®)
- 3. wall thickness 1,0 mm approx.

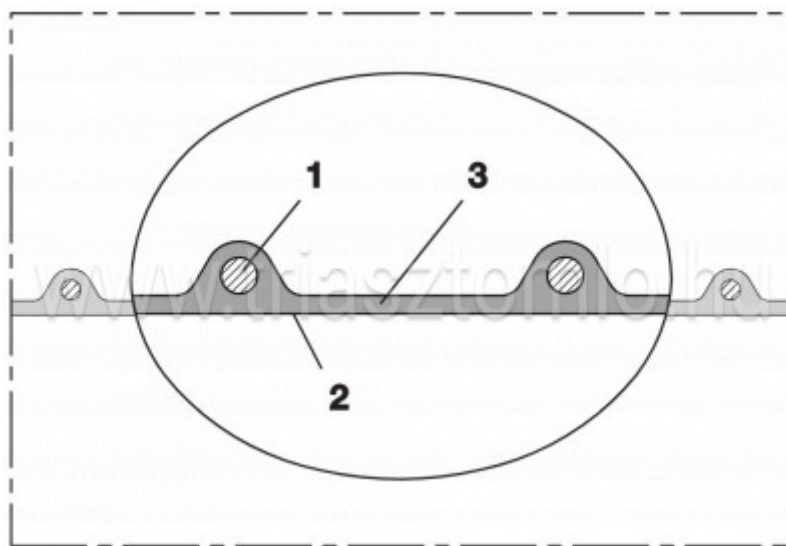
## TEMPERATURE RANGE

- -40°C to 90°C
- short time to 125°C

Certain diameters are available from stock. Meantime, we hold the right of selling the stock in products.

inside diameter (mm)	outer diameter (mm)	pressure on 20° C (bar) at 50% elongation)	Vacuum (bar)	Bending radius (mm)	Weight kg/m	Article Nr.
25	32	2,71	-0,68	23	0,2	351-0025-1018
32	40	2,15	-0,44	28	0,28	351-0032-1018
38	46	1,83	-0,37	32	0,32	351-0038-1018
40	48	1,74	-0,35	33	0,34	351-0040-1018
50/51	58	1,4	-0,28	39	0,41	351-0050-1018
60	68	1,17	-0,23	45	0,49	351-0060-1018
63/65	73	1,09	-0,22	48	0,53	351-0065-1018

inside diameter (mm)	outer diameter (mm)	pressure on 20° C (bar) at 50% elongation)	Vacuum (bar)	Bending radius (mm)	Weight kg/m	Article Nr.
70	79	1,01	-0,15	52	0,59	351-0070-1018
75/76	84	0,94	-0,14	55	0,64	351-0075-1018
80	89	0,89	-0,13	58	0,68	351-0080-1018
89/90	99	0,79	-0,11	64	0,75	351-0090-1018
100/102	109	0,71	-0,11	70	0,97	351-0100-1018
110	119	0,65	-0,1	76	1,06	351-0110-1018
125/127	134	0,57	-0,09	85	1,2	351-0125-1018
140	149	0,51	-0,08	94	1,34	351-0140-1018
150/152	159	0,48	-0,06	100	1,52	351-0150-1018
160	169	0,45	-0,06	106	1,61	351-0160-1018
200/203	209	0,36	-0,05	130	2,03	351-0200-1018





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