

AIRDUC PUR INOX 355 FOOD-AS



Technical specifications:

APPLICATIONS

- 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
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system
- 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
- 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)
- according to DIN 26057 Type 3
- 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

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 1,4 - 1,5 mm approx.

TEMPERATURE RANGE

- -40°C to 90°C
- short time to 125°C

Hőállóság: -40°C/+90 °C

Felépítés: Poliuretán, áttetsző, beágyazott inox acélspirállal, belül közel sima, kívül hullámos

Falvastagság: 1,4 -1,5 mm a spirálok között

Szabvány: DIN26057 Type 3

Elektromos ellenállás: R< 10 9 Ohm

Tekercsméret: 5/10 m

On stock at the manufacturer, short delivery time with regular shipments

| Inner diameter (mm) | Outer diameter (mm) | Working pressure on 20 C (bar) | Vacuum (bar) | Bending radius (mm) | Weight (kg/m) | Article Nr. |
|------------------------|------------------------|-----------------------------------|-----------------|------------------------|------------------|---------------|
| 25 | 32 | 3,56 | -1 | 20 | 0,28 | 355-0025-1018 |
| 32 | 42 | 3,49 | -1 | 26 | 0,44 | 355-0032-1018 |
| 38 | 48 | 2,97 | -0,98 | 29 | 0,52 | 355-0038-1018 |
| 40 | 50 | 2,83 | -0,93 | 30 | 0,54 | 355-0040-1018 |
| 50/51 | 60 | 2,3 | -0,75 | 35 | 0,66 | 355-0050-1018 |
| 60 | 70 | 1,93 | -0,63 | 40 | 0,78 | 355-0060-1018 |
| 63/65 | 75 | 1,79 | -0,57 | 43 | 0,84 | 355-0065-1018 |

| Inner diameter (mm) | Outer diameter (mm) | Working pressure on 20 C (bar) | Vacuum (bar) | Bending radius (mm) | Weight (kg/m) | Article Nr. |
|------------------------|------------------------|-----------------------------------|-----------------|------------------------|------------------|---------------|
| 75/76 | 86 | 1,56 | -0,47 | 66 | 1,05 | 355-0075-1018 |
| 80 | 91 | 1,46 | -0,45 | 69 | 1,11 | 355-0080-1018 |
| 90 | 101 | 1,3 | -0,39 | 76 | 1,3 | 355-0090-1018 |
| 100/102 | 111 | 1,18 | -0,38 | 83 | 1,49 | 355-0100-1018 |
| 150/152 | 161 | 0,79 | -0,28 | 118 | 2,41 | 355-0150-1018 |

