

## 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

