

AIRDUC PUR 350 FOOD-AS medium duty



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
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- explosion hazard area
- clean room ventilation, semiconductor production machine
- paper mill, paper and pulp industry: waste water, air extraction
- medical equipment/ medical technology, healthcare sector: cable protection conduit, air supply hose, extraction hose
- municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector

PROPERTIES

- medium-heavy duty
- highly abrasion resistant
- Food grade wall, complies with: EU-Directive 10/2011, EC 1935/2004 and EU 2015/174, FDA 21 CFR 177.2600
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline and chemicals
- 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 - $10^9 \Omega$)
- very good low temperature flexibility
- 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 2
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

DESIGN

- AIRDUC® profile hose
- 1. spring steel wire firmly embedded in wall
- 2. wall: permanently antistatic premium ether-polyurethane (Pre-PUR®)

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- 3. wall thickness 0,7 mm approx.

DELIVERY VARIANTS

- further diameters and lengths available on request
- transparent (standard)
- customer-specific branding

TEMPERATURE RANGE

- -40°C to 90°C
- short time to 125°C

Temperatur resistance: -40/+90 C (short time +125C)

construction: PUR, transparent, embedded steel spiral, inside nearly smooth, outside corrugated

electric withstand: 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 - $10^9 \Omega$)

Wall thickness: 0,7 mm

Food grade: EU-Directive 10/2011, EC 1935/2004 and EU 2015/174, FDA 21 CFR 177.2600

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

Inside diameter (mm)	outside diameter mm	Vacuum (bar)	Bending radius (mm)	Pressure at 20 C (with 50% elongation)	Weight (kg/m)	Article nr.
25	32	-0,75	23	2,44	0,19	350-0025-0000
30	37	-0,63	26	2,05	0,25	350-0030-0000
32	39	-0,59	27	1,93	0,27	350-0032-0000
35	42	-0,54	29	1,77	0,29	350-0035-0000
38	45	-0,49	31	1,63	0,31	350-0038-0000
40	47	-0,47	32	1,55	0,33	350-0040-0000
45	52	-0,42	35	1,39	0,37	350-0045-0000
50/51	57	-0,38	38	1,25	0,4	350-0050-0000
55	62	-0,34	41	1,14	0,44	350-0055-0000

Inside diameter (mm)	outside diameter mm	Vacuum (bar)	Bending radius (mm)	Pressure at 20 C (with 50% elongation)	Weight (kg/m)	Article nr.
60	67	-0,31	44	1,05	0,48	350-0060-0000
63/65	70	-0,29	47	0,97	0,52	350-0065-0000
70	77	-0,18	50	0,9	0,56	350-0070-0000
75/76	82	-0,17	53	0,84	0,59	350-0075-0000
80	87	-0,16	56	0,79	0,64	350-0080-0000
90	97	-0,14	62	0,7	0,72	350-0090-0000
100/102	107	-0,13	68	0,63	0,8	350-0100-0000
110	117	-0,12	74	0,57	0,87	350-0110-0000
120	127	-0,11	80	0,53	0,95	350-0120-0000
125/127	132	-0,11	83	0,51	0,98	350-0125-0000
140	147	-0,09	92	0,45	1,09	350-0140-0000
150/152	157	-0,07	98	0,42	1,4	350-0150-0000
160	167	-0,07	104	0,4	1,5	350-0160-0000
180	187	-0,06	116	0,35	1,67	350-0180-0000
200/203	207	-0,05	128	0,32	1,86	350-0200-0000
225	232	-0,05	143	0,28	2,08	350-0225-0000
250	257	-0,04	158	0,25	2,31	350-0250-0000
300	307	-0,03	188	0,21	2,77	350-0300-0000
305	312	-0,03	191	0,21	2,81	350-0305-0000



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