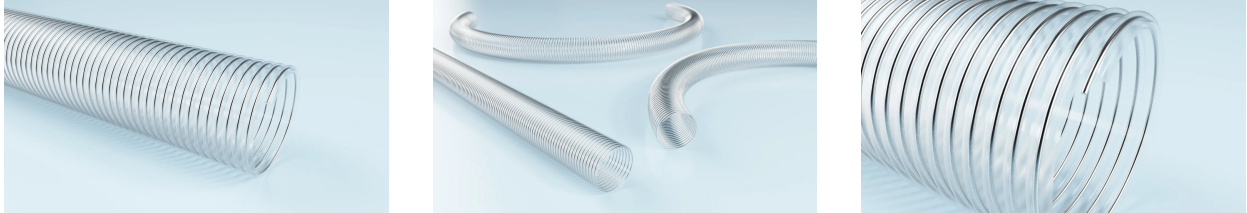


FOOD/PHARMA · II 1/2GD (interior zone 0/1/2 gases, zone 20/21/22 dust; exterior zone 1/21) — antistatic per TRGS 727

AIRDUC® PUR-INOX 356 FOOD-AS (XHD)

Extremely abrasion-resistant food hose — antistatic, INOX spiral, for the most abrasive bulk foods



The heaviest in the AIRDUC® FOOD family. Extremely abrasion-resistant antistatic polyurethane hose with stainless steel spiral, designed for conveying highly abrasive foods at industrial scale. The wall construction is XHD (extra heavy duty) — markedly thicker than the MD variant, built for bulk distribution of grain, feed, sand-filled foods or powders that would otherwise wear out a standard food hose quickly. Food-grade per EU 10/2011, FDA 21 CFR 177.2600, GMP EU 2023/2006 and ATEX-approved for Zone 0-22.

R: $<10^9 \Omega$

ATEX: Zone 0/1/2 + 20/21/22

Media: Gas, Dust, Liquid

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Bulk distribution of grain, feed and sand-filled foods
- Tablet presses with strongly abrasive active ingredients
- Pneumatic conveying over long distances in food production
- Silo trucks and bulk loading with foods in classified zones
- Vacuum pumps with food contact and high abrasion loading

Technical specifications

Material	Polyurethane (PUR), food-grade and permanently antistatic
Colour	Transparent
Wall construction	Extra heavy duty (XHD), heavily reinforced food-grade PUR with stainless steel spiral
Spiral material	stainless steel (INOX)
Conveying media	Gas, Dust, Liquid
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Electrical resistance	<10 ⁹ Ω
ATEX classification	II 1/2GD (interior zone 0/1/2 gases, zone 20/21/22 dust; exterior zone 1/21) — antistatic per TRGS 727 ATEX 2014/34/EU (1999/92/EC) + TRGS 727
Cut to length	Yes
Manufacturer SKU	3561018

Standards and compliance

ATEX 2014/34/EU, TRGS 727, din-26057-4, EU 1935/2004, EU 10/2011, fda-21-cfr-177-2600, gmp-eu-2023-2006, REACH, RoHS

Dimensions and ordering

The hose is supplied in 23 standard sizes from inner Ø 32.0 mm to 200.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
32	44	1.8	5.18	1	90	25	0.63	10	35600321018
38	49	1.8	4.425	1	104	25	0.73	-	35600381018
40	51	1.8	4.225	1	109	25	0.76	10	35600401018
50.5	61.5	1.8	3.43	1	134	25	0.93	10	35600501018
51	62	1.8	3.155	1	134	21	0.94	-	35600511018
55	66	1.8	2.89	1	151	25	1.01	-	35600551018
60	71	1.8	2.89	1	156	25	1.09	10	35600601018
63	74	1.8	2.78	1	163	25	1.14	10	35600631018
65	76	1.8	2.675	1	169	25	1.18	10	35600651018
70	82	1.8	2.495	1	186	25	1.27	-	35600701018
75	86	1.8	2.335	1	195	25	1.34	10	35600751018
76	87	1.8	2.33	1	195	25	1.36	10	35600761018
80	92	1.8	2.195	1	205	25	1.44	10	35600801018
89	101	1.8	2.17	1	250	10	1.59	5	35600891018
90	103	2	2.17	1	250	25	2.05	10	35600901018
100	113	2	1.96	1	272	20	2.26	10	35601001018
102	115	2	1.89	1	272	130.79	2.3	10	35601021018
115	128	2	1.58	0.88	320	20	2.58	-	35601151018
125	138	2	1.58	0.88	336	20	2.79	-	35601251018
127	140	2	1.45	0.87	336	12	2.84	-	35601271018
150	163	2	1.32	0.735	435	15	3.67	-	35601501018
152	165	2	1.375	0.725	435	10	3.71	-	35601521018
200	213	2	-	-	-	15	4.84	-	35602001018

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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particulair.eu/hardo	Explosion-protected electrical Ex-equipment

Contact and advisory

Particulair

Højtoften 12
2690 Karlslunde, Denmark
CVR: 34129894

Phone: (+45) 70 23 12 03
E-mail: sales@particulair.com
Web: particulair.eu

Product page: particulair.eu/flexcore/en/food-pharma/airduc-pur-inox-356-food-as-xhd/

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This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.