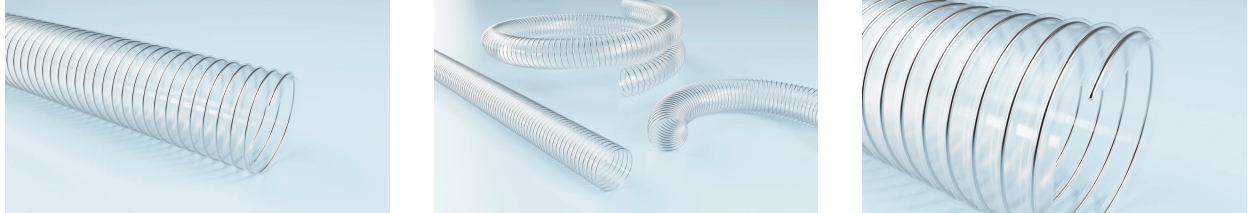


FOOD/PHARMA · II 3D (zone 22) — antistatic, food-grade per TRGS 727

## AIRDUC® PUR-INOX 355 FOOD-AS (HD)

Antistatic food-grade heavy-duty PUR hose with stainless steel spiral



Heavy-duty food-grade PUR hose with stainless steel spiral (INOX) for areas where galvanised steel is not permitted. Antistatic surface makes it ATEX-suitable for zone 22, and the stainless spiral resists CIP/SIP cleaning and humid environments. Suitable for dairies, beverage production and pharma processes.

**R:**  $<10^9 \Omega$

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

**Media:** Gas, Dust, Liquid, Granulate

**Temp:** -40 °C to 90 °C

✓ Cut to length

### APPLICATIONS

- Pneumatic conveying of dry foodstuffs where INOX spiral is required
- Dairy processes with CIP/SIP cleaning (milk powder, whey, dairy products)
- Pharmaceutical powder transfer and tablet presses
- Aquaculture and fish-feed transport (saltwater exposure)
- Bulk handling on central silo installations in ATEX zones
- Animal-feed transport where galvanised steel spiral is not permitted

## Technical specifications

<b>Material</b>	Food-grade PUR, antistatic surface
<b>Colour</b>	Transparent
<b>Wall construction</b>	Heavy-duty PUR wall with embedded stainless steel spiral (INOX)
<b>Conveying media</b>	Gas, Dust, Liquid, Granulate
<b>Temperature range</b>	-40 °C – 90 °C
<b>Short-term peak</b>	125 °C
<b>Electrical resistance</b>	<10 <sup>9</sup> Ω
<b>ATEX classification</b>	II 3D (zone 22) — antistatic, food-grade per TRGS 727 ATEX 2014/34/EU (1999/92/EC) + TRGS 727
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	3551001-INOX

### Standards and compliance

ATEX 2014/34/EU, TRGS 727, DIN 26057 Type 2, EU 1935/2004, EU 10/2011, FDA 21 CFR 177.2600, REACH, RoHS

## Dimensions and ordering

The hose is supplied in 18 standard sizes from inner Ø 25.1 mm to 202.3 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.
25.1	32.1	1.2	3.565	1	20	25	0.28	10	35500251018
32	42	1.5	3.49	1	26	25	0.43	10	35500321018
38	48	1.5	2.975	0.985	29	25	0.49	10	35500381018
40	50	1.5	2.835	0.935	30	30	0.52	10	35500401018
50.5	60.5	1.5	2.3	0.75	35	30	0.64	5, 10	35500501018
55	65	1.5	2.1	0.68	38	30	0.69	10	35500551018
60	70	1.5	1.93	0.625	40	30	0.75	10	35500601018
64.5	74.5	1.5	1.79	0.575	43	30	0.8	10	35500651018
70	81	1.5	1.665	0.505	62	25	0.94	10	35500701018
75	85	1.5	1.56	0.475	66	25	1	5, 10	35500751018
80	91	1.5	1.465	0.45	69	25	1.06	10	35500801018
90	100	1.5	1.305	0.395	76	25	1.18	10	35500901018
101.5	112.5	1.5	1.18	0.385	83	25	1.44	5, 10	35501001018
126.5	137.5	1.5	0.95	0.305	101	25	1.77	10	35501251018
151.5	163.5	1.5	0.795	0.285	118	20	2.33	10	35501501018
160	172	1.5	0.745	0.265	125	20	2.46	10	35501601018
180	192	1.5	0.665	0.235	139	20	2.75	-	35501801018
202.3	215.3	1.5	0.6	0.145	156	15	3.02	-	35502001018

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<a href="https://particulair.eu/hardo">particulair.eu/hardo</a>	Explosion-protected electrical Ex-equipment

## Contact and advisory

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### Particulair

Højtoften 12  
2690 Karlslunde, Denmark  
CVR: 34129894

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

**Product page:** [particulair.eu/flexcore/en/food-pharma/airduc-pur-inox-355-food-as-hd/](https://particulair.eu/flexcore/en/food-pharma/airduc-pur-inox-355-food-as-hd/)

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