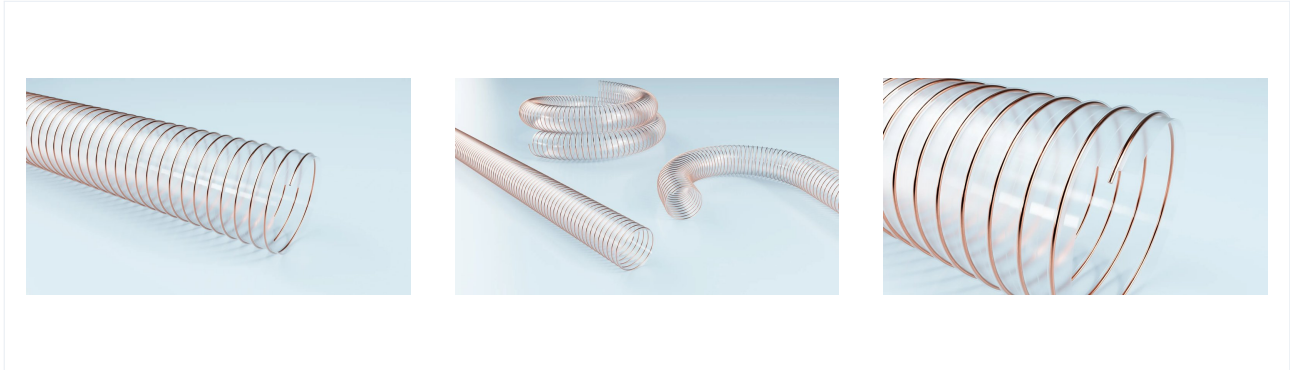


FOOD/PHARMA - II 1/2GD (interior zone 0/20, exterior zone 1/21) -- antistatic per TRGS 727

## AIRDUC® PUR 350 FOOD-AS (MD)

Food-grade antistatic polyurethane hose for pneumatic conveying of flour, grain and pharmaceutical products



Highly abrasion-resistant food-grade suction and pressure hose in polyurethane with antistatic wall ( $<10^9 \Omega$ ). Suited to pneumatic conveying of food, animal feed and pharmaceutical powders. Complies with EU 10/2011, EU 1935/2004, FDA 21 CFR 177.2600, GMP EC 2023/2006 and ATEX 2014/34/EU. Broad size range from 25 mm to 500 mm.

**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 food and animal feed
- Powder and granulate transport in pharmaceutical production
- Vapour extraction in food production
- Dust extraction in mills and bakeries
- Vacuum cleaners and industrial vacuums in food industry

## Technical specifications

<b>Material</b>	Food-grade polyurethane (PUR) with antistatic wall
<b>Colour</b>	Transparent
<b>Wall construction</b>	MD-thick PUR wall with embedded steel spiral, antistatic formulation
<b>Spiral material</b>	Galvanised steel wire
<b>Conveying media</b>	Gas, Dust, Liquid, Granulate
<b>Temperature range</b>	-40 °C – 90 °C
<b>Electrical resistance</b>	$<10^9 \Omega$
<b>ATEX classification</b>	II 1/2GD (interior zone 0/20, exterior zone 1/21) -- antistatic per TRGS 727 ATEX 2014/34/EU (1999/92/EC) + TRGS 727
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	3500000

### Standards and compliance

EU 10/2011, EU 1935/2004, fda-21-cfr-177-2600, ATEX 2014/34/EU, TRGS 727, DIN 26057 Type 2, gmp-ec-2023-2006, REACH, RoHS

## Dimensions and ordering

The hose is supplied in 61 standard sizes from inner Ø 25.1 mm to 500.0 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]	Press. 50% [bar]	Vacuum DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
25.1	32.1	0.7	2.445	5.45	0.755	1	23	25	0.2	10	35000250000
30	37	0.7	2.055	4.57	0.63	1	26	25	0.24	10	35000300000
32	39	0.7	1.93	4.29	0.59	1	27	25	0.25	10	35000320000
35	42	0.7	1.77	3.94	0.54	1	29	25	0.27	10	35000350000
38	45	0.7	1.635	3.64	0.495	1	31	25	0.29	10	35000380000
40	47	0.7	1.555	3.46	0.47	1	32	30	0.31	10, 15	35000400000
45	52	0.7	1.39	3.08	0.42	1	35	30	0.34	10	35000450000
50.5	57.5	0.7	1.25	2.78	0.38	1	38	30	0.38	10, 15, 20	35000500000
50.6	58	0.7	1.25	2.78	0.38	1	38	20	0.38	-	35000510000
55	62	0.7	1.14	2.53	0.345	0.99	41	30	0.41	10	35000550000
60	67	0.7	1.05	2.33	0.315	0.83	44	30	0.45	10	35000600000
64.5	71.5	0.7	0.97	2.15	0.29	0.71	47	30	0.48	10	35000650000
64.5	71.5	0.7	0.97	2.15	0.29	0.71	-	20	0.48	-	35000630000
70	78	0.7	0.9	2	0.185	0.83	50	30	0.51	10	35000700000
75.6	83	0.7	0.84	1.87	0.175	0.72	53	30	0.55	10	35000750000
75.6	83.5	0.7	0.84	1.87	0.175	0.72	53	20	0.55	-	35000760000
80	88	0.7	0.79	1.75	0.16	0.64	56	30	0.58	10, 15	35000800000
85	93	0.7	0.705	1.56	0.145	0.51	59	15	0.62	-	35000850000
90	98	0.7	0.705	1.56	0.145	0.51	62	30	0.65	10	35000900000
98	106	0.7	0.635	1.41	0.135	0.66	67	20	0.71	-	35000980000
101.5	109.5	0.7	0.635	1.41	0.135	0.66	68	25	0.86	10, 15	35001000000
101.5	110	0.7	0.635	1.41	0.135	0.66	68	20	0.86	-	35001020000
110	118	0.7	0.575	1.28	0.125	0.55	74	25	0.93	10, 15	35001100000
115	123	0.7	0.55	1.22	0.12	0.5	77	25	0.97	10	35001150000
120	128	0.7	0.53	1.17	0.115	0.46	80	25	1.01	10	35001200000
126.5	134.5	0.7	0.51	1.13	0.11	0.42	83	25	1.06	10	35001250000
126.5	135	0.7	0.49	1.08	0.105	0.39	83	20	1.06	-	35001270000
130	138	0.7	0.49	1.08	0.105	0.39	86	25	1.09	10	35001300000
140	148	0.7	0.455	1.01	0.095	0.33	92	25	1.17	10	35001400000
151.5	159.5	0.7	0.425	0.94	0.075	0.36	98	20	1.29	10	35001500000
151.5	160	0.7	0.4125	0.91	0.0725	0.335	98	15	1.29	-	35001520000
155	163	0.7	0.4	0.88	0.07	0.31	102	10	1.32	-	35001550000

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Press. 50% [bar]	Vacuum DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
160	168	0.7	0.4	0.88	0.07	0.31	104	20	1.36	10	35001600000
170	178	0.7	0.375	0.83	0.065	0.28	108	20	1.44	-	35001700000
175	183	0.7	0.365	0.81	0.065	0.26	113	20	1.49	10	35001750000
178	186	0.7	0.355	0.78	0.06	0.24	115	15	1.51	-	35001780000
180	188	0.7	0.355	0.78	0.06	0.24	116	20	1.53	10	35001800000
182	190	0.7	0.3375	0.745	0.0575	0.215	118	15	1.56	-	35001820000
202.3	210.3	0.7	0.32	0.71	0.055	0.19	128	15	1.75	10	35002000000
202.3	211	0.7	0.32	0.71	0.055	0.19	128	15	1.71	-	35002030000
205	213	0.7	0.3025	0.67	0.0525	0.0845	130	15	1.73	-	35002050000
210	218	0.7	0.3025	0.67	0.0525	0.17	-	15	1.78	-	35002100000
220	228	0.7	0.285	0.63	0.05	0.15	142	15	1.86	-	35002200000
225	233	0.7	0.285	0.63	0.05	0.15	143	15	1.9	5, 10	35002250000
228.5	236.5	0.7	0.27	0.6	0.0475	0.135	145	15	1.93	-	35002280000
230	238	0.7	0.27	0.6	0.0475	0.135	-	15	1.94	-	35002300000
250	258	0.7	0.255	0.57	0.045	0.12	158	15	2.11	10	35002500000
254	262	0.7	0.25	0.56	0.045	0.11	160	15	2.14	-	35002540000
255	263	0.7	0.24	0.535	0.0425	0.1	-	15	2.15	-	35002550000
275	283	0.7	0.23	0.04	0.04	0.09	173	15	2.32	-	35002750000
280	288	0.7	0.23	0.51	0.04	0.09	176	15	2.36	-	35002800000
300	308	0.7	0.215	0.47	0.035	0.08	188	10	2.52	10	35003000000
305	313	0.7	0.2	0.435	0.0325	0.065	191	10	2.56	-	35003050000
320	328	0.7	0.2	0.435	0.0325	0.065	-	10	2.69	-	35003200000
325	333	0.7	0.185	0.4	0.03	0.05	-	10	2.73	-	35003250000
350	358	0.7	0.185	0.4	0.03	0.05	218	10	2.94	10	35003500000
356	366	0.7	0.18	0.4	0.03	0.06	222	10	3	-	35003560000
375	383	0.7	0.16	0.35	0.03	0.05	-	10	3.56	-	35003750000
400	408	0.7	0.16	0.35	0.03	0.05	248	10	3.8	10	35004000000
450	458	0.7	0.14	0.32	0.025	0.04	281	10	4.27	-	35004500000
500	508	0.7	-	-	-	-	313	10	4.74	-	35005000000

Overpressure and underpressure are recommended operating limits; products can be subjected to higher loads on request. The bend radius is measured along the inside of the hose bend.

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## Contact and advisory

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**Product page:** [particulair.eu/flexcore/en/food-pharma/airduc-pur-350-food-as-md/](https://particulair.eu/flexcore/en/food-pharma/airduc-pur-350-food-as-md/)

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