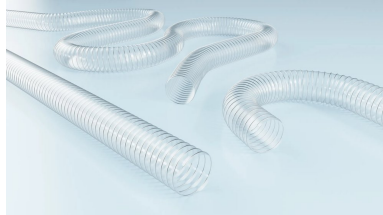
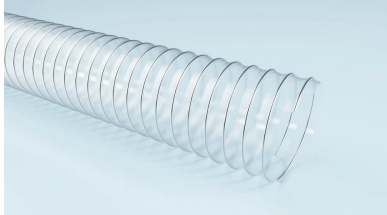


FOOD/PHARMA · in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)

PROTAPE PUR-INOX 330 FOOD-AS (LD)

Food-grade, antistatic PUR hose with INOX spiral for ATEX and hygiene



PROTAPE PUR-INOX 330 FOOD-AS (LD) is a highly flexible suction and transport hose that combines food approval per EU 10/2011 Cat E + LFGB + FDA with an antistatic wall below 10^9 ohm. The hose has an INOX (stainless steel) spiral instead of standard spring-steel wire - critical in food zones where CIP cleaning continuously exposes the spiral to bases and acids. The ATEX qualification covers all dust zones (20, 21, 22) and all gas zones (0, 1, 2) inside - a particularly broad explosion protection for powder and granulate handling in bakeries, dairies and pharmaceutical production.

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 powder transport in food production
- Flour, sugar and grain handling in bakeries
- Bulk bag charging and discharging in pharmaceutical production
- Dust extraction in classified zones with food requirements
- CIP-cleanable transport in dairy applications
- Granulate transport where both hygiene and ATEX are required

Technical specifications

Material	Food-grade polyether-based polyurethane (PUR), antistatic
Colour	transparent
Wall construction	Smooth outer wall, smooth inner, embedded spring-steel wire + INOX stainless steel spiral as additional reinforcement
Spiral material	Fjederstaalraad + INOX rustfrit staal
Conveying media	Gas, Dust, Liquid, Granulate
Temperature range	-40 °C – 90 °C
Short-term peak	90 °C
Electrical resistance	<10 ⁹ Ω
ATEX classification	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), 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) ATEX 2014/34/EU (1999/92/EC) + TRGS 727
Cut to length	Yes
Manufacturer SKU	3301018

Standards and compliance

EU 1935/2004, EU 10/2011, GMP EU 2023/2006, LFGB (German food law), fda, ISO 8031 (electrical resistance), atex-2014-34, TRGS 727, REACH, RoHS

Dimensions and ordering

The hose is supplied in 25 standard sizes from inner Ø 38.0 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.
38	43	0.6	1.075	4.36	0.355	0.77	26	20	0.22	10	33000381018
40	48	0.6	1.02	4.15	0.335	0.69	27	30	0.28	10	33000401018
50.5	58.5	0.6	0.82	3.34	0.22	0.87	33	30	0.38	10	33000501018
60	68	0.6	0.685	2.8	0.18	0.61	38	30	0.45	10	33000601018
64.5	72.5	0.6	0.635	2.59	0.165	0.52	41	30	0.48	-	33000651018
70	78	0.6	0.59	2.41	0.155	0.45	43	30	0.52	10	33000701018
75.6	83.6	0.6	0.55	2.25	0.145	0.4	46	30	0.55	10	33000751018
80	88	0.6	0.515	2.11	0.135	0.35	48	30	0.59	10	33000801018
101.5	109.5	0.6	0.415	1.7	0.08	0.31	58	30	0.7	10	33001001018
105	113	0.6	-	-	-	-	-	30	0.73	-	33001051018
115	123	0.6	-	-	-	-	-	30	0.79	-	33001151018
120	128	0.6	-	-	-	-	-	30	0.82	-	33001201018
126.5	134.5	0.6	0.335	1.36	0.065	0.2	71	30	0.87	10	33001251018
151.5	159.5	0.6	0.275	1.14	0.055	0.14	83	25	1.03	10	33001501018
155	163	0.6	-	-	-	-	-	25	1.06	-	33001551018
160	168	0.6	0.26	1.07	0.05	0.12	88	25	1.09	10	33001601018
180	190	0.6	0.23	0.95	0.045	0.1	98	25	1.23	-	33001801018
202.3	210.3	0.6	0.21	0.85	0.03	0.11	108	20	1.35	10	33002001018
205	213	0.6	-	-	-	-	-	20	1.59	-	33002051018
225	233	0.6	-	-	-	-	-	20	1.74	-	33002251018
250	258	0.6	0.165	0.68	0.025	0.07	133	15	1.93	10	33002501018
255	263	0.6	-	-	-	-	-	15	1.97	-	33002551018
300	309	0.6	0.14	0.57	0.02	0.05	158	10	2.54	10	33003001018
305	314	0.6	-	-	-	-	-	10	2.58	-	33003051018
500	509	0.6	-	-	-	-	-	10	5.3	-	33005001018

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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Product page: particulair.eu/flexcore/en/food-pharma/protape-pur-inox-330-food-as-ld/

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