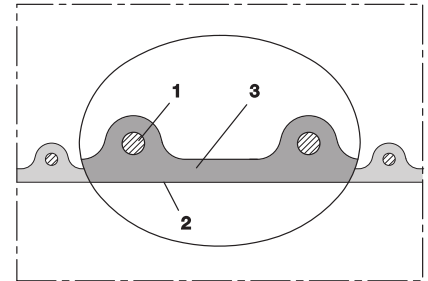
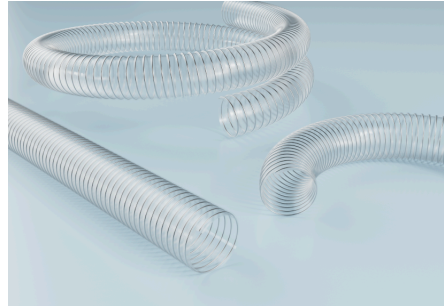
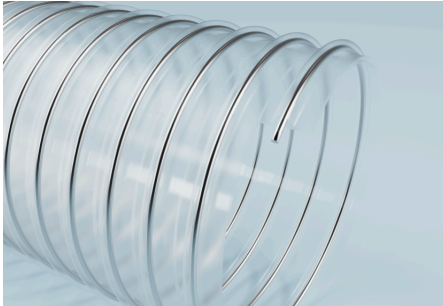


AIRDUC® PUR-INOX 355 FOOD-AS (HD)

SKU: 3551018

Highly abrasion-resistant suction and pressure hose with stainless steel spiral, antistatic, high pressure and vacuum resistance, ideal for transporting dry products in the food and pharmaceutical industry.



Technical specifications

Abrasion resistance

- Highly abrasion-resistant

Medium

- Gas, Dust, Liquid, Solid

Areas of application

Applications

- Bulk-bag-charging and discharging, Roof gravelling, Dedusting systems, Rock drills, Granulate conveying, Industrial robots, Sweepers, Municipal vehicles, Parquet flooring grinding machines, Pharmaceutical, Powder management, Suction trucks, Silo trucks, Seeder, Tablet presses, Toilet discharging, Vacuum pumps, Filling systems, Dosing systems, Fertilisers, Waste management technology, Fish farming, Conveying of abrasive media, Feed transport, Beverage filling, Grain conveying, Leaf extraction, Food production & conveying, Food pumps, Ventilation, Material conveying, Dairy products, Milk processing, Pellet conveying, Pneumatic conveying systems, Powder application in offset printing machines, Seed conveying, Sandblasting, Injection moulding machines, Tank loading / Tank unloading, Tank cleaning, Animal feed, Tunnel construction, Packaging machines

Industries

- Paper industry, Agricultural industry, Aquaculture, Municipal services, Food industry, Mechanical engineering, Pharmaceutical industry, Cleaning industry, Waste disposal and environmental technology, Vehicle construction, Municipal vehicle industry, Waste and recycling industry, Automation industry, Silo and conveying technology industry, Beverage industry

Pressure and temperature

Temperature normal range (min/max)

- -40 °C – 90 °C

Short-term temperature peak

- 125 °C

Electrical properties

Electrical contact resistance

- Antistatic <10⁹ Ω

Material and colour

Colour

- Transparent

Material

- Premium polyether polyurethane (Pre-PUR®)

Material spiral

- Stainless Steel (INOX)

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Durability and standards

Standards

- 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 $10^8 \cdot 10^9 \Omega$)
- according to DIN 26057 Type 3
- REACH according to --> Technology / Technical Information / REACH
- 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)
- manufacturing process acc. GMP EC 2023/2006
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011, EC 1935/2004 and EU 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600
- 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),
- RoHS

Test conditions

- 2 hours at 70 °C (Category E)

Food standards

- EU 10/2011 Cat. E, EU 1935/2004, (GMP) EU 2023/2006

Compatibility

Type of assembly

- Clamp fitting, Clamping shells, Compaction, sprue, Assembly with threaded coupling

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Inner diameter	Outer diameter	Working pressure at 20°C	Vacuum	Total wall thickness	Bending radius	Max. production length	Weight	Length	Spiral pitch	Article Number
[mm]	[mm]	[bar]	[bar]	[mm]	[mm]	[m]	[kg]	[m]	[mm]	
25.1	32.1	3.565	1	1.2	20	25	0.28	10	10,5	35500251018
32	42	3.49	1	1.5	26	25	0.43	10	13,5	35500321018
38	48	2.975	0.985	1.5	29	25	0.49	10	13,5	35500381018
40	50	2.835	0.935	1.5	30	30	0.52	10	13,5	35500401018
50.5	60.5	2.3	0.75	1.5	35	30	0.64	5, 10	13,5	35500501018
55	65	2.1	0.68	1.5	38	30	0.69	10	13,5	35500551018
60	70	1.93	0.625	1.5	40	30	0.75	10	13,5	35500601018
64.5	74.5	1.79	0.575	1.5	43	30	0.8	10	13,5	35500651018
70	81	1.665	0.505	1.5	62	25	0.94	10	15	35500701018
75	85	1.56	0.475	1.5	66	25	1	5, 10	15	35500751018
80	91	1.465	0.45	1.5	69	25	1.06	10	15	35500801018
90	100	1.305	0.395	1.5	76	25	1.18	10	15	35500901018
101.5	112.5	1.18	0.385	1.5	83	25	1.44	5, 10	15	35501001018
126.5	137.5	0.95	0.305	1.5	101	25	1.77	10	15	35501251018
151.5	163.5	0.795	0.285	1.5	118	20	2.33	10	15	35501501018
160	172	0.745	0.265	1.5	125	20	2.46	10	15	35501601018
180	192	0.665	0.235	1.5	139	20	2.75	-	15	35501801018
202.3	215.3	0.6	0.145	1.5	156	15	3.02	15	19,5	35502001018