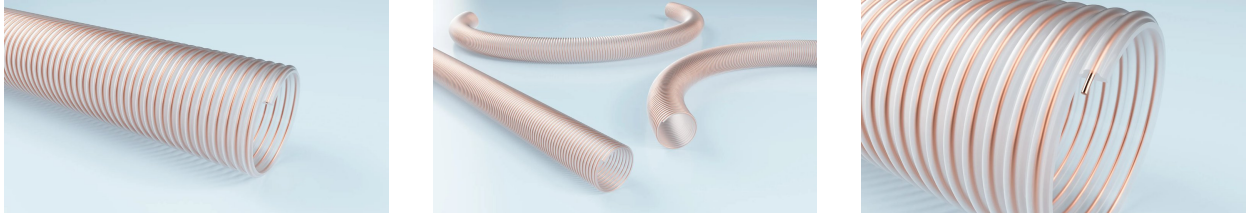


ATEX/ESD · II 2D (interior zone 20/21/22, exterior zone 21) — antistatic per TRGS 727

AIRDUC® PUR 356 AS (XHD)

Antistatic extra heavy-duty PUR hose for the toughest media in ATEX zones



Extra heavy-duty antistatic polyurethane hose (XHD wall, 1.8 mm) for extremely abrasive media in ATEX zones. The construction is DIN 26057 Type 4 — the highest abrasion class in the AIRDUC family — and the hose is built for applications where an HD construction does not last long enough. The antistatic surface ($<10^9 \Omega$) meets TRGS 727 + NFPA 652, and it is flame-retardant per UL94-V2 + DIN 4102-B1.

R: $<10^9 \Omega$

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

Media: Gas, Dust, Granulate

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Pneumatic transport of gas and dust and granulate
- Industrial extraction and collection
- Process plants and production environments
- Mobile installations and flexible routing
- Vacuum and low-pressure systems

Technical specifications

Material	Polyurethane (PUR), reinforced construction
Colour	Transparent / light grey
Wall construction	Extra heavy-duty PUR wall with double thickness and embedded steel spiral
Conveying media	Gas, Dust, Granulate
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Electrical resistance	$<10^9 \Omega$
ATEX classification	II 2D (interior zone 20/21/22, exterior zone 21) — antistatic per TRGS 727 ATEX 2014/34/EU (1999/92/EC) + TRGS 727
Cut to length	Yes
Manufacturer SKU	3561001-AS

Standards and compliance

ATEX 2014/34/EU, TRGS 727, DIN 26057 Type 2, REACH, RoHS

Dimensions and ordering

The hose is supplied in 39 standard sizes from inner Ø 32.0 mm to 300.0 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	5.235	1	90	25	0.64	10, 15	35600320000
38	50	1.8	4.475	1	104	25	0.74	10, 15	35600380000
40	52	1.8	4.27	1	109	25	0.77	10, 15	35600400000
45	57	1.8	3.825	1	129	25	0.86	10, 15	35600450000
48	60	1.8	3.47	1	132	25	0.91	-	35600480000
50	62.5	1.8	3.47	1	134	25	0.94	10, 15	35600500000
51	63	1.8	3.2	1	134	25	0.96	10	35600510000
55	67	1.8	3.17	1	151	25	1.03	10, 15	35600550000
60	72	1.8	2.92	1	156	25	1.1	10, 15	35600600000
63	75	1.8	2.81	1	163	25	1.16	-	35600630000
65	77	1.8	2.705	1	169	25	1.2	10	35600650000
70	83	1.8	2.52	1	186	25	1.29	10	35600700000
75	88	1.8	2.36	1	195	25	1.37	10, 15	35600750000
76	89	1.8	2.355	1	195	25	1.39	10, 15	35600760000
77	90	1.8	2.22	1	197	15	1.4	-	35600770000
80	93	1.8	2.22	1	205	25	1.46	10, 15	35600800000
90	104	2	2.195	1	-	25	2.08	10	35600900000
100	113	2	1.98	1	272	20	2.27	10, 15	35601000000
102	115	2	1.89	1	272	20	2.31	10, 15	35601020000
110	123	2	1.805	1	300	20	2.5	10	35601100000
115	128	2	1.73	0.975	317	20	2.61	10	35601150000
120	133	2	1.66	0.93	330	20	2.71	10	35601200000
125	138	2	1.595	0.895	336	20	2.82	10	35601250000
127	140	2	1.565	0.89	336	20	2.84	10, 15	35601270000
130	143	2	1.535	0.86	355	20	2.93	10	35601300000
140	152	2	1.43	0.8	395	20	3.13	10	35601400000
150	163	2	1.335	0.745	435	15	3.71	10, 15	35601500000
152	165	2	1.305	0.735	435	15	3.73	10, 15	35601520000
160	173	2	1.255	0.7	470	15	3.95	10	35601600000
170	183	2	1.18	0.66	600	15	4.18	-	35601700000
175	188	2	1.15	0.64	700	15	4.3	10	35601750000
178	191	2	1.12	0.62	770	15	4.37	-	35601780000

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.
180	193	2	1.12	0.62	830	15	4.42	-	35601800000
200	214	2	1.01	0.56	950	15	5.99	10	35602000000
203	217	2	0.955	0.55	950	15	6.06	-	35602030000
225	239	2	0.9	0.495	1.175	15	6.71	-	35602250000
250	264	2	0.81	0.445	1.3	15	7.38	5	35602500000
254	268	2	0.675	0.375	1.34	15	7.55	-	35602540000
300	314	2	0.675	0.375	1.575	10	8.88	-	35603000000

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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/atex-esd/airduc-pur-356-as-xhd/

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