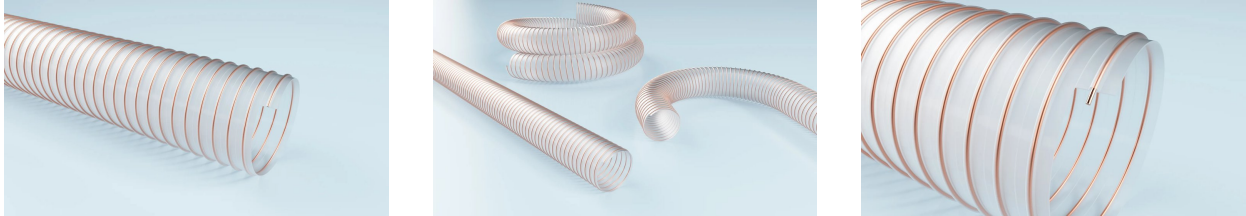


ATEX/ESD · II 3D (interior zone 22, exterior zone 22) — antistatic per TRGS 727

AIRDUC® PUR 350 AS (MD)

Lightweight antistatic PUR hose for pneumatic transport in ATEX zones



Antistatic polyurethane hose in medium-duty construction (MD wall, 0.7-1.5 mm) for abrasive media in ATEX zones. Surface resistance below $10^9 \Omega$ meets TRGS 727 and NFPA 652 limits for antistatic extraction. The hose is also flame-retardant rated to UL94-V2 and DIN 4102-B1 — a combination not common in MD construction, and it covers a wide range: industrial vacuums, wood processing, grain pneumatics and extraction systems in dust-classified zones.

R: $<10^9 \Omega$

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

Media: Gas, Dust

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

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

Technical specifications

Material	Polyurethane (PUR), medium-duty
Colour	Transparent
Wall construction	Medium-duty PUR wall with embedded steel spiral
Conveying media	Gas, Dust
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Electrical resistance	$<10^9 \Omega$
ATEX classification	II 3D (interior zone 22, exterior zone 22) — antistatic per TRGS 727 ATEX 2014/34/EU (1999/92/EC) + TRGS 727
Cut to length	Yes
Manufacturer SKU	3501001-AS

Standards and compliance

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

Dimensions and ordering

The hose is supplied in 48 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	35000251002
30	37	0.7	2.055	4.57	0.63	1	26	25	0.24	10	35000301002
32	39	0.7	1.93	4.29	0.59	1	27	25	0.25	10	35000321002
38	45	0.7	1.635	3.64	0.495	1	31	25	0.29	10, 15	35000381002
40	47	0.7	1.555	3.46	0.47	1	32	30	0.3	10, 15	35000401002
45	52	0.7	1.39	3.08	0.42	1	35	30	0.34	10	35000451002
48	55	0.7	-	-	-	-	-	30	0.36	-	35000481002
50.5	57.5	0.7	1.25	2.78	0.38	1	38	30	0.38	5, 10, 15	35000501002
55	62	0.7	1.14	2.53	0.345	0.99	41	30	0.41	10	35000551002
60	67	0.7	1.05	2.33	0.315	0.83	44	30	0.45	10, 15	35000601002
61	68	0.7	0.97	2.15	0.29	0.71	45	30	0.45	-	35000611002
64.5	71.5	0.7	0.97	2.15	0.29	0.71	47	30	0.48	10	35000651002
70	78	0.7	0.9	2	0.185	0.83	50	30	0.51	10	35000701002
75	83	0.7	0.84	1.87	0.175	0.72	53	30	0.55	10, 15	35000751002
80	88	0.7	0.79	1.75	0.16	0.64	56	30	0.58	5, 10, 15	35000801002
83	91	0.7	0.705	1.56	0.145	0.51	60	15	0.61	-	35000831002
90	98	0.7	0.705	1.56	0.145	0.51	62	30	0.65	10	35000901002
101.5	109.5	0.7	0.635	1.41	0.135	0.66	68	25	0.85	5, 10, 15	35001001002
110	118	0.7	0.575	1.28	0.125	0.55	74	25	0.93	10	35001101002
115	123	0.7	0.55	1.22	0.12	0.5	77	25	0.97	10	35001151002
120	128	0.7	0.53	1.17	0.115	0.46	80	25	1	5, 10, 15	35001201002
126.5	134.5	0.7	0.51	1.13	0.11	0.42	83	25	1.05	5, 10, 15	35001251002
130	138	0.7	0.49	1.08	0.105	0.39	86	25	1.09	10	35001301002
140	148	0.7	0.455	1.01	0.095	0.33	92	25	1.17	5, 10	35001401002
151.5	159.5	0.7	0.425	0.94	0.075	0.36	98	20	1.28	5, 10, 15	35001501002
160	168	0.7	0.4	0.88	0.07	0.31	104	20	1.35	5, 10, 15	35001601002
163	171	0.7	0.375	0.83	0.065	0.28	106	15	1.41	-	35001631002
165	173	0.7	0.375	0.83	0.065	0.28	107	20	1.4	-	35001651002
170	178	0.7	0.375	0.83	0.065	0.28	108	20	1.45	10	35001701002
175	183	0.7	0.365	0.81	0.065	0.26	113	20	1.49	-	35001751002
180	188	0.7	0.355	0.78	0.06	0.24	116	20	1.53	10	35001801002
202.3	210.3	0.7	0.32	0.71	0.055	0.19	128	15	1.7	5, 10, 15	35002001002

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.
204	212	0.7	0.285	0.63	0.065	0.28	138	15	1.75	-	35002041002
225	233	0.7	0.285	0.63	0.05	0.15	143	15	1.9	10	35002251002
250	258	0.7	0.255	0.57	0.045	0.12	158	15	2.11	5, 10	35002501002
254	262	0.7	0.25	0.56	0.045	0.11	160	15	2.14	10	35002541002
275	283	0.7	0.23	0.51	0.04	0.09	173	15	2.32	-	35002751002
280	288	0.7	0.23	0.51	0.04	0.09	176	15	2.36	10	35002801002
300	308	0.7	0.215	0.47	0.035	0.08	188	10	2.52	10	35003001002
305	313	0.7	0.21	0.46	0.035	0.07	191	10	2.57	-	35003051002
315	323	0.7	0.205	0.45	0.035	0.07	197	10	2.65	10	35003151002
325	333	0.7	0.185	0.4	0.03	0.05	210	10	2.74	-	35003251002
350	358	0.7	0.185	0.4	0.03	0.05	218	10	2.94	10	35003501002
356	366	0.7	0.18	0.4	0.03	0.06	222	10	3	-	35003561002
400	408	0.7	0.16	0.35	0.03	0.05	248	10	3.81	5, 10	35004001002
406	414	0.7	-	-	-	-	-	10	3.86	-	35004061002
450	458	0.7	0.14	0.32	0.025	0.04	281	10	4.28	-	35004501002
500	508	0.7	-	-	-	-	313	10	4.75	-	35005001002

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