

AIRDUC® PUR 355 AS

Antistatic polyurethane hose, heavy duty, microbe resistant + flame-retardant

Applications:

flexible hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases
plastic industry, conveying of granulates and powders: granulate conveying device, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine

printed circuit board drilling machines (PCB)
powder spraying, powder coating: e.g. printing industry
offset printing machine: air supply, air supply cabinet
industrial vacuum cleaners, vacuum cleaners
explosion hazard area
agricultural industry, conveying of seed and fertilizers: seeding machine, seed drill, drilling machine
agricultural industry: pneumatic grain conveyer
construction industry, road milling machine
raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
compressor, side channel blower, vacuum pump, pressure pump, pump
paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems
surface preparation: shot blasting/ sand blasting recovery (blasting chamber), ship yard, stripping machine, flooring preparation machine, grinding machine
municipal vehicle: sweeper, sweeping machine
municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector
vacuum lifting device, vacuum handling system

Properties:

heavy duty
highly abrasion resistant
increased pressure and vacuum resistance
microbe resistant
good resistance to oil, gasoline, and chemicals
very good low temperature flexibility
flame-retardant according to: UL94-V2
flame-retardant according to: DIN 4102-B1
permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance <10⁹ Ω and in accordance with TRGS 727 <2,5*10⁸Ω
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)

conforms to the safety regulations of the German Wood Trade Association
according to DIN 26057 Type 3
conforms to RoHS guideline

Temperature range:

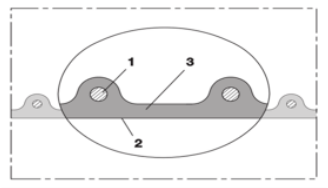
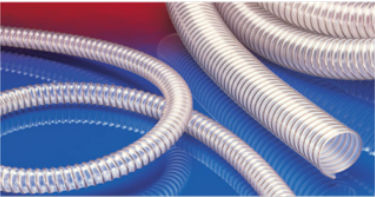
-40°F to 195°F
short time to 255°F

Design, material:

AIRDUC® profile hose
1. spring steel wire firmly embedded in the wall
2. wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
3. wall thickness 0.055 - 0.060 inch approximate

Delivery variants:

further diameters and lengths available on request
transparent (standard)
special colors: partially colored, completely colored
customer-specific branding



I.D. in/mm	O.D. in	Pressure psi	Vacuum DIN inHg	Bending Radius in	Weight lbs./ft	Stock length ft	Order No.	Order No.	Article Name	suitable fo
1 / 25	1.25	55.90 (105.95)	29.53 (29.53)	3/4	0.190	25	355-0025-0000	35500250000-0000002500	AIRDUC® PUR 355 AS	Yes
1 / 25	1.25	55.90 (105.95)	29.53 (29.53)	3/4	0.190	50	355-0025-0000	35500250000-0000005000	AIRDUC® PUR 355 AS	Yes
1.25 / 32	1.65	54.70 (103.65)	29.53 (29.53)	1.02	0.295	25	355-0032-0000	35500320000-0000002500	AIRDUC® PUR 355 AS	Yes
1.25 / 32	1.65	54.70 (103.65)	29.53 (29.53)	1.02	0.295	50	355-0032-0000	35500320000-0000005000	AIRDUC® PUR 355 AS	Yes
1.5 / 38	1.89	46.65 (88.05)	29.53 (29.53)	1.14	0.350	25	355-0038-0000	35500380000-0000002500	AIRDUC® PUR 355 AS	Yes
1.5 / 38	1.89	46.65 (88.05)	29.53 (29.53)	1.14	0.350	50	355-0038-0000	35500380000-0000005000	AIRDUC® PUR 355 AS	Yes

- / 40	1.97	44.45 (83.85)	29.53 (29.53)	1 1/8	0.365	25	355-0040-0000	35500400000-0000002500	AIRDUC® PUR 355 AS	Yes
- / 40	1.97	44.45 (83.85)	29.53 (29.53)	1 1/8	0.365	50	355-0040-0000	35500400000-0000005000	AIRDUC® PUR 355 AS	Yes
2 / 50-51	2.36	36.05 (67.65)	24.36 (29.53)	1.36	0.445	25	355-0050-0000	35500500000-0000002500	AIRDUC® PUR 355 AS	Yes
2 / 50-51	2.36	36.05 (67.65)	24.36 (29.53)	1.36	0.445	50	355-0050-0000	35500500000-0000005000	AIRDUC® PUR 355 AS	Yes
2.36 / 60	2.76	30.30 (56.80)	20.23 (29.53)	1.57	0.525	25	355-0060-0000	35500600000-0000002500	AIRDUC® PUR 355 AS	Yes
2.36 / 60	2.76	30.30 (56.80)	20.23 (29.53)	1.57	0.525	50	355-0060-0000	35500600000-0000005000	AIRDUC® PUR 355 AS	Yes
2.5 / 63-65	2.95	28.05 (52.50)	18.75 (29.53)	1.67	0.565	25	355-0065-0000	35500650000-0000002500	AIRDUC® PUR 355 AS	Yes
2.5 / 63-65	2.95	28.05 (52.50)	18.75 (29.53)	1.67	0.565	50	355-0065-0000	35500650000-0000005000	AIRDUC® PUR 355 AS	Yes
- / 70	3.19	26.10 (48.90)	15.95 (29.53)	2.44	0.660	25	355-0070-0000	35500700000-0000002500	AIRDUC® PUR 355 AS	Yes
- / 70	3.19	26.10 (48.90)	15.95 (29.53)	2.44	0.660	50	355-0070-0000	35500700000-0000005000	AIRDUC® PUR 355 AS	Yes
3 / 75-76	3.39	24.45 (45.70)	14.91 (29.53)	2.58	0.705	25	355-0075-0000	35500750000-0000002500	AIRDUC® PUR 355 AS	Yes
3 / 75-76	3.39	24.45 (45.70)	14.91 (29.53)	2.58	0.705	50	355-0075-0000	35500750000-0000005000	AIRDUC® PUR 355 AS	Yes
3.5 / 89-90	3.98	20.50 (38.20)	12.40 (28.06)	3.00	0.840	25	355-0090-0000	35500900000-0000002500	AIRDUC® PUR 355 AS	Yes
3.5 / 89-90	3.98	20.50 (38.20)	12.40 (28.06)	3.00	0.840	50	355-0090-0000	35500900000-0000005000	AIRDUC® PUR 355 AS	Yes
4 / 100-102	4.37	18.50 (34.45)	11.52 (27.46)	3.27	1.000	25	355-0100-0000	35501000000-0000002500	AIRDUC® PUR 355 AS	Yes
4 / 100-102	4.37	18.50 (34.45)	11.52 (27.46)	3.27	1.000	50	355-0100-0000	35501000000-0000005000	AIRDUC® PUR 355 AS	No
4.5 / 114-115	4.96	16.15 (30.00)	10.04 (20.97)	3.68	1.130	25	355-0115-0000	35501150000-0000002500	AIRDUC® PUR 355 AS	No
4.5 / 114-115	4.96	16.15 (30.00)	10.04 (20.97)	3.68	1.130	50	355-0115-0000	35501150000-0000005000	AIRDUC® PUR 355 AS	No
5 / 125-127	5.35	14.85 (27.70)	9.30 (17.72)	3.96	1.235	25	355-0125-0000	35501250000-0000002500	AIRDUC® PUR 355 AS	No
5 / 125-127	5.35	14.85 (27.70)	9.30 (17.72)	3.96	1.235	50	355-0125-0000	35501250000-0000005000	AIRDUC® PUR 355 AS	No
5.5 / 140	5.94	13.35 (24.75)	8.27 (14.32)	4.37	1.365	25	355-0140-0000	35501400000-0000002500	AIRDUC® PUR 355 AS	No
5.5 / 140	5.94	13.35 (24.75)	8.27 (14.32)	4.37	1.365	50	355-0140-0000	35501400000-0000005000	AIRDUC® PUR 355 AS	No
6 / 150-152	6.34	12.45 (23.15)	7.97 (15.65)	4.65	1.620	25	355-0150-0000	35501500000-0000002500	AIRDUC® PUR 355 AS	No
6 / 150-152	6.34	12.45 (23.15)	7.97 (15.65)	4.65	1.620	50	355-0150-0000	35501500000-0000005000	AIRDUC® PUR 355 AS	No
7 / 178-180	7.52	10.35 (19.30)	6.64 (10.93)	5.47	1.930	25	355-0180-0000	35501800000-0000002500	AIRDUC® PUR 355 AS	No
7 / 178-180	7.52	10.35 (19.30)	6.64 (10.93)	5.47	1.930	50	355-0180-0000	35501800000-0000005000	AIRDUC® PUR 355 AS	No
8 / 200-203	8.39	9.35 (17.40)	4.43 (10.63)	6.14	2.095	25	355-0200-0000	35502000000-0000002500	AIRDUC® PUR 355 AS	No
8 / 200-203	8.39	9.35 (17.40)	4.43 (10.63)	6.14	2.095	50	355-0200-0000	35502000000-0000005000	AIRDUC® PUR 355 AS	No
10 / 254	10.51	7.40 (13.70)	3.40 (6.35)	7.64	2.655	25	355-0254-0000	35502540000-0000002500	AIRDUC® PUR 355 AS	No
11 / 280	11.54	6.75 (12.45)	3.10 (5.17)	8.35	2.910	25	355-0280-0000	35502800000-0000002500	AIRDUC® PUR 355 AS	No
12 / 305	12.52	6.15 (11.45)	2.66 (5.61)	9.06	3.525	25	355-0305-0000	35503050000-0000002500	AIRDUC® PUR 355 AS	No