

AIRDUC® PUR 356 AS

Antistatic polyurethane hose, super-heavy duty, microbe resistant

Applications:

hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
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
suction vehicles: roof gravelling, roof gravel conveying
vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning
suction excavator
explosion hazard area
agricultural industry: pneumatic grain conveyer
concrete pump: outlet hose, discharge hose
construction industry: rock drill, rock drilling 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
silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of wood pellets, plastic granulate, plastic powder

Properties:

super-heavy duty
extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch
very high pressure, vacuum and compression resistance
microbe resistant
good resistance to oil, gasoline, and chemicals
very good low temperature flexibility
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)
according to DIN 26057 Type 4
conforms to RoHS guideline

Temperature range:

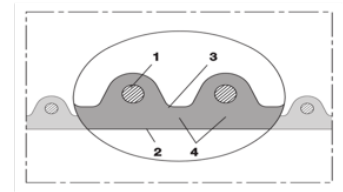
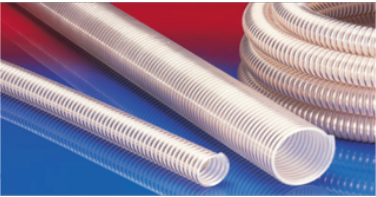
-40°F to 195°F
short time to 255°F

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 0.08 - 0.10 inch approximate
 4. reinforcement of the primary abrasion areas

Delivery variants:

further diameters and lengths available on request
transparent (standard)
special colors: full 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
1.5 / 38	1.93	64.90	29.55	4.09	0.530	25	356-0038-0000	35600380000-0000002500	AIRDUC® PUR 356 AS	Yes
1.5 / 38	1.93	64.90	29.55	4.09	0.530	50	356-0038-0000	35600380000-0000005000	AIRDUC® PUR 356 AS	Yes
- / 40	2.00	61.95	29.55	4.29	0.550	25	356-0040-0000	35600400000-0000002500	AIRDUC® PUR 356 AS	Yes
- / 40	2.00	61.95	29.55	4.29	0.550	50	356-0040-0000	35600400000-0000005000	AIRDUC® PUR 356 AS	Yes
2 / 51	2.44	46.40	29.55	5.28	0.690	25	356-0051-0000	35600510000-0000002500	AIRDUC® PUR 356 AS	Yes
2 / 51	2.44	46.40	29.55	5.28	0.690	50	356-0051-0000	35600510000-0000005000	AIRDUC® PUR 356 AS	Yes
2.36 / 60	2.80	42.35	29.55	6.14	0.795	25	356-0060-0000	35600600000-0000002500	AIRDUC® PUR 356 AS	Yes
2.36 / 60	2.80	42.35	29.55	6.14	0.795	50	356-0060-0000	35600600000-0000005000	AIRDUC® PUR 356 AS	Yes
2.5 / 63-65	2.91	40.75	29.55	6.42	0.830	25	356-0063-0000	35600630000-0000002500	AIRDUC® PUR 356 AS	Yes
2.5 / 63-65	2.91	40.75	29.55	6.42	0.830	50	356-0063-0000	35600630000-0000005000	AIRDUC® PUR 356 AS	Yes
- / 70	3.20	36.55	29.55	7.32	0.920	25	356-0070-0000	35600700000-0000002500	AIRDUC® PUR 356 AS	No

- / 70	3.20	36.55	29.55	7.32	0.920	50	356-0070-0000	35600700000-0000005000	AIRDUC® PUR 356 AS	No
3 / 76	3.46	34.15	29.55	7.68	0.990	25	356-0076-0000	35600760000-0000002500	AIRDUC® PUR 356 AS	No
3 / 76	3.46	34.15	29.55	7.68	0.990	50	356-0076-0000	35600760000-0000005000	AIRDUC® PUR 356 AS	No
4 / 102	4,53	27.40	29.55	10.71	1.550	25	356-0102-0000	35601020000-0000002500	AIRDUC® PUR 356 AS	No
4 / 102	4,53	27.40	29.55	10.71	1.550	50	356-0102-0000	35601020000-0000005000	AIRDUC® PUR 356 AS	No
5 / 127	5,51	22.70	26.28	13.23	1.910	25	356-0127-0000	35601270000-0000002500	AIRDUC® PUR 356 AS	No
5 / 127	5,51	22.70	26.28	13.23	1.910	50	356-0127-0000	35601270000-0000005000	AIRDUC® PUR 356 AS	No
5.5 / 140	6,02	20.75	23.62	15.75	2.090	25	356-0140-0000	35601400000-0000002500	AIRDUC® PUR 356 AS	No
5.5 / 140	6,02	20.75	23.62	15.75	2.090	50	356-0140-0000	35601400000-0000005000	AIRDUC® PUR 356 AS	No
6 / 152	6,50	18.95	24.66	17.13	2.500	25	356-0152-0000	35601520000-0000002500	AIRDUC® PUR 356 AS	No
6 / 152	6,50	18.95	24.66	17.13	2.500	50	356-0152-0000	35601520000-0000005000	AIRDUC® PUR 356 AS	No
8 / 203	8,50	13.85	16.24	37.40	4.045	25	356-0203-0000	35602030000-0000002500	AIRDUC® PUR 356 AS	No
8 / 203	8,50	13.85	16.24	37.40	4.045	50	356-0203-0000	35602030000-0000005000	AIRDUC® PUR 356 AS	No