

Antistatic polyurethane hose, super-heavy, microbe resistant, external protection profile

Application

- hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
- plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine
- vacuum truck, suction vehicle, dry suction truck: industrial cleaning, furnace cleaning
- construction vehicles: roof gravelling, roof gravel conveying
- explosion hazard area
- suction excavator
- 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 e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine
- silo and tankers: conveying of wood pellets, plastic granulate, plastic powder

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- silos and tankers: silo charging, silo discharging

Properties

- external abrasion protection via external helix (protects floors and surfaces, prolongs service life, easy to use)
- super-heavy duty
- extremely abrasion-resistant with reinforcement underneath wire and narrow hose pitch
- microbe resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- 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),
- 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)
- permanently antistatic wall: according to ISO 8031 electrical and surface resistance $<10^9 \Omega$ (according to TRGS 727 $<2,5 \cdot 10^9 \Omega \cdot m$ and NFPA 652 $10^8 - 10^9 \Omega$)
- according to DIN 26057 Type 4
- conforms to RoHS guideline

Temperature Range

- -40 °C to 90 °C
- short time to 125 °C

Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 2,0 to 2,5 mm approx.
- reinforcement of the primary abrasion areas
- abrasion resistant protection profile (wear strip)

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colours: full coloured
- customer-specific branding

I.D. (in / mm)	outer Ø (mm)	Pressure DIN 26057 (50% Elongation) (bar)	Vacuum DIN 26057 (axially fixed) (bar)	Bending Radius (mm)	Weight (kg/m)	Dimensions in Stock (m)	Order No.
1,5 / 38	49.00	4,475	1,000	104.00	0.79	10	356-0038-5550
- / 40	51.00	4,270	1,000	109.00	0.82	10	356-0040-5550
- / 50	61.00	3,470	1,000	134.00	1.00	10	356-0050-5550
2,36 / 60	71.00	2,920	1,000	156.00	1.18	10	356-0060-5550
- / 70	82.00	2,520	1,000	186.00	1.37	10	356-0070-5550
3 / 75-76	88.00	2,355	1,000	195.00	1.47	10	356-0076-5550
3,5 / 89-90	103.00	2,195	1,000	250.00	2.06	10	356-0090-5550
4 / 100-102	115.00	1,890	1,000	272.00	2.31	10	356-0102-5550

AIRDUC® PUR 356 AS WEAR STRIP (XHD)



I.D. (in / mm)	outer Ø (mm)	Pressure DIN 26057 (50% Elongation) (bar)	Vacuum DIN 26057 (axially fixed) (bar)	Bending Radius (mm)	Weight (kg/m)	Dimensions in Stock (m)	Order No.
5 / 125-127	140.00	1,565	0,890	336.00	2.84	10	356-0127-5550
6 / 150-152	165.00	1,305	0,835	435.00	3.72	10	356-0152-5550

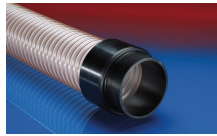
Accessories



CLAMP 211



CONNECT THREAD
FITTING 234



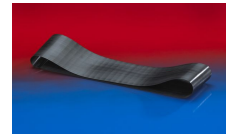
CONNECT 242



CONNECT 243



CONNECT 245 VAC-
TRUCK



CONNECT 228



CONNECT MOULD
ASSEMBLY 233



CONNECT 240 + 241
AS



CONNECT PRESS
ASSEMBLY 232



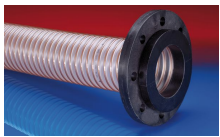
CONNECT 245



CLAMP 216



CONNECT SAFETY
CLAMP ASSEMBLY
231



CONNECT 244



CONNECT 246 AS