

## **AIRDUC PUR 356 AS EXTRA HEAVY DUTY Antistatic polyurethane hose, super-heavy, microbe resistant**



### **Technical specifications:**

### **APPLICATIONS**

- flexible 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
- 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 e.g. at blasting chamber, ship yard, stripping machine, flooring preparation machine, grinding machine
- silos and tankers: silo charging, silo discharging
- silo and tankers: conveying of wood pellets, plastic granulate, plastic powder

### **PROPERTIES**

- 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
- permanently antistatic wall: according to ISO 8031 electrical and surface resistance  $<10^9 \Omega$  (according to TRGS 727  $<2,5 \cdot 10^8 \Omega \cdot m$  and NFPA 652  $10^8$ - $10^9 \Omega$ )
- according to DIN 26057 Type 4
- 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)

- REACH according to --> Technology / Technical Information / REACH
- conforms to RoHS guideline

#### DESIGN

- AIRDUC® profile hose
- 1. spring steel wire firmly embedded in wall
- 2. wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- 3. wall thickness 2,0 to 2,5 mm approx.
- 4. reinforcement of the primary abrasion areas
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#### DELIVERY VARIANTS

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

#### TEMPERATURE RANGE

- -40°C to 90°C
- short time to 125°C

**Hőállóság:** -40°C/+90°C, rövid ideig +125 C

**Szabvány:** DIN 26057 Type 4

**Tekercsméret:** 5-10-15 m

**Falvastagság:** 2-2,5 mm

**Elektromos ellenállás:** R < 109 Ohm

On stock at the manufacturer, short delivery time with regular shipments

Inside diameter (mm)	Outer Diameter (mm)	Vacuum (bar)	Working pressure on 20 C (bar)	Bending radius mm	Weight kg/m	Article Nr.
32	43	-1	5,23	90	0,68	356-0032-0000
38	49	-1	4,47	104	0,79	356-0038-0000
40	51	-1	4,27	109	0,82	356-0040-0000
45	56	-1	3,82	129	0,9	356-0045-0000
50	61	-1	3,47	134	1	356-0050-0000
51	62	-1	3,2	134	1,02	356-0051-0000

Inside diameter (mm)	Outer Diameter (mm)	Vacuum (bar)	Working pressure on 20 C (bar)	Bending radius mm	Weight kg/m	Article Nr.
55	66	-1	3,17	151	1,09	356-0055-0000
60	71	-1	2,92	156	1,18	356-0060-0000
63*	74	-1	2,81	163	1,23	356-0063-0000
65	76	-1	2,7	169	1,27	356-0065-0000
70	82	-1	2,52	186	1,37	356-0070-0000
75	87	-1	2,36	195	1,48	356-0075-0000
76	88	-1	2,35	195	1,47	356-0076-0000
80	92	-1	2,22	205	1,55	356-0080-0000
90	103	-1	2,19	250	2,06	356-0090-0000
100	113	-1	1,98	272	2,27	356-0100-0000
102	115	-1	1,89	272	2,31	356-0102-0000
110	123	-1	1,8	300	2,48	356-0110-0000
115	128	-0,97	1,73	317	2,58	356-0115-0000
120	133	-0,93	1,66	330	2,69	356-0120-0000
125	138	-0,89	1,59	363	2,8	356-0125-0000
127	140	-0,89	1,56	336	2,84	356-0127-0000
130	143	-0,86	1,53	355	2,9	356-0130-0000
140*	153	-0,8	1,43	400	3,11	356-0140-0000
150	163	-0,75	1,33	435	3,68	356-0150-0000
152	165	-0,74	1,3	435	3,72	356-0152-0000
160	173	-0,7	1,25	470	3,91	356-0160-0000
170*	183	-0,66	1,18	600	4,15	356-0170-0000

Inside diameter (mm)	Outer Diameter (mm)	Vacuum (bar)	Working pressure on 20 C (bar)	Bending radius mm	Weight kg/m	Article Nr.
175	188	-0,64	1,15	700	4,26	356-0175-0000
180*	193	-0,62	1,12	830	4,38	356-0180-0000
200	214	-0,56	1,01	950	5,94	356-0200-0000
203*	216	-0,55	0,95	950	6,02	356-0203-0000
225*	239	-0,49	0,9	1175	6,65	356-0225-0000
250	264	-0,45	0,81	1300	7,35	356-0250-0000
275*	289	-0,4	0,73	1453	8,07	356-0275-0000
300*	314	-0,37	0,67	1575	8,78	356-0300-0000

\*egyedi gyártású átmérők | \*non stock items

