



Antistatic food hose and pharmaceutical hose, medium-heavy

## Applications

- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- food industry, pharmaceutical industry: food-stuff, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- explosion hazard area
- clean room ventilation, semiconductor production machine
- paper mill, paper and pulp industry: waste water, air extraction
- medical device/ medical technology, health-care sector: cable protection conduit, air supply hose, extraction hose
- municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector
- medium-heavy duty
- highly abrasion resistant
- Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004, incl. the latest EU-Directive 2015/174, FDA 21 CFR 177.2600
- odourless and tasteless
- microbe and hydrolysis 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  $<10^9 \Omega$  and in accordance with TRGS 727  $<2,5 * 10^9 \Omega$
- 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 2

- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline

## Temperature Range

- 40°C to 90°C
- short time to 125°C

## Design, Material

AIRDUC® profile hose

- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ether-polyurethane (Pre-PUR®)
- wall thickness 0,7 mm approx.

## Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- customer-specific branding

## Properties

I.D. in / mm	O.D. 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 / 25	32	2,445 (5,45)	0,755 (1,00)	23	0,190	5 10 15	350-0025-0000
- / 30	37	2,055 (4,57)	0,630 (1,00)	26	0,250	5 10 15	350-0030-0000
1,25 / 32	39	1,930 (4,29)	0,590 (1,00)	27	0,270	5 10 15	350-0032-0000
1,36 / 35	42	1,770 (3,94)	0,540 (1,00)	29	0,290	5 10 15	350-0035-0000
1,5 / 38	45	1,635 (3,64)	0,495 (1,00)	31	0,310	5 10 15	350-0038-0000
- / 40	47	1,555 (3,46)	0,470 (1,00)	32	0,330	5 10 15	350-0040-0000
1,75 / 44-45	52	1,390 (3,08)	0,420 (1,00)	35	0,370	5 10 15	350-0045-0000
2 / 50-51	57	1,250 (2,78)	0,380 (1,00)	38	0,400	5 10 15 20	350-0050-0000
- / 55	62	1,140 (2,53)	0,345 (0,99)	41	0,440	5 10 15	350-0055-0000
2,36 / 60	67	1,050 (2,33)	0,315 (0,83)	44	0,480	5 10 15	350-0060-0000
2,5 / 63-65	70	0,970 (2,15)	0,290 (0,71)	47	0,520	5 10 15	350-0065-0000
- / 70	77	0,900 (2,00)	0,185 (0,83)	50	0,560	5 10 15	350-0070-0000
3 / 75-76	82	0,840 (1,87)	0,175 (0,72)	53	0,590	5 10 15	350-0075-0000
- / 80	87	0,790 (1,75)	0,160 (0,64)	56	0,640	5 10 15	350-0080-0000
3,5 / 89-90	97	0,705 (1,56)	0,145 (0,51)	62	0,720	5 10 15	350-0090-0000
4 / 100-102	107	0,635 (1,41)	0,135 (0,66)	68	0,800	5 10 15	350-0100-0000
- / 110	117	0,575 (1,28)	0,125 (0,55)	74	0,870	5 10 15	350-0110-0000
4,5 / 114-115	122	0,550 (1,22)	0,120 (0,50)	77	0,900	5 10 15	350-0115-0000
4,72 / 120	127	0,530 (1,17)	0,115 (0,46)	80	0,950	5 10 15	350-0120-0000
5 / 125-127	132	0,510 (1,13)	0,110 (0,42)	83	0,980	5 10 15	350-0125-0000

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch.



I.D. in / mm	O.D. 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.
- / 130	137	0,490 (1,08)	0,105 (0,39)	86	1,010	5 10 15	350-0130-0000
5,5 / 140	147	0,455 (1,01)	0,095 (0,33)	92	1,090	5 10 15	350-0140-0000
6 / 150-152	157	0,425 (0,94)	0,075 (0,36)	98	1,400	5 10 15	350-0150-0000
6,3 / 160	167	0,400 (0,88)	0,070 (0,31)	104	1,500	5 10 15	350-0160-0000
- / 170	177	0,375 (0,83)	0,065 (0,28)	108	1,580	5 10 15	350-0170-0000
- / 175	182	0,365 (0,81)	0,065 (0,26)	113	1,630	5 10 15	350-0175-0000
7 / 178-180	187	0,355 (0,78)	0,060 (0,24)	116	1,670	5 10 15	350-0180-0000
8 / 200-203	207	0,320 (0,71)	0,055 (0,19)	128	1,860	5 10 15	350-0200-0000
- / 225	232	0,285 (0,63)	0,050 (0,15)	143	2,080	5 10	350-0225-0000
- / 250	257	0,255 (0,57)	0,045 (0,12)	158	2,310	5 10	350-0250-0000
10 / 254	261	0,250 (0,56)	0,045 (0,11)	160	2,350	5 10 15	350-0254-0000
- / 275	282	0,230 (0,51)	0,040 (0,09)	173	2,540	5 10	350-0275-0000
11 / 280	287	0,230 (0,51)	0,040 (0,09)	176	2,590	5 10	350-0280-0000
- / 300	307	0,215 (0,47)	0,035 (0,08)	188	2,770	5 10	350-0300-0000
12 / 305	312	0,210 (0,46)	0,035 (0,07)	191	2,810	5 10	350-0305-0000
- / 350	357	0,185 (0,40)	0,030 (0,05)	218	3,220	5 10	350-0350-0000
14 / 356	363	0,180 (0,40)	0,030 (0,06)	222	3,340	5 10	350-0356-0000
- / 400	407	0,160 (0,35)	0,030 (0,05)	248	4,170	5 10	350-0400-0000
- / 450	457	0,140 (0,32)	0,025 (0,04)	281	4,690	5 10	350-0450-0000
- / 500	507	0,130 (0,28)	0,025 (0,03)	313	5,200	5 10	350-0500-0000

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20°C and are approx. data.