



Antistatic polyurethane hose, medium-heavy, microbe resistant, flame-resistant

Applications

- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- printed circuit board drilling machine (PCB)
- offset printing machine: air supply, air supply cabinet
- air supply: UV dryer, IR dryer
- extraction unit, dedusting system, filter system, oil mist extraction
- chemical industry: chemical vapours, vapour return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area
- textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine
- animal stall, animal shed: barn ventilation
- clean room ventilation, semiconductor production machine
- compressor, side channel blower, vacuum pump, pressure pump, pump
- surface preparation: shot blasting/ sand blasting recovery e.g. at 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
- scrubber, floor cleaning machine
- heating hose: exterior hose as protection hose

Properties

- highly abrasion resistant
- medium-heavy duty
- microbe resistant
- good resistance to oil, gasoline and chemicals
- very good low temperature flexibility
- flame-retardant according to: UL94-V2 & DIN 4102-B1
- 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 $10^8-10^9 \Omega$)
- 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)
- conforms to the safety regulations of the German Wood Trade Association

- according to DIN 26057 Type 2
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

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 0,7 mm approx.

Delivery variants

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

| I.D. | outer Ø | Pressure DIN 26057 (50% Elongation) | Vacuum DIN 26057 (axially fixed) | Bending Radius | Weight | Dimensions in Stock | Production Lengths | Order No. |
|--------------|---------|--|--|-------------------|--------|------------------------|-----------------------|---------------|
| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | (m) | |
| 1 / 25 | 32.00 | 2,445 (5,45) | 0,755 (1,00) | 23.00 | 0.19 | 10 | 5 15 | 350-0025-1002 |
| - / 30 | 37.00 | 2,055 (4,57) | 0,630 (1,00) | 26.00 | 0.25 | 10 | 5 15 | 350-0030-1002 |
| 1,25 / 32 | 39.00 | 1,930 (4,29) | 0,590 (1,00) | 27.00 | 0.27 | 10 | 5 15 | 350-0032-1002 |
| 1,5 / 38 | 45.00 | 1,635 (3,64) | 0,495 (1,00) | 31.00 | 0.31 | 10 15 | 5 | 350-0038-1002 |
| - / 40 | 47.00 | 1,555 (3,46) | 0,470 (1,00) | 32.00 | 0.33 | 10 15 | 5 | 350-0040-1002 |
| 1,75 / 44-45 | 52.00 | 1,390 (3,08) | 0,420 (1,00) | 35.00 | 0.37 | 10 | 5 15 | 350-0045-1002 |
| 2 / 50-51 | 57.00 | 1,250 (2,78) | 0,380 (1,00) | 38.00 | 0.40 | 5 10 15 | - | 350-0050-1002 |
| - / 55 | 62.00 | 1,140 (2,53) | 0,345 (0,99) | 41.00 | 0.44 | 10 | 5 15 | 350-0055-1002 |
| 2,36 / 60 | 67.00 | 1,050 (2,33) | 0,315 (0,83) | 44.00 | 0.48 | 10 15 | 5 | 350-0060-1002 |
| 2,5 / 63-65 | 70.00 | 0,970 (2,15) | 0,290 (0,71) | 47.00 | 0.52 | 10 | 5 15 | 350-0065-1002 |
| - / 70 | 77.00 | 0,900 (2,00) | 0,185 (0,83) | 50.00 | 0.56 | 10 | 5 15 | 350-0070-1002 |

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| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | (m) | |
| 3 / 75-76 | 82.00 | 0,840 (1,87) | 0,175 (0,72) | 53.00 | 0.59 | 10 15 | 5 | 350-0075-1002 |
| - / 80 | 87.00 | 0,790 (1,75) | 0,160 (0,64) | 56.00 | 0.64 | 5 10 15 | - | 350-0080-1002 |
| 3,5 / 89-90 | 97.00 | 0,705 (1,56) | 0,145 (0,51) | 62.00 | 0.72 | 10 | 5 15 | 350-0090-1002 |
| 4 / 100-102 | 107.00 | 0,635 (1,41) | 0,135 (0,66) | 68.00 | 0.80 | 5 10 15 | - | 350-0100-1002 |
| - / 110 | 117.00 | 0,575 (1,28) | 0,125 (0,55) | 74.00 | 0.87 | 10 | 5 15 | 350-0110-1002 |
| 4,5 / 114-115 | 122.00 | 0,550 (1,22) | 0,120 (0,50) | 77.00 | 0.90 | - | 5 10 | 350-0115-1002 |
| 4,72 / 120 | 127.00 | 0,530 (1,17) | 0,115 (0,46) | 80.00 | 0.95 | 5 10 15 | - | 350-0120-1002 |
| 5 / 125-127 | 132.00 | 0,510 (1,13) | 0,110 (0,42) | 83.00 | 0.98 | 5 10 15 | - | 350-0125-1002 |
| - / 130 | 137.00 | 0,490 (1,08) | 0,105 (0,39) | 86.00 | 1.01 | 10 | 5 15 | 350-0130-1002 |
| 5,5 / 140 | 147.00 | 0,455 (1,01) | 0,095 (0,33) | 92.00 | 1.09 | 5 10 | 15 | 350-0140-1002 |
| 6 / 150-152 | 157.00 | 0,425 (0,94) | 0,075 (0,36) | 98.00 | 1.40 | 5 10 15 | - | 350-0150-1002 |
| 6,3 / 160 | 167.00 | 0,400 (0,88) | 0,070 (0,31) | 104.00 | 1.50 | 5 10 15 | - | 350-0160-1002 |
| - / 170 | 177.00 | 0,375 (0,83) | 0,065 (0,28) | 108.00 | 1.58 | - | 5 10 15 | 350-0170-1002 |
| - / 175 | 182.00 | 0,365 (0,81) | 0,065 (0,26) | 113.00 | 1.63 | - | 5 10 15 | 350-0175-1002 |
| 7 / 178-180 | 187.00 | 0,355 (0,78) | 0,060 (0,24) | 116.00 | 1.67 | 10 | 5 15 | 350-0180-1002 |
| 8 / 200-203 | 207.00 | 0,320 (0,71) | 0,055 (0,19) | 128.00 | 1.86 | 5 10 | - | 350-0200-1002 |
| - / 225 | 232.00 | 0,285 (0,63) | 0,050 (0,15) | 143.00 | 2.08 | 10 | 5 15 | 350-0225-1002 |
| - / 250 | 257.00 | 0,255 (0,57) | 0,045 (0,12) | 158.00 | 2.31 | 5 10 | 15 | 350-0250-1002 |
| 10 / 254 | 261.00 | 0,250 (0,56) | 0,045 (0,11) | 160.00 | 2.35 | - | 5 10 15 | 350-0254-1002 |
| - / 275 | 282.00 | 0,230 (0,51) | 0,040 (0,09) | 173.00 | 2.54 | - | 5 10 | 350-0275-1002 |
| 11 / 280 | 287.00 | 0,230 (0,51) | 0,040 (0,09) | 176.00 | 2.59 | - | 5 10 | 350-0280-1002 |
| - / 300 | 307.00 | 0,215 (0,47) | 0,035 (0,08) | 188.00 | 2.77 | 10 | 5 | 350-0300-1002 |
| 12 / 305 | 312.00 | 0,210 (0,46) | 0,035 (0,07) | 191.00 | 2.81 | - | 5 10 | 350-0305-1002 |
| - / 315 | 322.00 | 0,205 (0,45) | 0,035 (0,07) | 197.00 | 2.90 | - | 5 10 | 350-0315-1002 |
| - / 350 | 357.00 | 0,185 (0,40) | 0,030 (0,05) | 218.00 | 3.22 | - | 5 10 | 350-0350-1002 |
| 14 / 356 | 363.00 | 0,180 (0,40) | 0,030 (0,06) | 222.00 | 3.34 | - | 5 10 | 350-0356-1002 |
| - / 400 | 407.00 | 0,160 (0,35) | 0,030 (0,05) | 248.00 | 4.17 | - | 5 10 | 350-0400-1002 |
| - / 450 | 457.00 | 0,140 (0,32) | 0,025 (0,04) | 281.00 | 4.69 | - | 5 10 | 350-0450-1002 |

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Accessories



CONNECT 243



CONNECT 223



CONNECT MOULD ASSEMBLY 233



CONNECT THREAD FITTING 234



CONNECT 240 + 241 AS



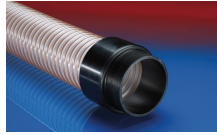
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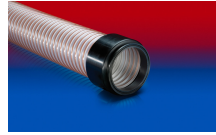
CLAMP 217



CONNECT 228



CONNECT 242



CONNECT 245



CLAMP 210 BRIDGE CLAMP



CONNECT TRI-CLAMP FITTING 245



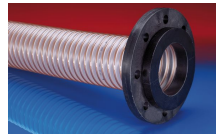
CONNECT 270-271



CLAMP 212



CONNECT ASEPTIC FITTING 249



CONNECT 244



CONNECT 240 EC



CLAMP 213



CONNECT 246 AS