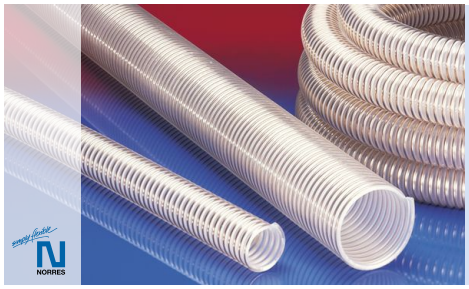
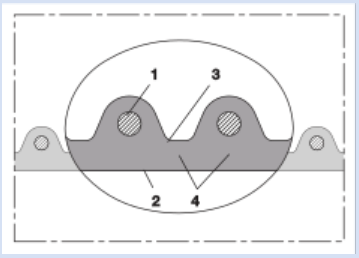
# AIRDUC® PUR 356 AS (XHD)






## Antistatic polyurethane hose, super-heavy, microbe resistant

### 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 <$10^9$ Ω (according to TRGS 727 <2,5*$10^8$ Ω*m and NFPA 652 $10^8$-$10^9$ Ω)
- 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

### 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

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

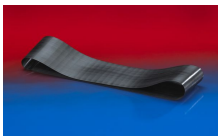
| I.D. (in / mm) | outer Ø (mm) | Pressure (bar) | Vacuum (bar) | Bending Radius (mm) | Weight (kg/m) | Dimensions in Stock (m) | Production Lengths (m) | Order No. |
|---|---|---|---|---|---|---|---|---|
| 1,25 / 32 | 43.00 | 5,235 | 1,000 | 90.00 | 0.68 | **10 15** | - | 356-0032-0000 |
| 1,5 / 38 | 49.00 | 4,475 | 1,000 | 104.00 | 0.79 | **10 15** | - | 356-0038-0000 |
| - / 40 | 51.00 | 4,270 | 1,000 | 109.00 | 0.82 | **10 15** | - | 356-0040-0000 |
| 1,75 / 45 | 56.00 | 3,825 | 1,000 | 129.00 | 0.91 | **10 15** | 20 | 356-0045-0000 |
| - / 50 | 61.00 | 3,470 | 1,000 | 134.00 | 1.00 | **10 15** | - | 356-0050-0000 |
| 2 / 51 | 62.00 | 3,200 | 1,000 | 134.00 | 1.02 | **10** | 15 | 356-0051-0000 |
| - / 55 | 66.00 | 3,170 | 1,000 | 151.00 | 1.09 | **10 15** | - | 356-0055-0000 |
| 2,36 / 60 | 71.00 | 2,920 | 1,000 | 156.00 | 1.18 | **10 15** | - | 356-0060-0000 |
| 2,5 / 63-65 | 74.00 | 2,810 | 1,000 | 163.00 | 1.23 | **-** | 10 | 356-0063-0000 |
| - / 65 | 76.00 | 2,705 | 1,000 | 169.00 | 1.27 | **10** | 15 | 356-0065-0000 |
| - / 70 | 82.00 | 2,520 | 1,000 | 186.00 | 1.37 | **10** | 15 | 356-0070-0000 |

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. Additional information at www.norres.com/en/technology/.

# AIRDUC® PUR 356 AS (XHD)

| I.D. | outer Ø | Pressure | Vacuum | Bending Radius | Weight | Dimensions in Stock | Production Lengths | Order No. |
|---|---|---|---|---|---|---|---|---|
| (in / mm) | (mm) | (bar) | (bar) | (mm) | (kg/m) | (m) | (m) | |
| - / 75 | 87.00 | 2,360 | 1,000 | 195.00 | 1.46 | **10 15** | - | 356-0075-0000 |
| 3 / 76 | 88.00 | 2,355 | 1,000 | 195.00 | 1.47 | **10 15** | - | 356-0076-0000 |
| - / 80 | 92.00 | 2,220 | 1,000 | 205.00 | 1.55 | **10 15** | - | 356-0080-0000 |
| - / 90 | 103.00 | 2,195 | 1,000 | 250.00 | 2.06 | **10** | 15 | 356-0090-0000 |
| - / 100 | 113.00 | 1,980 | 1,000 | 272.00 | 2.27 | **10 15** | - | 356-0100-0000 |
| 4 / 102 | 115.00 | 1,890 | 1,000 | 272.00 | 2.31 | **10 15** | - | 356-0102-0000 |
| - / 110 | 123.00 | 1,805 | 1,000 | 300.00 | 2.48 | **10** | 15 | 356-0110-0000 |
| 4,5 / 115 | 128.00 | 1,730 | 0,975 | 317.00 | 2.58 | **10** | 15 | 356-0115-0000 |
| 4,72 / 120 | 133.00 | 1,660 | 0,930 | 330.00 | 2.69 | **10** | 15 | 356-0120-0000 |
| - / 125 | 138.00 | 1,595 | 0,895 | 336.00 | 2.80 | **10** | 15 | 356-0125-0000 |
| 5 / 127 | 140.00 | 1,565 | 0,890 | 336.00 | 2.84 | **10 15** | - | 356-0127-0000 |
| - / 130 | 143.00 | 1,535 | 0,860 | 355.00 | 2.90 | **10** | 15 | 356-0130-0000 |
| 5,5 / 140 | 153.00 | 1,430 | 0,800 | 400.00 | 3.11 | **10** | 15 | 356-0140-0000 |
| - / 150 | 163.00 | 1,335 | 0,745 | 435.00 | 3.68 | **10 15** | - | 356-0150-0000 |
| 6 / 152 | 165.00 | 1,305 | 0,735 | 435.00 | 3.72 | **10 15** | - | 356-0152-0000 |
| 6,3 / 160 | 173.00 | 1,255 | 0,700 | 470.00 | 3.91 | **10** | - | 356-0160-0000 |
| - / 170 | 183.00 | 1,180 | 0,660 | 600.00 | 4.15 | **-** | 10 15 | 356-0170-0000 |
| - / 175 | 188.00 | 1,150 | 0,640 | 700.00 | 4.26 | **10** | 15 | 356-0175-0000 |
| - / 180 | 193.00 | 1,120 | 0,620 | 830.00 | 4.38 | **-** | 10 | 356-0180-0000 |
| - / 200 | 214.00 | 1,010 | 0,560 | 950.00 | 5.94 | **10** | 15 | 356-0200-0000 |
| 8 / 203 | 216.00 | 0,955 | 0,550 | 950.00 | 6.02 | **-** | 10 15 | 356-0203-0000 |
| - / 225 | 239.00 | 0,900 | 0,495 | 1175.00 | 6.65 | **-** | 10 | 356-0225-0000 |
| - / 250 | 264.00 | 0,810 | 0,445 | 1300.00 | 7.35 | **5** | 2.5 10 | 356-0250-0000 |
| - / 275 | 289.00 | 0,735 | 0,405 | 1453.00 | 8.07 | **-** | 10 | 356-0275-0000 |
| - / 300 | 314.00 | 0,675 | 0,375 | 1575.00 | 8.78 | **-** | 2,5 5 10 | 356-0300-0000 |

## Accessories


CONNECT 228

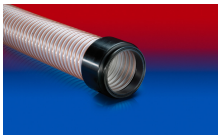

CONNECT 243


CONNECT 246 AS


CONNECT STORZ DIN ALU 251


CONNECT 245 VAC-TRUCK


CLAMP 211

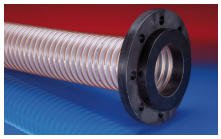

CONNECT 245


CONNECT MOULD ASSEMBLY 233


CONNECT KARDAN 254

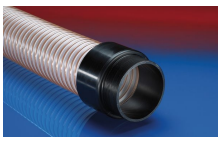

CONNECT KAMLOK ALU 253


CONNECT SAFETY CLAMP ASSEMBLY 231


CONNECT 244


CONNECT THREAD FITTING 234


CONNECT TANK TRUCK BRASS 252


CONNECT 242


CONNECT PRESS ASSEMBLY 232


CLAMP 216


CONNECT 240 + 241 AS

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