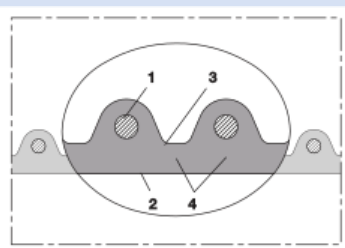


# AIRDUC® PUR 356 AS (XHD)



Antistatic polyurethane hose, super-heavy duty, microbe resistant

## Applications

- flexible hose/ ducting for high volume 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 (blasting chamber), ship yard, stripping machine, flooring preparation machine, grinding machine

- silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silo, silo vehicle/ silo truck, tanker/ tank truck: 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

## Temperature range

- 40 °F to 195 °F
- short time to 255 °F

## Design

- AIRDUC® profile hose
- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.08 to 0.10 in approx.
- reinforcement of the primary abrasion areas

## Delivery variants

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

| I.D.        | outer Ø | Pressure | Vacuum | Bending radius | Weight  | Dimensions in Stock | Production lengths | Order No.     |
|-------------|---------|----------|--------|----------------|---------|---------------------|--------------------|---------------|
| (in / mm)   | (in)    | (psi)    | (inHG) | (in)           | (lb/ft) | (ft)                | (ft)               |               |
| 1,25 / 32   | 1.693   | 75.928   | 29.530 | 3.543          | 0.457   | -                   | 25 50              | 356-0032-0000 |
| 1,5 / 38    | 1.929   | 64.905   | 29.530 | 4.094          | 0.531   | 25 50               | -                  | 356-0038-0000 |
| - / 40      | 2.008   | 61.932   | 29.530 | 4.291          | 0.551   | 25 50               | -                  | 356-0040-0000 |
| 1,75 / 45   | 2.205   | 55.478   | 29.530 | 5.079          | 0.612   | -                   | 25 50              | 356-0045-0000 |
| - / 50      | 2.402   | 50.329   | 29.530 | 5.276          | 0.672   | 25 50               | -                  | 356-0050-0000 |
| 2 / 51      | 2.441   | 46.413   | 29.530 | 5.276          | 0.685   | 25 50               | -                  | 356-0051-0000 |
| - / 55      | 2.598   | 45.978   | 29.530 | 5.945          | 0.733   | -                   | 25 50              | 356-0055-0000 |
| 2,36 / 60   | 2.795   | 42.352   | 29.530 | 6.142          | 0.793   | 25 50               | -                  | 356-0060-0000 |
| 2,5 / 63-65 | 2.913   | 40.756   | 29.530 | 6.417          | 0.827   | 25 50               | -                  | 356-0063-0000 |
| - / 65      | 2.992   | 39.233   | 29.530 | 6.654          | 0.853   | -                   | 25 50              | 356-0065-0000 |

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at [www.norres.com/us/technology/](http://www.norres.com/us/technology/). NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68 °F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

# AIRDUC® PUR 356 AS (XHD)

| I.D.       | outer Ø | Pressure | Vacuum | Bending radius | Weight  | Dimensions in Stock | Production lengths | Order No.     |
|------------|---------|----------|--------|----------------|---------|---------------------|--------------------|---------------|
| (in / mm)  | (in)    | (psi)    | (inHG) | (in)           | (lb/ft) | (ft)                | (ft)               |               |
| - / 70     | 3.228   | 36.550   | 29.530 | 7.323          | 0.921   | <b>25 50</b>        | -                  | 356-0070-0000 |
| - / 75     | 3.425   | 34.229   | 29.530 | 7.677          | 0.981   | -                   | 25 50              | 356-0075-0000 |
| 3 / 76     | 3.465   | 34.157   | 29.530 | 7.677          | 0.988   | <b>25 50</b>        | -                  | 356-0076-0000 |
| - / 80     | 3.622   | 32.199   | 29.530 | 8.071          | 1.042   | -                   | 25 50              | 356-0080-0000 |
| - / 90     | 4.055   | 31.836   | 29.530 | 9.843          | 1.384   | -                   | 25 50              | 356-0090-0000 |
| - / 100    | 4.449   | 28.718   | 29.530 | 10.709         | 1.526   | -                   | 25 50              | 356-0100-0000 |
| 4 / 102    | 4.528   | 27.413   | 29.530 | 10.709         | 1.552   | <b>25 50</b>        | -                  | 356-0102-0000 |
| - / 110    | 4.843   | 26.180   | 29.530 | 11.811         | 1.667   | -                   | 25 50              | 356-0110-0000 |
| 4,5 / 115  | 5.039   | 25.092   | 28.792 | 12.480         | 1.734   | -                   | 25 50              | 356-0115-0000 |
| 4,72 / 120 | 5.236   | 24.077   | 27.463 | 12.992         | 1.808   | -                   | 25 50              | 356-0120-0000 |
| - / 125    | 5.433   | 23.134   | 26.429 | 13.228         | 1.882   | -                   | 25 50              | 356-0125-0000 |
| 5 / 127    | 5.512   | 22.699   | 26.282 | 13.228         | 1.909   | <b>25 50</b>        | -                  | 356-0127-0000 |
| - / 130    | 5.630   | 22.264   | 25.396 | 13.976         | 1.949   | -                   | 25 50              | 356-0130-0000 |
| 5,5 / 140  | 6.024   | 20.741   | 23.624 | 15.748         | 2.090   | <b>25 50</b>        | -                  | 356-0140-0000 |
| - / 150    | 6.417   | 19.363   | 22.000 | 17.126         | 2.473   | -                   | 25 50              | 356-0150-0000 |
| 6 / 152    | 6.496   | 18.928   | 21.705 | 17.126         | 2.500   | <b>25 50</b>        | -                  | 356-0152-0000 |
| 6,3 / 160  | 6.811   | 18.203   | 20.671 | 18.504         | 2.628   | -                   | 25 50              | 356-0160-0000 |
| - / 170    | 7.205   | 17.115   | 19.490 | 23.622         | 2.789   | -                   | 25 50              | 356-0170-0000 |
| - / 175    | 7.402   | 16.680   | 18.899 | 27.559         | 2.863   | -                   | 25 50              | 356-0175-0000 |
| - / 180    | 7.598   | 16.244   | 18.309 | 32.677         | 2.944   | -                   | 25 50              | 356-0180-0000 |
| - / 200    | 8.425   | 14.649   | 16.537 | 37.402         | 3.992   | -                   | 25                 | 356-0200-0000 |
| 8 / 203    | 8.504   | 13.851   | 16.242 | 37.402         | 4.046   | <b>25 50</b>        | -                  | 356-0203-0000 |
| - / 225    | 9.409   | 13.054   | 14.617 | 46.260         | 4.469   | -                   | 25                 | 356-0225-0000 |
| - / 250    | 10.394  | 11.748   | 13.141 | 51.181         | 4.940   | -                   | 25                 | 356-0250-0000 |
| - / 275    | 11.378  | 10.660   | 11.960 | 57.205         | 5.423   | -                   | 25                 | 356-0275-0000 |
| - / 300    | 12.362  | 9.790    | 11.074 | 62.008         | 5.901   | -                   | 25                 | 356-0300-0000 |

## Accessories



CLAMP 216



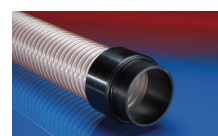
CONNECT SAFETY  
CLAMP ASSEMBLY  
231



CONNECT KARDAN  
254



CONNECT MOULD  
ASSEMBLY 233



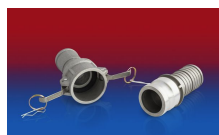
CONNECT 242



CONNECT STORZ  
DIN ALU 251



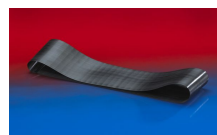
CONNECT PRESS  
ASSEMBLY 232



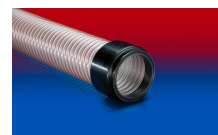
CONNECT KAMLOK  
ALU 253



CONNECT 246 AS



CONNECT 228



CONNECT 245



CONNECT THREAD  
FITTING 234



CONNECT 245 VAC-  
TRUCK



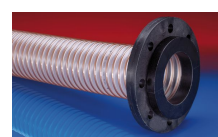
CONNECT TANK  
TRUCK BRASS 252



CLAMP 211



CONNECT 240 + 241  
AS



CONNECT 244



CONNECT 243

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at [www.norres.com/us/technology/](http://www.norres.com/us/technology/). NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68 °F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.