## AIRDUC® PUR 356 FOOD (XHD)







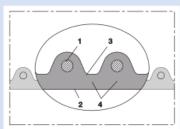












Food hose and pharmaceutical hose, superheavy duty

## **Applications**

- · hose/ ducting for high throughput of extremely abrasive bulk material, granulate and stone
- · food industry, pharmaceutical industry: food, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- vacuum conveying equipment, vacuum hopper, suction conveyor, dosing system
- pelleting machines/ tablet presses
- mixer, dryer, packaging machine, bulk-bag (big bag)-charging and discharging, mill
- · agricultural industry: pneumatic grain conveyer
- animal stall, animal shed: feedstuff conveying, feedstuff plant, animal feed transport
- paper mill, paper and pulp industry: waste water, air extraction
- silo, silo vehicle/ silo truck, tanker/ tank truck: silo charging, silo discharging
- silo, silo vehicle/ silo truck, tanker/ tank truck: conveying of e.g. rice, dry food, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods

## **Properties**

- super-heavy duty
- extremely abrasion-resistant with reinforcement short time to 255°F underneath wire and narrow hose pitch
- very high pressure, vacuum and compression resistance
- Approved by an independent testing laboratory for the complete hose acc. to EU-Directive 10/2011, EC 1935/2004 and EU 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600
- Approval acc. to EU-Directive 10/2011 (food simulants A, B, C or E and D2) and EC 1935/2004
- · odorless and tasteless
- · microbe and hydrolysis resistant
- good resistance to oil, gasoline, and chemicals customer-specific branding
- very good low temperature flexibility
- · according to DIN 26057 Type 4
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

## Temperature range

- -40°F to 195°F

#### Design

- AIRDUC<sup>®</sup> profile hose
- spring steel wire firmly embedded in wall
- wall: special premium ether-polyurethane (Pre-
- 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)

| I.D.      | outer Ø | Pressure | Vacuum | Bending<br>radius | Weight  | Dimensions<br>in Stock | Production lengths | Order No.     |
|-----------|---------|----------|--------|-------------------|---------|------------------------|--------------------|---------------|
| (in / mm) | (in)    | (psi)    | (inHG) | (in)              | (lb/ft) | (ft)                   | (ft)               |               |
| 1,25 / 32 | 1.693   | 71.070   | 29.530 | 3.543             | 0.457   | 25 50                  | -                  | 356-0032-1001 |
| 1,5 / 38  | 1.929   | 60.772   | 29.530 | 4.094             | 0.531   | 25 50                  | -                  | 356-0038-1001 |
| - / 40    | 2.008   | 57.943   | 29.530 | 4.291             | 0.551   | -                      | 25 50              | 356-0040-1001 |
| - / 50    | 2.402   | 47.065   | 29.530 | 5.276             | 0.672   | -                      | 25 50              | 356-0050-1001 |
| 2/51      | 2.441   | 45.760   | 29.530 | 5.276             | 0.685   | 25 50                  | -                  | 356-0051-1001 |
| 2,36 / 60 | 2.795   | 39.668   | 29.530 | 6.142             | 0.793   | -                      | 25 50              | 356-0060-1001 |
| 2,5 / 63  | 2.913   | 38.218   | 29.530 | 6.417             | 0.827   | 25 50                  | -                  | 356-0063-1001 |
| - / 65    | 2.992   | 36.768   | 29.530 | 6.654             | 0.853   | -                      | 25 50              | 356-0065-1001 |
| - / 70    | 3.228   | 34.229   | 29.530 | 7.323             | 0.921   | -                      | 25 50              | 356-0070-1001 |
| - / 75    | 3.425   | 32.054   | 29.530 | 7.677             | 0.981   | -                      | 25 50              | 356-0075-1001 |
| 3 / 76    | 3.465   | 31.981   | 29.530 | 7.677             | 0.995   | 25 50                  | -                  | 356-0076-1001 |
| - / 80    | 3.622   | 30.096   | 29.530 | 8.071             | 1.042   | -                      | 25 50              | 356-0080-1001 |
| -/100     | 4.449   | 26.905   | 29.530 | 10.709            | 1.526   | -                      | 25 50              | 356-0100-1001 |
| 4 / 102   | 4.528   | 24.657   | 29.530 | 10.709            | 1.552   | 25 50                  | -                  | 356-0102-1001 |
| - / 125   | 5.433   | 21.683   | 24.658 | 13.228            | 1.882   | -                      | 25 50              | 356-0125-1001 |
| 5 / 127   | 5.512   | 19.870   | 24.362 | 13.228            | 1.909   | 25 50                  | -                  | 356-0127-1001 |
|           |         |          |        |                   |         |                        |                    |               |

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/. 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.

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| I.D.      | outer Ø | Pressure | Vacuum | Bending<br>radius | Weight  | Dimensions<br>in Stock | Production lengths | Order No.     |
|-----------|---------|----------|--------|-------------------|---------|------------------------|--------------------|---------------|
| (in / mm) | (in)    | (psi)    | (inHG) | (in)              | (lb/ft) | (ft)                   | (ft)               |               |
| - / 150   | 6.417   | 18.130   | 20.523 | 17.126            | 2.473   | -                      | 25 50              | 356-0150-1001 |
| 6 / 152   | 6.496   | 17.550   | 20.228 | 17.126            | 2.500   | 25 50                  | -                  | 356-0152-1001 |

## Accessories



**CONNECT 246 FOOD** 



CLAMP 211



**CONNECT 228** 





**FOOD** 



CLAMP 216



CONNECT 240 + 241 CONNECT ASEPTIC CONNECT THREAD **FOOD** FITTING 249



CONNECT MOULD **ASSEMBLY 233** 



FITTING 234



CONNECT DAIRY FITTING 247



**CONNECT PRESS ASSEMBLY 232** 



**CLAMP FITTING 245** 

CONNECT TRI-

CONNECT SAFETY CONNECT 244 CLAMP ASSEMBLY



FOOD

**CONNECT 245** 

FOOD