

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

### Applications

- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- printed circuit board drilling machines (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

- medium-heavy duty
- highly abrasion resistant
- microbe resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- flame-retardant according to: DIN 4102-B1
- permanently antistatic wall: electrical and surface resistance  $<10^9 \Omega$
- in accordance with ATEX 2014/34/EU 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)

- conforms to the safety regulations of the German Wood Trade Association
- according to DIN 26057 Type 2
- conforms to RoHS guideline

### Temperature range

- 40°F to 195°F
- short time to 255°F

### Design, Material

AIRDUC® profile hose

- spring steel wire firmly embedded in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.03 inch approx.

### Delivery variants

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

| I.D.<br>in / mm | O.D.<br>in | Over-<br>pressure<br>psi | Under-<br>pressure<br>inHG | Bending<br>Radius<br>in | Weight<br>lbs./ft | Stock<br>length<br>ft | Further<br>production<br>lengths<br>ft | Order No.     |
|-----------------|------------|--------------------------|----------------------------|-------------------------|-------------------|-----------------------|--|---------------|
| 1 / 25          | 1.25       | 37.50                    | 18.00                      | 0.89                    | 0.130             | 25 50                 | -                                      | 350-0025-1002 |
| - / 30          | 1.46       | 32.55                    | 17.30                      | 1.02                    | 0.170             | -                     | 25 50                                  | 350-0030-1002 |
| 1.25 / 32       | 1.54       | 30.55                    | 16.85                      | 1.06                    | 0.180             | -                     | 25 50                                  | 350-0032-1002 |
| 1.36 / 35       | 1.65       | 28.00                    | 16.10                      | 1.12                    | 0.195             | -                     | 25 50                                  | 350-0035-1002 |
| 1.5 / 38        | 1.75       | 25.80                    | 15.50                      | 1.22                    | 0.210             | 25 50                 | -                                      | 350-0038-1002 |
| - / 40          | 1.85       | 19.75                    | 14.90                      | 1.25                    | 0.220             | -                     | 25 50                                  | 350-0040-1002 |
| 1.75 / 44-45    | 2.05       | 20.15                    | 13.60                      | 1.36                    | 0.250             | -                     | 25 50                                  | 350-0045-1002 |
| 2 / 50-51       | 2.24       | 19.60                    | 12.85                      | 1.50                    | 0.270             | 25 50                 | -                                      | 350-0050-1002 |
| - / 55          | 2.44       | 18.00                    | 11.65                      | 1.59                    | 0.295             | -                     | 25 50                                  | 350-0055-1002 |
| 2.36 / 60       | 2.64       | 16.55                    | 10.00                      | 1.73                    | 0.325             | -                     | 25 50                                  | 350-0060-1002 |
| 2.5 / 63-65     | 2.76       | 14.80                    | 8.70                       | 1.83                    | 0.350             | 25 50                 | -                                      | 350-0065-1002 |
| - / 70          | 3.03       | 14.15                    | 7.25                       | 1.97                    | 0.375             | -                     | 25 50                                  | 350-0070-1002 |
| 3 / 75-76       | 3.20       | 13.20                    | 6.50                       | 2.07                    | 0.395             | 25 50                 | -                                      | 350-0075-1002 |
| - / 80          | 3.43       | 12.40                    | 5.60                       | 2.20                    | 0.430             | -                     | 25 50                                  | 350-0080-1002 |
| 3.5 / 89-90     | 3.82       | 11.00                    | 4.70                       | 2.44                    | 0.485             | 25 50                 | -                                      | 350-0090-1002 |
| 4 / 100-102     | 4.21       | 10.00                    | 3.40                       | 2.68                    | 0.540             | 25 50                 | -                                      | 350-0100-1002 |
| - / 110         | 4.61       | 9.05                     | 3.10                       | 2.91                    | 0.585             | -                     | 25 50                                  | 350-0110-1002 |
| 4.5 / 114-115   | 4.80       | 8.70                     | 2.95                       | 3.01                    | 0.605             | 25 50                 | -                                      | 350-0115-1002 |
| 4.72 / 120      | 5.00       | 8.25                     | 2.80                       | 3.15                    | 0.640             | -                     | 25 50                                  | 350-0120-1002 |

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](http://www.norres.com). 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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|-----------------|------------|--------------------------|----------------------------|-------------------------|-------------------|-----------------------|--|---------------|
| 5 / 125-127     | 5.20       | 8.00                     | 2.35                       | 3.25                    | 0.660             | 25 50                 | -                                      | 350-0125-1002 |
| - / 130         | 5.39       | 7.60                     | 2.35                       | 3.39                    | 0.680             | -                     | 25 50                                  | 350-0130-1002 |
| 5.5 / 140       | 5.79       | 7.10                     | 2.35                       | 3.62                    | 0.730             | 25 50                 | -                                      | 350-0140-1002 |
| 6 / 150-152     | 6.18       | 6.60                     | 2.20                       | 3.86                    | 0.940             | 25 50                 | -                                      | 350-0150-1002 |
| 6.3 / 160       | 6.57       | 6.00                     | 1.90                       | 4.09                    | 1.010             | -                     | 25 50                                  | 350-0160-1002 |
| 6.5 / 165       | 6.77       | 5.80                     | 1.75                       | 4.17                    | 1.035             | -                     | 25 50                                  | 350-0165-1002 |
| - / 170         | 6.97       | 5.65                     | 1.75                       | 4.25                    | 1.060             | -                     | 25 50                                  | 350-0170-1002 |
| - / 175         | 7.17       | 5.15                     | 1.50                       | 4.43                    | 1.095             | -                     | 25 50                                  | 350-0175-1002 |
| 7 / 178-180     | 7.36       | 5.10                     | 1.50                       | 4.57                    | 1.120             | 25 50                 | -                                      | 350-0180-1002 |
| 8 / 200-203     | 8.15       | 4.55                     | 1.50                       | 5.04                    | 1.250             | 25 50                 | -                                      | 350-0200-1002 |
| - / 225         | 9.13       | 3.85                     | 1.05                       | 5.61                    | 1.400             | -                     | 25 50                                  | 350-0225-1002 |
| 9 / 228-229     | 9.45       | 3.60                     | 0.90                       | 5.83                    | 1.425             | 25 50                 | -                                      | 350-0228-1002 |
| - / 250         | 10.12      | 3.50                     | 0.60                       | 6.22                    | 1.550             | -                     | 25 50                                  | 350-0250-1002 |
| 10 / 254        | 10.28      | 3.40                     | 0.60                       | 6.30                    | 1.580             | 25 50                 | -                                      | 350-0254-1002 |
| - / 275         | 11.10      | 3.20                     | 0.60                       | 6.79                    | 1.705             | -                     | 25                                     | 350-0275-1002 |
| 11 / 280        | 11.30      | 3.05                     | 0.60                       | 6.93                    | 1.740             | 25                    | -                                      | 350-0280-1002 |
| - / 300         | 12.09      | 2.90                     | 0.60                       | 7.40                    | 1.860             | -                     | 25                                     | 350-0300-1002 |
| 12 / 305        | 12.28      | 2.85                     | 0.55                       | 7.50                    | 1.890             | 25                    | -                                      | 350-0305-1002 |
| - / 315         | 12.68      | 2.75                     | 0.45                       | 7.74                    | 1.950             | -                     | 25                                     | 350-0315-1002 |
| - / 325         | 13.07      | 2.70                     | 0.45                       | 7.97                    | 2.010             | -                     | 25                                     | 350-0325-1002 |
| 13 / 330        | 13.27      | 2.65                     | 0.45                       | 8.09                    | 2.045             | -                     | 25                                     | 350-0330-1002 |
| - / 350         | 14.06      | 2.45                     | 0.45                       | 8.58                    | 2.165             | -                     | 25                                     | 350-0350-1002 |
| 14 / 356        | 14.29      | 2.40                     | 0.30                       | 8.74                    | 2.245             | 25                    | -                                      | 350-0356-1002 |
| - / 400         | 16.02      | 2.20                     | 0.30                       | 9.76                    | 2.800             | -                     | 25                                     | 350-0400-1002 |
| 16 / 405-406    | 16.26      | 2.15                     | 0.30                       | 9.96                    | 2.840             | 25                    | -                                      | 350-0406-1002 |
| - / 450         | 18.00      | 1.95                     | 0.30                       | 11.06                   | 3.150             | -                     | 25                                     | 350-0450-1002 |
| 18 / 457        | 18.27      | 1.90                     | 0.30                       | 11.24                   | 3.200             | 25                    | -                                      | 350-0457-1002 |
| - / 500         | 19.96      | 1.75                     | 0.30                       | 12.32                   | 3.495             | -                     | 25                                     | 350-0500-1002 |
| 20 / 508        | 20.28      | 1.70                     | 0.30                       | 12.52                   | 3.550             | 25                    | -                                      | 350-0508-1002 |

## Accessories



CLAMP 212



CLAMP 217



CLAMP 213



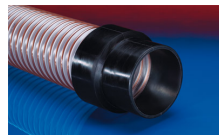
CONNECT 228


CONNECT MOULD  
ASSEMBLY 233

CONNECT THREAD  
FITTING 234

CONNECT TRI-CLAMP  
FITTING 245

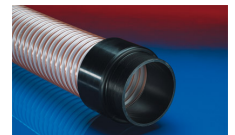
CONNECT DAIRY FITTING  
247

CONNECT ASEPTIC  
FITTING 249


CONNECT 240 + 241



CONNECT 240 EC

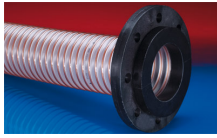


CONNECT 242

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CONNECT 243



CONNECT 244



CONNECT 245



CONNECT 246



CONNECT 223



CONNECT 270-271

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