

Antistatic polyurethane hose, heavy, microbe-resistant, flame-resistant, external protective profile

### Applications

- flexible hose/ ducting for high throughput of abrasive powder, bulk material, granulate and for gases
- 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
- printed circuit board drilling machine (PCB)
- powder spraying, powder coating: e.g. printing industry
- offset printing machine: air supply, air supply cabinet
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- agricultural industry, conveying of seed and fertilizers: seeding machine, seed drill, drilling machine
- agricultural industry: pneumatic grain conveyor
- construction industry, road milling 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

- municipal vehicle: sweeper, sweeping machine
- municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector
- vacuum lifting equipment, vacuum handling system

### Properties

- external abrasion protection via external helix (protects floors and surfaces, prolongs service life, easy to use)
- heavy duty
- highly abrasion resistant
- increased pressure and vacuum resistance
- 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  $10^8-10^9 \Omega$ )
- 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 3
- 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 1,4 - 1,5 mm approx.
- abrasion resistant protection profile (wear strip)

### Delivery variants

- further lengths available on request
- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific branding

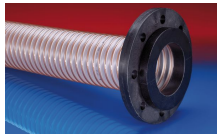
| I.D.      | outer Ø | Pressure<br>DIN 26057<br>(50% Elongation) | Vacuum<br>DIN 26057<br>(axially fixed) | Bending<br>Radius | Weight | Minimum<br>Quantity | Order No.     |
|-----------|---------|---|--|-------------------|--------|---------------------|---------------|
| (in / mm) | (mm)    | (bar)                                     | (bar)                                  | (mm)              | (kg/m) | (m)                 |               |
| 1,25 / 32 | 42.00   | 3,770 (7,15)                              | 1,000 (1,00)                           | 26.00             | 0.44   | 150                 | 355-0032-5550 |
| 2 / 50-51 | 60.00   | 2,485 (4,67)                              | 0,825 (1,00)                           | 35.00             | 0.66   | 150                 | 355-0050-5550 |

## Accessories

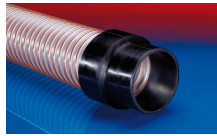
Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 20 °C and are approx. data. Additional information at [www.norres.com/en/technology/](http://www.norres.com/en/technology/).



CLAMP 217



CONNECT 244



CONNECT 240 + 241  
AS



CONNECT 223



CLAMP 212



CONNECT 243



CONNECT 246 AS



CONNECT PRESS  
ASSEMBLY 232



CONNECT SAFETY  
CLAMP ASSEMBLY  
231



CLAMP 216



CONNECT 228



CONNECT THREAD  
FITTING 234



CLAMP 212 EC



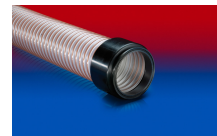
CLAMP 213



CONNECT 245 VAC-  
TRUCK



CONNECT MOULD  
ASSEMBLY 233



CONNECT 245



CONNECT 270-271