

## Suction and blast hose for the food and pharmaceutical industries (FDA); PUR + stainless steel, super-light + reinforced, compressible 3:1

**Applications:** Suction and blast hose, especially suitable:

- for abrasive solids such as dust, powder, fibres and chips
- for gaseous media such as vapors and smoke
- for de-dusting and suction plants
- for the food and pharmaceutical industry

### Properties

- super-light and reinforced model
- highly flexible + compressible 3:1
- abrasion-proof (abrasion resistance about 2.5 to 5 times better than most rubber materials and about 3 to 4 times better than most soft PVC's)
- optimized flow properties
- high tensile strength and tear resistant
- food grade wall, complies with: FDA 21 CFR 177.2600 and 178.2010, EU Directive 2002/72 /EC, incl. amending Directives 975/2009 and Regulation No. 10/2011

- approved by an independent testing laboratory for the complete hose acc. to EU Directive 2002 /72/EC, incl. amending Directive 975/2009 and Regulation No. 10/2011
- odourless and tasteless
- microbe and hydrolysis resistant
- good resistance to chemicals
- good resistance to UV and ozone
- very good low temperature flexibility (better than comparable ester-polyurethanes)
- small bending radius
- kink-proof
- free of softener and halogen
- gas and liquid tight
- conform to RoHS guideline
- according to German TRBS 2153 (formerly BGR 132): capable of electro-static discharge by grounding the spiral, recommended for many applications with the exception of inflammable bulk materials

### Temperature Range

- -40 °C approx. to +90 °C approx.
- short time to +125 °C approx.

### Design, material

PROTAPE® tape hose

1. spring steel wire integrated in wall  
spiral: stainless steel wire (INOX)
2. extruded tape  
wall: special premium ether-polyurethane (Pre-PUR®)
3. wall thickness 0.6 mm approx.

### Delivery variants

- cut lengths and special lengths
- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific product marking
- wall: „bioplastic“ material derived from renewable raw materials without food applicability
- customised connectors

| I.D. | O.D. | Rec. operating limits |        | Bending Radius | Weight | Stock Lengths | Further Production Lengths | Order No.     |
|------|------|-----------------------|--------|----------------|--------|---------------|----------------------------|---------------|
|      |      | Overpressure          | Vacuum |                |        |               |                            |               |
| mm   | mm   | bar                   | bar    | mm             | kg/m   | m             | m                          |               |
| 38   | 45   | 1,060                 | 0,320  | 45             | 0,250  | -             | 10                         | 330-0038-1103 |
| 40   | 47   | 1,015                 | 0,300  | 47             | 0,280  | 10            | -                          | 330-0040-1103 |
| 50   | 58   | 0,815                 | 0,260  | 58             | 0,360  | 10            | -                          | 330-0050-1103 |
| 60   | 68   | 0,680                 | 0,210  | 68             | 0,430  | -             | 10                         | 330-0060-1103 |
| 65   | 73   | 0,630                 | 0,180  | 73             | 0,470  | 10            | -                          | 330-0065-1103 |
| 70   | 78   | 0,585                 | 0,150  | 78             | 0,500  | -             | 10                         | 330-0070-1103 |
| 75   | 83   | 0,545                 | 0,140  | 83             | 0,530  | -             | 10                         | 330-0075-1103 |
| 80   | 88   | 0,510                 | 0,130  | 88             | 0,570  | 10            | -                          | 330-0080-1103 |
| 100  | 108  | 0,410                 | 0,090  | 108            | 0,660  | 10            | -                          | 330-0100-1103 |
| 120  | 128  | 0,340                 | 0,075  | 128            | 0,790  | -             | 10                         | 330-0120-1103 |
| 125  | 133  | 0,330                 | 0,060  | 133            | 0,820  | 10            | -                          | 330-0125-1103 |
| 150  | 158  | 0,275                 | 0,055  | 158            | 0,980  | 10            | -                          | 330-0150-1103 |
| 160  | 168  | 0,255                 | 0,050  | 168            | 1,040  | -             | 10                         | 330-0160-1103 |
| 180  | 188  | 0,230                 | 0,040  | 188            | 1,170  | -             | 10                         | 330-0180-1103 |
| 200  | 208  | 0,205                 | 0,040  | 208            | 1,290  | -             | 10                         | 330-0200-1103 |

Other diameters and lengths available on request. All values indicated here are approximate figures based on a temperature of 20 °C. Data subject to change without notice. Please also refer to our Technical Appendix on [www.norres.com](http://www.norres.com).



## Accessories

13.1.0



CLAMP 212

13.6.0



CLAMP 217

13.7.0



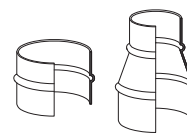
CLAMP 213

13.14.0



CONNECT 223

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CONNECT 270-271

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