

SUCTION AND TRANSPORT HOSE LIGHTWEIGHT

Master-PUR L Trivolution

Material

Hose wall: Pure polyester polyurethane, highly abrasion-resistant

Spiral: Spring steel wire

Applications

- Transport of fine-grained particles, such as dust and powder
- Suction/extraction of paper and textile fibers
- Suction & transport hose for abrasive solids, liquids and gases
- Protective hose against mechanical wear
- Oil mist extraction/suction

Properties

- **Antistatic, surface resistance $R_{\circ} < 10^9$**
- **Flame-resistant**
- **acc. to TRBS 2153 (zone 20) for flammable dust/bulk solids for conducting electrostatic charges when earthed at both ends of the spiral**
- **Microbe-resistant**
- Highly abrasion-resistant
- Oil/petroleum-proof
- Small bend radius
- Optimum flow characteristics
- Lightweight
- Extremely flexible
- Halogen/plasticizer-free
- Gas-tight
- Good chemical resistance
- High tensile strength
- Good UV/ozone resistance



Construction

1. Spring steel spiral
2. Hose wall: pure polyester polyurethane
3. Wall thickness between spirals 0.7 mm



Temperature Range

- -22°F to +195°F
- Intermittent to +260°F

Chem. Resistance

See resistance table



The PUR hose series combines the 3 most important features of a spiral hose into 1 product: antistatic + flame-resistant + microbe-resistant.

A combination with unbeatable features!

-Dr. Les Spark

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| DN (mm) | Op. pressure c. bar | Vacuum c. bar | Bend radius c. mm* | Outer Ø c. mm | Weight c. kg/m | Article no |
|---------|---------------------|---------------|--------------------|---------------|----------------|-------------|
| 25 | 3.22 | 0.79 | 31 | 31 | 0.25 | 110-025-401 |
| 38 | 2.1 | 0.66 | 46 | 46 | 0.39 | 110-038-401 |
| 50 | 1.68 | 0.52 | 58 | 58 | 0.45 | 110-050-401 |
| 65 | 1.26 | 0.37 | 73 | 73 | 0.64 | 110-065-401 |
| 75 | 1.12 | 0.29 | 84 | 84 | 0.72 | 110-075-401 |
| 100 | 0.84 | 0.22 | 110 | 110 | 0.95 | 110-100-401 |
| 110 | 0.7 | 0.22 | 119 | 119 | 1.03 | 110-110-401 |
| 150 | 0.56 | 0.15 | 161 | 161 | 1.48 | 110-150-401 |
| 200 | 0.42 | 0.15 | 214 | 214 | 2.3 | 110-200-401 |

*Referring to the inner side of the elbow of hose. The above mentioned data refers to an average and ambient temperature of 68o F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

Standard Production

- Diameter: 25 mm to 200 mm
- Color: transparent
- Standard lengths: 10m

Available on Request

- Special lengths to 15m
- Special diameters available on request

Installation and connection possibilities



Master-grip hose clamp, screwable



Master-grip quick-fix clamp



Hose connector



PU cuff, electro-conductive



Combiflex PU threaded socket



Combiflex PU swivel flange, screwable/ fixed

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