

SUCTION AND TRANSPORT HOSE CRUSH-RESISTANT

Master-PUR STEP

Material

Hose wall: 100% pure polyester polyurethane.

Spiral: polyurethane

Applications

- Ideally suitable as suction hose where conventional hoses can be deformed by bad operating conditions on the floor
- Dust and powder conveyance
- Wood processing
- Light food processing
- Pharmaceutical industry
- Protective hose

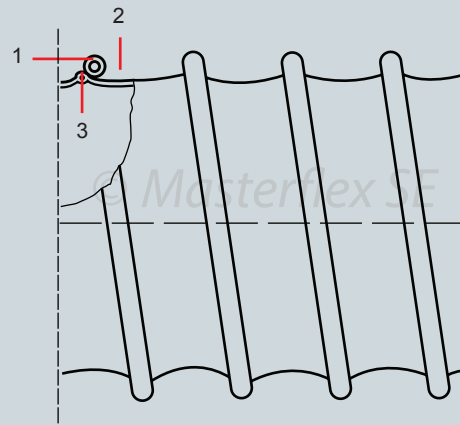
Properties

- Antistatic, surface resistance $R_o < 10^9$
- Flame-resistant
- Hose wall (conforms to FDA food contact as described in book 21, section 177.2600 and 177.1680)
- Crush-resistant
- High resistance to mechanical loads
- Highly abrasion-resistant
- Good flexibility
- Super lightweight
- Optimum flow characteristics
- Oil/petroleum-proof
- Halogen/plasticizer-free
- Good chemical resistance
- Good UV/ozone resistance
- High tensile and burst strength



Construction

1. Hollow-profile spiral
2. Hose wall: polyurethane
3. Static wire available on request



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 in 1 product: antistatic, flame-resistant and conforms to FDA food contact. A combination with unbeatable features!
-Dr. Les Spark

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| Dia (in.) | Positive (in. w.c.) | Negative (in. w.c.) | *Bending radius (in.) | Outer Dia (in.) | Weight (lbs./ft.) | Product Code |
|-----------|---------------------|---------------------|-----------------------|-----------------|-------------------|--------------|
| 2.00 | 345 | 76 | 2.40 | 2.44 | 0.27245 | 324-050-618 |
| 2.50 | 281 | 63 | 3.00 | 3.00 | 0.35410 | 324-063-618 |
| 3.00 | 245 | 52 | 3.00 | 3.48 | 0.40931 | 324-075-618 |
| 3.50 | 190 | 52 | 4.00 | 4.04 | 0.49030 | 324-090-618 |
| 4.00 | 185 | 38 | 4.00 | 4.48 | 0.53680 | 324-100-618 |
| 4.50 | 159 | 38 | 4.60 | 5.04 | 0.62650 | 324-115-618 |
| 5.00 | 147 | 38 | 5.00 | 5.52 | 0.68100 | 324-125-618 |
| 5.50 | 121 | 26 | 5.60 | 6.04 | 0.77165 | 324-140-618 |
| 6.00 | 121 | 26 | 6.00 | 6.53 | 0.80520 | 324-150-618 |
| 6.40 | 121 | 26 | 6.40 | 6.84 | 0.87230 | 324-160-618 |

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

Standard Production

- Diameter: 2" to 6.4"
- Color: hose wall clear with blue spiral
- Standard lengths: 25'

Available on Request

- Special lengths up to 50'
- Static wire available on request
- Special diameters metric

Installation and connection possibilities



Master-Grip hose clamp, screwable



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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