

SUCTION AND TRANSPORT HOSE LIGHT/MEDIUM WEIGHT

Master-PUR L-F

Material

Hose wall: 100% pure polyester polyurethane, highly abrasion-resistant

Spiral: PU-coated spring steel wire

Applications

- Food industry
- Pharmaceutical industry
- Suction and transport hose for abrasive solids and gases
- Suction of paper and textile fibers
- Transport of small particle dusts and powders
- Oil-spray extraction
- Protection hose against mechanical pressure
- Transport hose for abrasive solids in fire risk areas
- Woodworking machines
- Exhaust equipment in wood-working industries
- Rear suction hoses on small machines, public utility cleansing and refuse collection vehicles
- Wet and dry process conveyance

Properties

- Antistatic, surface resistance $R_o < 10^9$ ohm
- Flame-resistant
- Hose wall (conforms to FDA food contact as described in book 21, section 177.2600 and 177.1680)
- Reinforced by spring steel spiral
- Good flexibility
- Small bend radius
- Lightweight
- High tensile and burst strength
- Highly abrasion-resistant
- Kink-resistant
- Oil/petroleum-proof
- Gas-tight
- Halogen/plasticizer-free
- Good UV/ozone resistance
- Smooth inside, for optimum flow characteristics
- Good chemical resistance

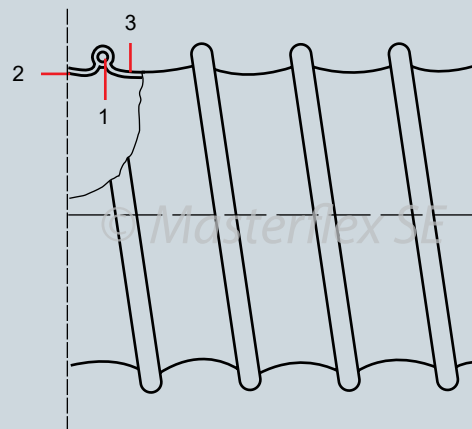


The PUR hose series combines the 3 most important features of a spiral hose into 1 product: antistatic + flame-resistant + food-grade.
A combination with unbeatable features!
-Dr. Les Spark



Construction

1. PU-coated spring steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .0275"



Temperature Range

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

Chem. Resistance

See resistance table

Master-PUR L-F

| Dia (in.) | Positive (in. w.c.) | Negative (in. w.c.) | *Bending radius (in.) | Outer Dia (in.) | Weight (lbs./ft.) | Product Code |
|-----------|---------------------|---------------------|-----------------------|-----------------|-------------------|--------------|
| 2.00 | 675 | 210 | 2.72 | 2.32 | 0.29 | 302-050-401 |
| 2.40 | 563 | 180 | 2.92 | 2.72 | 0.35 | 302-060-401 |
| 2.60 | 506 | 150 | 3.12 | 2.92 | 0.38 | 302-065-401 |
| 2.80 | 450 | 150 | 3.12 | 3.12 | 0.41 | 302-070-401 |
| 3.00 | 450 | 150 | 3.36 | 3.36 | 0.62 | 302-075-401 |
| 3.20 | 450 | 120 | 3.52 | 3.52 | 0.66 | 302-080-401 |
| 3.50 | 394 | 120 | 3.96 | 3.96 | 0.70 | 302-090-401 |
| 4.00 | 338 | 90 | 4.40 | 4.40 | 0.71 | 302-100-401 |
| 4.40 | 338 | 90 | 4.76 | 4.76 | 0.78 | 302-110-401 |
| 4.50 | 281 | 90 | 4.96 | 4.96 | 0.79 | 302-115-401 |
| 4.80 | 281 | 90 | 5.16 | 5.16 | 0.83 | 302-120-401 |
| 5.00 | 281 | 90 | 5.40 | 5.40 | 0.87 | 302-125-401 |
| 5.20 | 225 | 90 | 5.56 | 5.56 | 0.91 | 302-130-401 |
| 5.60 | 225 | 60 | 5.96 | 5.96 | 0.91 | 302-140-401 |
| 6.00 | 225 | 60 | 6.44 | 6.44 | 0.98 | 302-150-401 |
| 6.40 | 225 | 60 | 6.80 | 6.80 | 1.04 | 302-160-401 |
| 6.80 | 169 | 60 | 7.20 | 7.20 | 1.11 | 302-170-401 |
| 7.00 | 169 | 60 | 7.40 | 7.40 | 1.14 | 302-175-401 |
| 7.20 | 169 | 60 | 7.60 | 7.60 | 1.17 | 302-180-401 |
| 8.00 | 169 | 60 | 8.56 | 8.56 | 1.30 | 302-200-401 |
| 9.00 | 113 | 30 | 9.40 | 9.40 | 1.43 | 302-225-401 |
| 10.00 | 113 | 30 | 10.40 | 10.40 | 2.07 | 302-250-401 |
| 11.00 | 102 | 27 | 11.36 | 11.40 | 1.98 | 302-275-401 |
| 12.00 | 90 | 24 | 12.40 | 12.40 | 2.16 | 302-300-401 |
| 12.40 | 90 | 24 | 13.00 | 13.00 | 2.26 | 302-315-401 |
| 13.00 | 90 | 24 | 13.40 | 13.40 | 2.34 | 302-325-401 |
| 14.00 | 47 | 24 | 14.40 | 14.40 | 2.51 | 302-350-401 |
| 16.00 | 47 | 19 | 16.40 | 16.40 | 2.88 | 302-400-401 |

*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 16"
- Color: transparent
- Standard lengths: 25'

Available on Request

- Special wire colors
- Special lengths up to 75'
- Electrically conductive
- Stainless steel helix
- Special diameters metric

Installation and connection possibilities



Master-Grip hose clamp, screwable



Hose clamp with worm-gear drive



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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