

SUCTION AND TRANSPORT HOSE PHARMACEUTICAL AND FOOD GRADE

Master-PUR H-F-SS

Material

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

Spiral: PU-coated 316 stainless steel wire

Applications

- Food industry
- Pharmaceutical industry
- Suction and transport hose for abrasive materials
- Clean room applications
- Gaseous and liquid media
- Transport of abrasive dry food and powders
- Wet and dry process conveyance
- Stainless steel requirements

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)
- Highly abrasion-resistant
- Gas-tight
- Good chemical resistance
- Halogen/plasticizer-free
- Good flexibility
- Heavyweight
- Improved pressure and vacuum characteristics
- High tensile and burst strength
- Smooth inside, for optimum flow characteristics
- Washable
- Adhesive-free

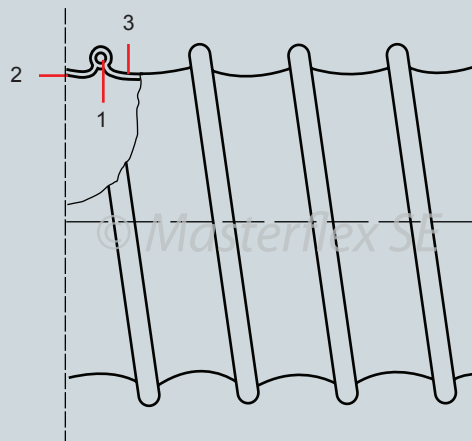


The PUR hose series combines the 3 most important features of a spiral hose in 1 product: antistatic, flame-resistant and conforms to FDA food contact. A combination with unbeatable features!
-Dr. Les Spark



Construction

1. PU-coated 316 stainless steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .055"



Temperature Range

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

Chem. Resistance

See resistance table

Master-PUR H-F-SS

| Dia (in.) | Positive (in. w.c.) | Negative (in. w.c.) | *Bending radius (in.) | Outer Dia (in.) | Weight (lbs./ft.) | Product Code |
|-----------|---------------------|---------------------|-----------------------|-----------------|-------------------|--------------|
| 1.52 | 1,266 | 340 | 3.48 | 1.82 | 0.36578 | 303-038-588 |
| 2.00 | 1,166 | 320 | 4.08 | 2.44 | 0.37578 | 303-050-588 |
| 2.40 | 1,025 | 300 | 4.48 | 2.80 | 0.44286 | 303-060-588 |
| 2.60 | 965 | 270 | 4.68 | 3.00 | 0.48312 | 303-065-588 |
| 2.80 | 904 | 270 | 5.04 | 3.20 | 0.51667 | 303-070-588 |
| 3.00 | 904 | 240 | 5.04 | 3.48 | 0.55022 | 303-075-588 |
| 3.20 | 804 | 240 | 5.28 | 3.64 | 0.58377 | 303-080-588 |
| 3.60 | 663 | 210 | 5.96 | 4.04 | 0.65087 | 303-090-588 |
| 4.00 | 603 | 180 | 6.60 | 4.48 | 0.72468 | 303-100-588 |
| 4.40 | 543 | 180 | 7.16 | 4.84 | 0.79178 | 303-110-588 |
| 4.60 | 543 | 125 | 7.44 | 5.04 | 0.82533 | 303-115-588 |
| 4.80 | 522 | 125 | 7.76 | 5.24 | 0.86559 | 303-120-588 |
| 5.00 | 522 | 125 | 8.12 | 5.52 | 0.89914 | 303-125-588 |
| 5.20 | 522 | 125 | 8.36 | 5.64 | 0.93269 | 303-130-588 |
| 5.60 | 422 | 125 | 8.96 | 6.04 | 1.04676 | 303-140-588 |
| 6.00 | 422 | 125 | 9.68 | 6.52 | 1.11386 | 303-150-588 |
| 6.40 | 362 | 100 | 10.20 | 6.84 | 1.18767 | 303-160-588 |
| 6.80 | 362 | 100 | 10.80 | 7.24 | 1.26148 | 303-170-588 |
| 7.00 | 362 | 100 | 11.12 | 7.44 | 1.29503 | 303-175-588 |
| 7.20 | 301 | 75 | 11.40 | 7.64 | 1.91906 | 303-180-588 |
| 8.00 | 301 | 75 | 12.84 | 8.60 | 1.91906 | 303-200-588 |
| 9.00 | 241 | 50 | 14.12 | 9.48 | 2.15391 | 303-225-588 |
| 10.00 | 241 | 50 | 15.60 | 10.52 | 2.38876 | 303-250-588 |
| 11.00 | 181 | 50 | 17.04 | 11.52 | 2.62361 | 303-275-588 |
| 12.00 | 181 | 50 | 18.60 | 12.52 | 2.85846 | 303-300-588 |
| 12.60 | 181 | 50 | 19.52 | 13.12 | 2.99937 | 303-315-588 |
| 13.00 | 181 | 50 | 20.12 | 13.52 | 3.09331 | 303-325-588 |
| 14.00 | 181 | 50 | 21.60 | 14.52 | 3.32816 | 303-350-588 |
| 16.00 | 181 | 27 | 24.60 | 16.52 | 3.79786 | 303-400-588 |

Standard Production

- Diameter: 1.52" to 16"
- Color: transparent
- Standard lengths: 25'

Available on Request

- Special lengths up to 50'
- Special diameters metric

*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.

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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