

SUCTION AND BLOWER HOSE FOR VENTILATION

Master-Clip PUR

Material

Hose wall: ultra high molecular weight polyurethane
Spiral: galvanized steel

Applications

- Air-conditioning/ventilation systems
- Extraction of abrasive media
- Grass collectors and lawn mowers
- Light material handling
- Dust collection
- Chemical vapors
- Low pressure applications

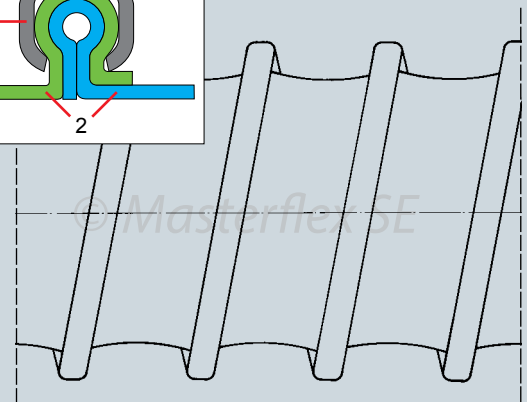
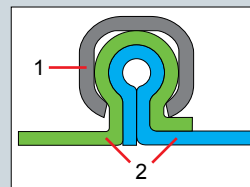
Properties

- Highly abrasion-resistant
- Good resistance to mechanical damage
- Good resistance to oil and gas vapors
- Improved vacuum characteristics
- Highly resilient
- Resistant to aging
- Resistant to low temperatures
- Highly flexible
- Extreme compressibility 1:6
- Small bend radius
- External steel helix protects against abrasion
- Environmentally sound alternative to PVC
- Much higher temperature rating than PVC-hoses
- Special clamping method guarantees high tensile strength between hose material and external helix



Construction

1. External helix
2. Wall thickness between spirals .0118"



Temperature Range

- -40°F to +195°F

Chem. Resistance

- See resistance table

Master-Clip PUR

| Dia (in.) | Positive (in. w.c.) | Negative (in. w.c.) | *Bending radius (in.) | Weight (lbs./ft.) | Product Code |
|-----------|---------------------|---------------------|-----------------------|-------------------|--------------|
| 3.00 | 141 | 40 | 1.80 | 0.4026 | 214-075-101 |
| 3.50 | 104 | 32 | 2.16 | 0.4026 | 214-090-101 |
| 4.00 | 92 | 27 | 2.40 | 0.4026 | 214-100-101 |
| 4.50 | 80 | 23 | 2.64 | 0.4026 | 214-115-101 |
| 5.00 | 68 | 20 | 3.00 | 0.4697 | 214-125-101 |
| 5.60 | 56 | 18 | 3.36 | 0.5368 | 214-140-101 |
| 6.00 | 54 | 18 | 3.60 | 0.5368 | 214-150-101 |
| 6.40 | 52 | 16 | 3.84 | 0.6039 | 214-160-101 |
| 7.00 | 44 | 13 | 4.20 | 0.6710 | 214-175-101 |
| 8.00 | 40 | 10 | 4.80 | 0.7381 | 214-200-101 |
| 9.00 | 32 | 8 | 6.32 | 0.8723 | 214-225-101 |
| 10.00 | 30 | 6 | 7.00 | 0.9394 | 214-250-101 |
| 11.00 | 28 | 5 | 7.72 | 1.1407 | 214-275-101 |
| 12.00 | 24 | 4 | 8.40 | 1.2749 | 214-300-101 |
| 13.00 | 21 | 4 | 9.12 | 1.4091 | 214-325-101 |
| 14.00 | 20 | 3 | 9.80 | 1.5433 | 214-350-101 |
| 15.00 | 16 | 3 | 10.52 | 1.8117 | 214-375-101 |
| 16.00 | 12 | 3 | 11.20 | 1.9459 | 214-400-101 |
| 18.00 | 11 | 2 | 14.40 | 2.3485 | 214-450-101 |
| 20.00 | 10 | 2 | 16.00 | 2.6169 | 214-500-101 |
| 22.00 | 10 | 1 | 17.60 | 2.9524 | 214-550-101 |
| 24.00 | 9 | 1 | 19.20 | 3.2879 | 214-600-101 |
| 28.00 | 8 | 1 | 22.40 | 3.8918 | 214-700-101 |
| 32.00 | 6 | 1 | 25.60 | 4.4957 | 214-800-101 |
| 36.00 | 4 | 1 | 28.80 | 5.0996 | 214-900-101 |

*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: 3" to 36"
- Color: transparent
- Standard lengths: 25'

Available on Request

- Special lengths
- Stainless steel external helix
- Special diameters metric

Installation and connection possibilities



Clip-Grip hose clamp, screwable



Hose clamp with worm-gear drive



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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