

# SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +350°F

## Master-Clip PTFE-H

### Material

- Hose wall double layer:
- Inner layer: PTFE-film
- Outer layer: Hypalon®-coated glass fabric
- External helix: galvanized steel

### Applications

- Pharmaceutical industry
- Chemical industry
- Paint, wood, and paper industries
- Extraction of corrosive media
- Under increased mechanical performance
- Paint mist exhaustion
- Solvent extraction
- Low pressure applications

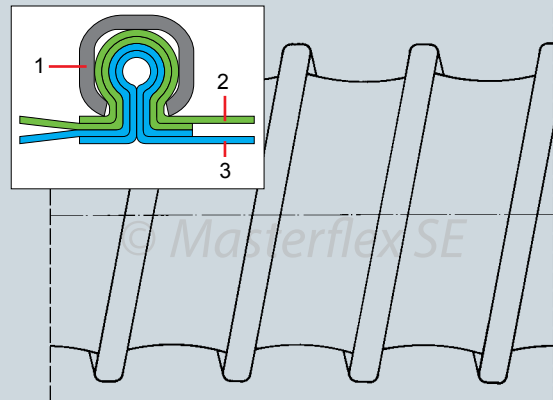
### Properties

- Excellent chemical resistance
- PTFE: harmless to health
- Excellent weather resistance
- High temperature and cold resistant
- Vibration-proof
- Highly flexible
- Extreme compressibility 1:4
- Small bend radius
- Extra strength outer hose wall
- Hose wall with non-stick surface
- Excellent flex fatigue resistance
- Good tear strength
- Good UV/ozone resistance
- Optimum flow characteristics
- External steel helix protects against abrasion
- Special clamping method guarantees high tensile strength between hose material and external helix



### Construction

1. External helix
2. Outer layer: Hypalon®-coated glass fabric
3. Inner layer: PTFE-film



### Temperature Range

- -40°F up to +350°F
- Intermittent to +375°F

### Chem. Resistance

- See resistance table

# Master-Clip PTFE-H

| Dia (in.) | Positive (in. w.c.) | Negative (in. w.c.) | *Bending radius (in.) | Weight (lbs./ft.) | Product Code |
|-----------|---------------------|---------------------|-----------------------|-------------------|--------------|
| 2.50      | 273                 | 104                 | 1.56                  | 0.4697            | 251-065-107  |
| 3.00      | 249                 | 78                  | 1.80                  | 0.5368            | 251-075-107  |
| 3.50      | 225                 | 54                  | 2.16                  | 0.6039            | 251-090-107  |
| 4.00      | 205                 | 44                  | 2.40                  | 0.6710            | 251-100-107  |
| 4.50      | 193                 | 37                  | 2.64                  | 0.7381            | 251-110-107  |
| 5.00      | 133                 | 28                  | 3.00                  | 0.8052            | 251-125-107  |
| 5.60      | 100                 | 23                  | 3.36                  | 0.8723            | 251-140-107  |
| 6.00      | 88                  | 20                  | 3.60                  | 0.8723            | 251-150-107  |
| 6.40      | 84                  | 17                  | 3.84                  | 0.8723            | 251-160-107  |
| 7.00      | 74                  | 15                  | 4.20                  | 0.9394            | 251-175-107  |
| 8.00      | 59                  | 11                  | 4.80                  | 1.0736            | 251-200-107  |
| 9.00      | 46                  | 9                   | 6.32                  | 1.3420            | 251-215-107  |
| 10.00     | 40                  | 7                   | 7.00                  | 1.4091            | 251-250-107  |
| 11.00     | 32                  | 6                   | 7.72                  | 1.5433            | 251-275-107  |
| 12.00     | 28                  | 5                   | 8.40                  | 1.6104            | 251-300-107  |
| 13.00     | 24                  | 4                   | 9.12                  | 1.8788            | 251-325-107  |
| 14.00     | 23                  | 4                   | 9.80                  | 2.2143            | 251-350-107  |
| 15.00     | 20                  | 3                   | 10.52                 | 2.3485            | 251-375-107  |
| 16.00     | 19                  | 3                   | 11.20                 | 2.5498            | 251-400-107  |
| 18.00     | 18                  | 2                   | 14.40                 | 2.8182            | 251-450-107  |
| 20.00     | 17                  | 2                   | 16.00                 | 3.1537            | 251-500-107  |
| 22.00     | 17                  | 2                   | 17.60                 | 3.5563            | 251-550-107  |
| 24.00     | 16                  | 1                   | 19.20                 | 3.9589            | 251-600-107  |
| 28.00     | 12                  | 1                   | 22.40                 | 4.6299            | 251-700-107  |
| 32.00     | 9                   | 1                   | 25.60                 | 5.0996            | 251-800-107  |
| 36.00     | 6                   | 1                   | 28.80                 | 5.5022            | 251-900-107  |

\*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: 2.5" to 36"
- Color: inside white, outside black
- Standard lengths: 25'

## Available on Request

- Special lengths up to 50'
- Custom design with other pitches and helix sizes
- External helix also in stainless steel
- Special diameters metric

## Installation and connection possibilities



Clip-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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