

# 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

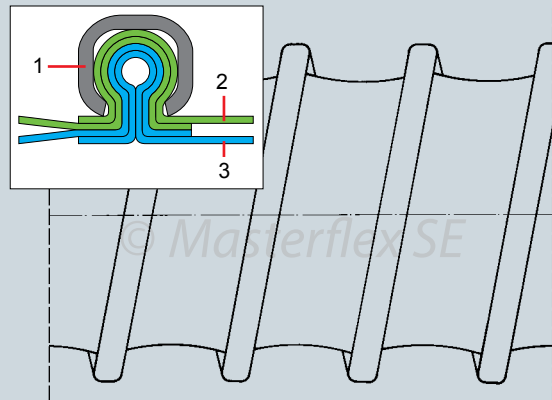
### Properties

- 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

Masterduct, Inc.  
5235 Ted Street  
Houston, TX 77040 USA  
Tel. +1 713 462-5779  
Tel. +1 800 318-3300  
Fax +1 713 939-8441  
www.Masterduct.com

 **MASTERDUCT**  
Connecting Values