

# SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F

## Master-Clip PTFE-S

### Material

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

### Applications

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

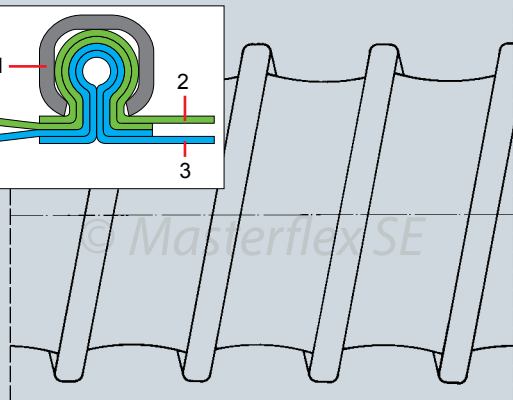
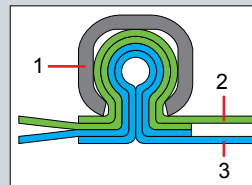
### Properties

- Excellent chemical resistance
- PTFE: harmless to health
- Excellent weather resistance
- Heat and cold resistant
- Highly flexible
- Extreme compressibility 1:6
- Small bend radius
- Outer hose wall of extra strength material
- Hose wall with non-stick surface
- Excellent flex fatigue resistance
- Good tear strength
- 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: silicone-coated glass fabric
3. Inner layer: PTFE-film



### Temperature Range

- -90°F up to +480°F
- Intermittent to +520°F

### Chem. Resistance

See resistance table

# Master-Clip PTFE-S

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
3.00	189	62	1.80	0.5368	252-075-116
3.50	143	44	2.16	0.6039	252-090-116
4.00	121	35	2.40	0.6710	252-100-116
4.50	104	29	2.64	0.7381	252-115-116
5.00	84	22	3.00	0.8052	252-125-116
5.50	70	18	3.36	0.8723	252-140-116
6.00	63	16	3.60	0.8723	252-150-116
6.40	56	14	3.84	0.8723	252-160-116
7.00	49	12	4.20	0.9394	252-175-116
8.00	40	9	4.80	1.0736	252-200-116
9.00	33	7	6.32	1.3420	252-225-116
10.00	28	6	7.00	1.4091	252-250-116
11.00	24	5	7.72	1.5433	252-275-116
12.00	21	4	8.40	1.6104	252-300-116
13.00	18	3	9.12	1.8788	252-325-116
14.00	16	3	9.80	2.2143	252-350-116
15.00	14	3	10.52	2.3485	252-375-116
16.00	13	2	11.20	2.5498	252-400-116
18.00	11	2	14.40	2.8182	252-450-116
20.00	9	1	16.00	3.1537	252-500-116
22.00	8	1	17.60	3.5563	252-550-116
24.00	7	1	19.20	3.9589	252-600-116
28.00	6	1	22.40	4.6299	252-700-116
32.00	4	1	25.60	5.0996	252-800-116
36.00	4	1	28.80	5.5022	252-900-116

\*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: silver-gray
- 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 special hose clamp



Hose connector



Hose reducer, symmetrical

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