

# VULCANIZED PRODUCTS FOR TEMPERATURES UP TO +600°F

## Master-SIL 1

### Material

Hose wall: single layer, silicone-coated glass fabric

Spiral: spring steel wire

Cord: glass fiber cord

### Applications

- Chemicals industry
- Automotive industry
- Aircraft manufacturing
- Conveyance of air and gaseous media with high nominal and ambient temperatures
- Hot air hose for granulate dryer
- Machine and engine manufacturing
- Shipbuilding
- Plastic processing industry
- Waste incineration plants
- General engineering

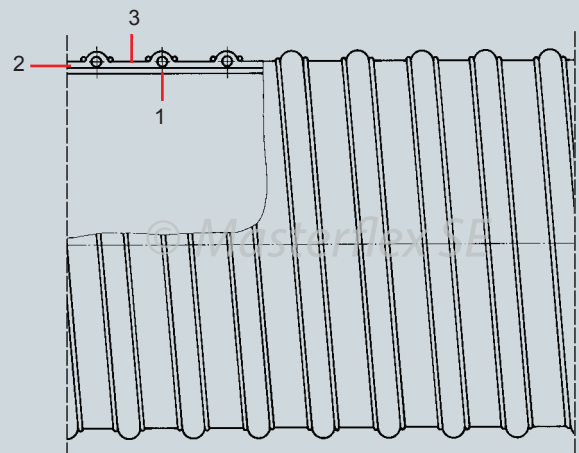
### Properties

- Highly flexible
- Lightweight
- Small bend radius
- Symmetrical bending
- Kink-proof
- Good chemical resistance
- Immovable vulcanized wall and spring steel spiral
- To maximize life of duct and exhaust system effectiveness, it is recommended to utilize a negative pressure exhaust system and introduce ambient air at the inlet



### Construction

1. Spring steel spiral
2. Hose wall: single layer, silicone-coated glass fabric
3. Glass fiber cord



### Temperature Range

- -75°F up to +600°F

### Chem. Resistance

See resistance chart

# Master-SIL 1

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product Code
1.00	643	204	0.32	0.08	685-026-800
1.25	563	200	0.40	0.09	685-032-800
1.50	522	200	0.48	0.11	685-038-800
1.75	482	184	0.56	0.14	685-044-800
2.00	482	172	0.64	0.17	685-050-800
2.25	442	164	0.72	0.18	685-057-800
2.50	442	156	0.88	0.21	685-063-800
3.00	442	136	1.08	0.27	685-075-800
3.50	402	120	1.16	0.32	685-090-800
4.00	362	104	1.40	0.43	685-100-800
4.50	362	88	1.60	0.48	685-115-800
5.00	322	68	1.84	0.53	685-125-800
6.00	281	56	2.00	0.65	685-150-800

\*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: 1" to 6"
- Color: red
- Standard lengths: 13' (1"-6" dia)

## Installation and connection possibilities



Hose clamp with worm-gear drive



Hose connector



Hose reducer, symmetrical

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