

# SUCTION AND TRANSPORT HOSE LIGHTWEIGHT

## Master-PUR SL-F

### Material

Hose wall: 100% pure polyester polyurethane, highly abrasion-resistant

Spiral: PU-coated spring steel wire

### Applications

- Food industry
- Pharmaceutical industry
- Suction and transport hose for abrasive solids and gases
- Suction of paper and textile fibers
- Transport of small particle dusts and powders
- Oil-spray extraction
- Transport hose for abrasive solids in fire risk areas
- Woodworking machines
- Exhaust equipment in woodworking industries
- Rear suction hoses on small machines, public utility cleansing and refuse collection vehicles
- Wet and dry process conveyance

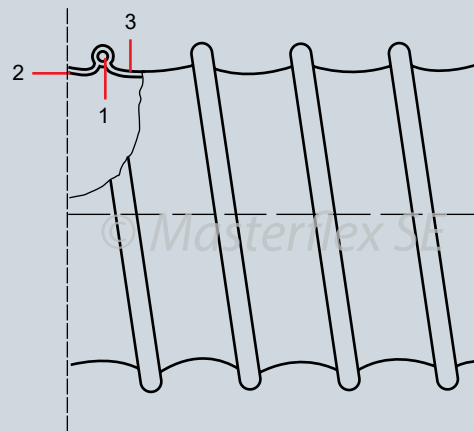
### Properties

- **Antistatic, surface resistance  $R_o < 10^9$  ohm**
- **Flame-resistant**
- **Hose wall (conforms to FDA food contact as described in book 21, section 177.2600 and 177.1680)**
- Reinforced by spring steel spiral
- Good flexibility
- Compressible down to 20%
- Small bend radius
- Super lightweight
- High tensile and burst strength
- Highly abrasion-resistant
- Kink-resistant
- Oil/petroleum-proof
- Gas-tight
- Halogen/plasticizer-free
- Good UV/ozone resistance
- Smooth inside, for optimum flow characteristics
- Good chemical resistance



### Construction

1. PU-coated spring steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .020"



### Temperature Range

- -22°F to +195°F
- Intermittent to +260°F

### Chem. Resistance

See resistance table



The PUR hose series combines the 3 most important features of a spiral hose into 1 product: antistatic + flame-resistant + food-grade.

A combination with unbeatable features!

-Dr. Les Spark

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Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
2.00	366	82	2.00	2.30	0.18563	301-050-401
2.40	305	76	2.72	2.72	0.22143	301-060-401
2.52	289	70	2.84	2.84	0.22814	301-063-401
2.60	273	64	2.92	2.92	0.24156	301-065-401
2.80	245	64	3.12	3.12	0.25498	301-070-401
3.00	245	52	3.32	3.32	0.33550	301-075-401
3.20	213	52	3.52	3.52	0.35563	301-080-401
3.50	185	38	3.96	3.96	0.39589	301-090-401
4.00	185	38	4.32	4.32	0.44286	301-100-401
4.40	153	38	4.76	4.76	0.48983	301-110-401
4.50	153	38	4.96	4.96	0.50996	301-115-401
4.80	153	38	5.16	5.16	0.53009	301-120-401
5.00	153	38	5.36	5.36	0.55693	301-125-401
5.20	121	38	5.56	5.56	0.57706	301-130-401
5.60	121	26	5.96	5.96	0.61732	301-140-401
6.00	121	26	6.36	6.36	0.66429	301-150-401
6.40	121	26	6.76	6.76	0.67100	301-160-401
6.80	92	26	7.16	7.16	0.71797	301-170-401
7.00	92	26	7.36	7.36	0.73810	301-175-401
7.20	92	26	7.56	7.56	0.75823	301-180-401
8.00	92	26	8.40	8.40	0.78507	301-200-401
9.00	60	12	9.40	9.40	0.80520	301-225-401
10.00	60	12	10.40	10.40	1.20109	301-250-401
11.00	60	12	11.40	11.40	1.32187	301-275-401
11.20	60	12	11.60	11.60	1.34871	301-280-401
12.00	56	11	12.40	12.40	1.44265	301-300-401
14.00	48	8	14.40	14.40	1.67750	301-350-401
16.00	40	5	16.40	16.40	1.91235	301-400-401

\*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" to 16"
- Color: transparent
- Standard lengths: 25'

## Available on Request

- Special wire colors
- Diameter: up to 24"
- Special lengths up to 75'
- Electrically conductive
- Stainless steel helix
- Special diameters metric

## Installation and connection possibilities



Master-Grip hose clamp, screwable



Hose clamp with worm-gear drive



Car-Grip hose clamp, screwable



Hose connector



Hose reducer, symmetrical

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