

# 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



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

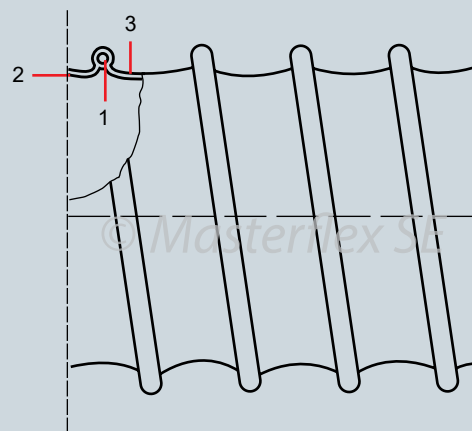
A combination with unbeatable features!

-Dr. Les Spark



### 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

# Master-PUR SL-F

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	0.25	301-050-401
2.40	305	76	2.72	2.72	0.27	301-060-401
2.52	289	70	2.84	2.84	0.29	301-063-401
2.60	273	64	2.92	2.92	0.29	301-065-401
2.80	245	64	3.12	3.12	0.35	301-070-401
3.00	245	52	3.32	3.32	0.47	301-075-401
3.20	213	52	3.52	3.52	0.49	301-080-401
3.50	185	38	3.96	3.96	0.56	301-090-401
4.00	185	38	4.32	4.32	0.62	301-100-401
4.40	153	38	4.76	4.76	0.69	301-110-401
4.50	153	38	4.96	4.96	0.72	301-115-401
4.80	153	38	5.16	5.16	0.75	301-120-401
5.00	153	38	5.36	5.36	0.77	301-125-401
5.20	121	38	5.56	5.56	0.80	301-130-401
5.60	121	26	5.96	5.96	0.86	301-140-401
6.00	121	26	6.36	6.36	0.93	301-150-401
6.40	121	26	6.76	6.76	0.99	301-160-401
6.80	92	26	7.16	7.16	1.20	301-170-401
7.00	92	26	7.36	7.36	1.23	301-175-401
7.20	92	26	7.56	7.56	1.26	301-180-401
8.00	92	26	8.40	8.40	1.40	301-200-401
9.00	60	12	9.40	9.40	1.58	301-225-401
10.00	60	12	10.40	10.40	1.86	301-250-401
11.00	54	11	11.40	11.40	1.75	301-275-401
12.00	50	10	12.40	12.40	1.91	301-300-401
14.00	43	7	14.40	14.40	2.21	301-350-401
16.00	36	5	16.40	16.40	2.54	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

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