

# SUCTION AND TRANSPORT HOSE LIGHT/MEDIUM WEIGHT

## Master-PUR Performance

### Material

Hose wall: pure polyether polyurethane

Spiral: spring steel wire

### Applications

- Transport hose for sand, gravel, grain, granules
- Transport hose for handling and conveying plants
- Everywhere easy-to-clean surfaces are needed
- Suction and transport hose for extremely abrasive solid, liquid and gaseous media
- Transport hose for feeding and cleaning of glass works, mineral processing plants, steelworks, quarries, shipyards and docks, cement works, flat roof graveling
- Other conveyor and loading plants

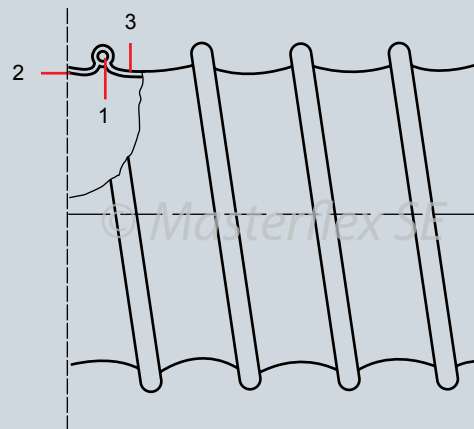
### Properties

- Antistatic, surface resistance  $R_{\text{0}} < 10^9$  ohm
- acc. to TRBS 2153 (Zone 0, 20) for flammable liquids/dusts for dissipation of electrostatic charges with grounding on both ends of the helix
- Complies with ATEX 95 Directive 94/9/EC
- Extremely abrasion-resistant, super-strong PU lining
- Flexible
- High tensile strength
- Excellent vacuum-resistance and good pressure-resistance
- Oil/petroleum-proof
- Halogen/plasticizer-free
- Good UV/ozone resistance
- Good chemical resistance
- Smooth inside, for optimum flow characteristics



### Construction

1. Spring steel spiral
2. Hose wall: pure polyurethane
3. Wall thickness between spirals 2.5 mm



### Temperature Range

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

### Chem. Resistance

See resistance table



### Master-PUR Performance

A world first among PU spiral hoses with a perfectly smooth inner lining.

Totally smooth. Totally abrasion-resistant.

Totally flexible. Totally unique!

-Dr. Les Spark

# Master-PUR Performance

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending Radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
1.50	1748	377	5.11	1.96	.53	123-038-101
1.60	1707	377	5.31	2.04	.53	123-040-101
1.80	1655	377	6.10	2.24	.67	123-045-101
2.00	1607	377	6.69	2.59	.78	123-051-101
2.20	1527	377	6.88	2.83	.87	123-055-101
2.40	1486	377	7.28	3.03	1.00	123-060-101
2.60	1406	377	7.48	3.22	1.07	123-065-101
3.00	1265	377	9.84	3.66	1.28	123-076-101
3.20	1165	377	10.62	3.81	1.41	123-080-101
3.50	1085	377	11.22	4.21	1.61	123-090-101
4.00	1004	377	11.81	4.68	1.75	123-102-101
4.52	924	377	12.79	5.19	2.02	123-115-101
5.00	803	377	13.77	5.66	2.22	123-127-101
6.00	602	377	15.74	6.65	2.49	123-152-101

## Standard Production

- Diameter: 1.50" to 6"
- Color: transparent
- Standard lengths: 33'

## Available on Request

- Special diameters metric

\*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.

## 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



Combiflex metal male threaded socket



Combiflex PU fixed-flange, Inline



Combiflex PU Threaded Socked, pre-fixed



Combiflex PU Swivel Flange for Master-PUR Inline

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