

# SUCTION AND TRANSPORT HOSE PHARMACEUTICAL AND FOOD GRADE

## Master-PUR L-F-SS

### Material

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

Spiral: PU-coated 316 stainless steel wire

### Applications

- Food industry
- Pharmaceutical industry
- Suction and transport hose for abrasive materials and gaseous media
- Clean room applications
- Transport of small particled dusts and powders
- Wet and dry process conveyance
- Stainless steel requirements

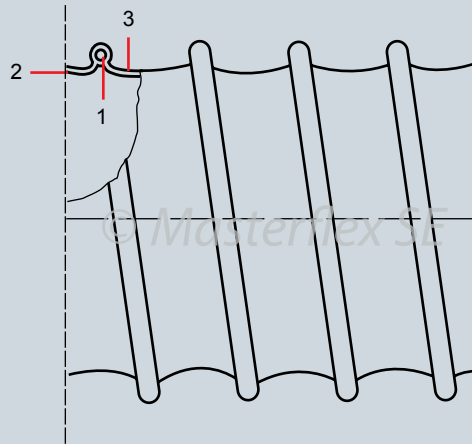
### Properties

- Antistatic, surface resistance  $R_{\text{0}} < 10^9 \text{ ohm}$
- Flame-resistant
- Hose wall (conforms to FDA food contact as described in book 21, section 177.2600 and 177.1680)
- Highly abrasion-resistant
- Gas-tight
- Good chemical resistance
- Halogen/plasticizer-free
- Very flexible
- Lightweight
- Improved pressure and vacuum characteristics
- High tensile and burst strength
- Smooth inside, for optimum flow characteristics
- Washable
- Adhesive-free



### Construction

1. PU-coated 316 stainless steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .0275"



### 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
1.52	830	265	2.32	1.82	0.23485	302-038-588
2.00	675	210	2.72	2.32	0.30866	302-050-588
2.40	563	180	2.92	2.72	0.32879	302-060-588
2.60	506	150	3.12	2.92	0.35563	302-065-588
2.80	450	150	3.12	3.12	0.35563	302-070-588
3.00	450	150	3.36	3.36	0.39589	302-075-588
3.20	450	120	3.52	3.52	0.42273	302-080-588
3.60	394	120	3.96	3.96	0.46970	302-090-588
4.00	338	90	4.40	4.40	0.52338	302-100-588
4.40	338	90	4.76	4.76	0.57035	302-110-588
4.60	281	90	4.96	4.96	0.59719	302-115-588
4.80	281	90	5.16	5.16	0.62403	302-120-588
5.00	281	90	5.40	5.40	0.65087	302-125-588
5.20	225	90	5.56	5.56	0.67100	302-130-588
5.60	225	60	5.96	5.96	0.83204	302-140-588
6.00	225	60	6.44	6.44	0.88572	302-150-588
6.40	225	60	6.80	6.80	0.98637	302-160-588
6.80	169	60	7.20	7.20	0.99979	302-170-588
7.00	169	60	7.40	7.40	1.03334	302-175-588
7.20	169	60	7.60	7.60	1.06018	302-180-588
8.00	169	60	8.56	8.56	1.09373	302-200-588
9.00	113	30	9.40	9.40	1.22793	302-225-588
10.00	113	30	10.40	10.40	1.36213	302-250-588
11.00	113	30	11.36	11.40	1.49633	302-275-588
12.00	100	27	12.40	12.40	1.63053	302-300-588
12.60	100	27	13.00	13.00	1.71105	302-315-588
13.00	100	27	13.40	13.40	1.76473	302-325-588
14.00	52	27	14.40	14.40	1.89893	302-350-588
16.00	52	21	16.40	16.40	2.16733	302-400-588

\*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: 1.52" to 16"
- Color: transparent
- Standard lengths: 25'

## Available on Request

- Special lengths up to 50'
- 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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