

# SUCTION AND TRANSPORT HOSE PHARMACEUTICAL AND FOOD GRADE

## Master-PUR H-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 abrasive dry food and powders
- Wet and dry process conveyance
- Stainless steel requirements

### 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)
- Highly abrasion-resistant
- Gas-tight
- Good chemical resistance
- Halogen/plasticizer-free
- Good flexibility
- Heavyweight
- Improved pressure and vacuum characteristics
- High tensile and burst strength
- Smooth inside, for optimum flow characteristics
- Washable
- Adhesive-free



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

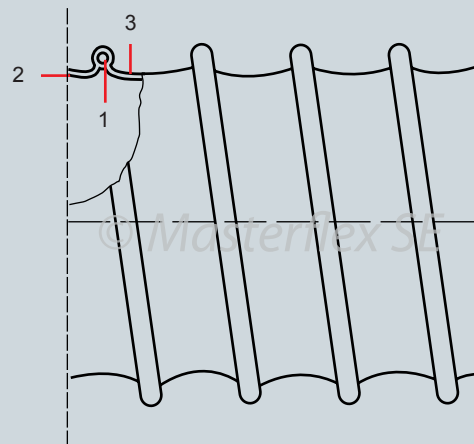
A combination with unbeatable features!

-Dr. Les Spark



### Construction

1. PU-coated 316 stainless steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .055"



### Temperature Range

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

### Chem. Resistance

See resistance table

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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	1,266	340	3.48	1.82	0.36578	303-038-588
2.00	1,166	320	4.08	2.44	0.37578	303-050-588
2.40	1,025	300	4.48	2.80	0.44286	303-060-588
2.60	965	270	4.68	3.00	0.48312	303-065-588
2.80	904	270	5.04	3.20	0.51667	303-070-588
3.00	904	240	5.04	3.48	0.55022	303-075-588
3.20	804	240	5.28	3.64	0.58377	303-080-588
3.60	663	210	5.96	4.04	0.65087	303-090-588
4.00	603	180	6.60	4.48	0.72468	303-100-588
4.40	543	180	7.16	4.84	0.79178	303-110-588
4.60	543	125	7.44	5.04	0.82533	303-115-588
4.80	522	125	7.76	5.24	0.86559	303-120-588
5.00	522	125	8.12	5.52	0.89914	303-125-588
5.20	522	125	8.36	5.64	0.93269	303-130-588
5.60	422	125	8.96	6.04	1.04676	303-140-588
6.00	422	125	9.68	6.52	1.11386	303-150-588
6.40	362	100	10.20	6.84	1.18767	303-160-588
6.80	362	100	10.80	7.24	1.26148	303-170-588
7.00	362	100	11.12	7.44	1.29503	303-175-588
7.20	301	75	11.40	7.64	1.91906	303-180-588
8.00	301	75	12.84	8.60	1.91906	303-200-588
9.00	241	50	14.12	9.48	2.15391	303-225-588
10.00	241	50	15.60	10.52	2.38876	303-250-588
11.00	181	50	17.04	11.52	2.62361	303-275-588
12.00	181	50	18.60	12.52	2.85846	303-300-588
12.60	181	50	19.52	13.12	2.99937	303-315-588
13.00	181	50	20.12	13.52	3.09331	303-325-588
14.00	181	50	21.60	14.52	3.32816	303-350-588
16.00	181	27	24.60	16.52	3.79786	303-400-588

\*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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