

SUCTION AND TRANSPORT HOSE LIGHT/MEDIUM WEIGHT

Total Air/Energy
SOLUTIONS
Technology • Efficiency • Performance



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Master-PUR L-F

New Sizes: 18", 20", 24"

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
- Protection hose against mechanical pressure
- Transport hose for abrasive solids in fire risk areas
- Woodworking machines
- Exhaust equipment in wood-working 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
- Small bend radius
- 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



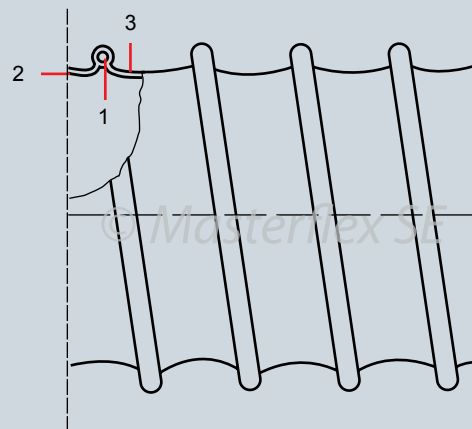
The PUR hose series combines the 3 most important features of a spiral hose into 1 product: antistatic + flame-resistant + food-grade.

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 .0275"



Temperature Range

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

Chem. Resistance

See resistance table

MASTERDUCT
Connecting Values

Master-PUR L-F

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	302-038-401
2.00	675	210	2.72	2.32	0.30866	302-050-401
2.40	563	180	2.92	2.72	0.32879	302-060-401
2.60	506	150	3.12	2.92	0.35563	302-065-401
2.80	450	150	3.12	3.12	0.35563	302-070-401
3.00	450	150	3.36	3.36	0.39589	302-075-401
3.20	450	120	3.52	3.52	0.42273	302-080-401
3.60	394	120	3.96	3.96	0.46970	302-090-401
4.00	338	90	4.40	4.40	0.52338	302-100-401
4.40	338	90	4.76	4.76	0.57035	302-110-401
4.60	281	90	4.96	4.96	0.59719	302-115-401
4.80	281	90	5.16	5.16	0.62403	302-120-401
5.00	281	90	5.40	5.40	0.65087	302-125-401
5.20	225	90	5.56	5.56	0.67100	302-130-401
5.60	225	60	5.96	5.96	0.83204	302-140-401
6.00	225	60	6.44	6.44	0.88572	302-150-401
6.40	225	60	6.80	6.80	0.98637	302-160-401
6.80	169	60	7.20	7.20	0.99979	302-170-401
7.00	169	60	7.40	7.40	1.03334	302-175-401
7.20	169	60	7.60	7.60	1.06018	302-180-401
8.00	169	60	8.56	8.56	1.09373	302-200-401
9.00	113	30	9.40	9.40	1.22793	302-225-401
10.00	113	30	10.40	10.40	1.36213	302-250-401
11.00	113	30	11.36	11.40	1.49633	302-275-401
12.00	100	27	12.40	12.40	1.63053	302-300-401
12.60	100	27	13.00	13.00	1.71105	302-315-401
13.00	100	27	13.40	13.40	1.76473	302-325-401
14.00	52	27	14.40	14.40	1.89893	302-350-401
16.00	52	21	16.40	16.40	2.16733	302-400-401

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

Available on Request

- Special wire colors
- Diameter: up to 24"
- 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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