

SUCTION AND TRANSPORT HOSE LIGHT/MEDIUM WEIGHT

Master-PUR L-X

Material

Hose wall: 100% pure polyester polyurethane,
highly abrasion-resistant
Spiral: 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 $R_0 < 10^9$ ohm
- Flame-resistant
- Hose wall (conforms to FDA food contact as described in book 21, section 177.2600 and 177.1680)
- New extruded construction for smoother hose wall and optimum flow
- Reinforced by spring steel spiral
- Excellent 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
- Good chemical resistance



Construction

1. 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



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

Total Air/Energy
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MASTERDUCT
Connecting Values

Master-PUR L-X

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending Radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
1.25	1012	285	1.57	1.57	0.24	802-032-401
1.52	843	265	1.81	1.81	0.26	802-038-401
1.60	843	265	1.88	1.88	0.27	802-040-401
2.00	675	208	2.28	2.28	0.32	802-051-401
2.40	562	176	2.67	2.67	0.36	802-060-401
2.50	506	149	2.87	2.87	0.43	802-063-401
2.80	450	149	3.07	3.07	0.46	802-070-401
3.00	450	116	3.30	3.30	0.48	802-076-401
3.20	393	116	3.46	3.46	0.51	802-080-401
4.00	337	88	4.33	4.33	0.64	802-102-401
5.00	281	88	5.31	5.31	0.79	802-127-401
5.60	225	60	5.86	5.86	0.93	802-142-401
6.00	225	60	6.33	6.33	1.17	802-152-401
6.40	225	60	6.69	6.69	1.21	802-160-401
7.00	168	60	7.48	7.48	1.28	802-178-401
8.00	168	60	8.42	8.42	1.55	802-203-401
10.00	112	28	10.39	10.39	2.03	802-254-401

*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: 1.25" to 10"
- Color: transparent
- Standard lengths: 25'

Available on Request

- Special lengths up to 75'
- Custom/metric diameters
- Master-PUR L-X-SS
- Master-PUR L-X-EC
- Minimum order quantities required

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