

SUCTION AND TRANSPORT HOSE - LIGHTWEIGHT



1.4.2

MASTER-PUR L-EC

Material

hose wall: electrically conductive polyurethane
spiral: PU-coated spring steel wire

Applications

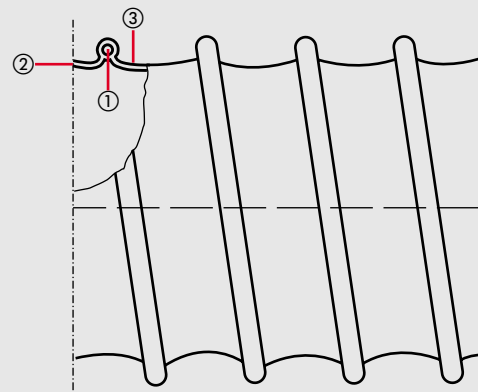
- dangerous areas, where electrical conductivity is demanded
- special hose for industrial vacuum cleaners
- suction and transport of paper fibers and wood chips
- transport of granules
- suction and transport of abrasive materials, gaseous and liquid media
- extraction of coarse-grained particles with high flow volume
- oil-spray extraction
- protection hose against mechanical damage

Properties

- **surface resistance**
 $R_O \leq 10^4 \text{ Ohm}$
- electrically conductive
- abrasion-resistant
- very flexible, lightweight
- small bend radius
- resistant to oil and fuels, gastight
- free of plastisizers and halogens
- good chemical resistance
- UV- and ozone-resistant
- improved pressure and vacuum characteristics
- high tensile and burst strength
- optimum flow characteristics

Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .0275"



Temperature Range

- -40 °F up to +195°F
- intermittent to +260°F

Chem. Resistance

see resistance table section no. 15

Technical Data, custom designs and forms of delivery see back page



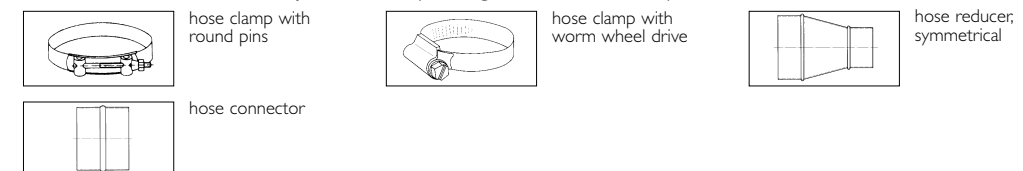
MASTER-PUR L-EC

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.0	675	210	2.32	2.32	0.23485	342-050-207
2.4	563	180	2.72	2.72	0.30866	342-060-207
2.6	506	150	2.92	2.92	0.32879	342-065-207
2.8	450	150	3.12	3.12	0.35563	342-070-207
3.0	450	120	3.36	3.36	0.39589	342-075-207
3.2	394	120	3.52	3.52	0.42273	342-080-207
3.6	338	90	3.96	3.96	0.46970	342-090-207
4.0	338	90	4.40	4.40	0.52338	342-100-207
4.4	281	90	4.76	4.76	0.57035	342-110-207
4.6	281	90	4.96	4.96	0.59719	342-115-207
4.8	281	90	5.16	5.16	0.62403	342-120-207
5.0	281	90	5.40	5.40	0.65087	342-125-207
5.2	225	90	5.56	5.56	0.67100	342-130-207
5.6	225	60	5.96	5.96	0.83204	342-140-207
6.0	225	60	6.44	6.44	0.88572	342-150-207
6.4	225	60	6.80	6.80	0.98637	342-160-207
6.8	169	60	7.20	7.20	0.99979	342-170-207
7.0	169	60	7.40	7.40	1.03334	342-175-207
7.2	169	60	7.60	7.60	1.06018	342-180-207
8.0	169	60	8.56	8.56	1.09373	342-200-207
9.0	113	30	9.40	9.40	1.22793	342-225-207
10.0	113	30	10.40	10.40	1.36213	342-250-207
11.0	113	30	11.36	11.36	1.49633	342-275-207
11.2	113	30	11.60	11.60	1.52317	342-280-207
12.0	100	27	12.40	12.40	1.63053	342-300-207
12.6	100	27	13.00	13.00	1.71105	342-315-207
13.0	100	27	13.40	13.40	1.76473	342-325-207
14.0	52	27	14.40	14.40	1.89893	342-350-207
16.0	52	21	16.40	16.40	2.16733	342-400-207

* 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 (see register no. 11 and 12):



Delivery forms:

- Standard production:
- Dia. 2" - 16"
 - Color black
 - Standard lengths 25'
- Available on request:
- with overprint
 - special colors
 - special lengths