

FILM HOSE - LIGHTWEIGHT, VERY FLEXIBLE AND COMPRESSIBLE



1.4.1

MASTER-PUR SL-EC

Material

hose wall: electrically conductive polyurethane

spiral: PU-coated spring steel wire

Applications

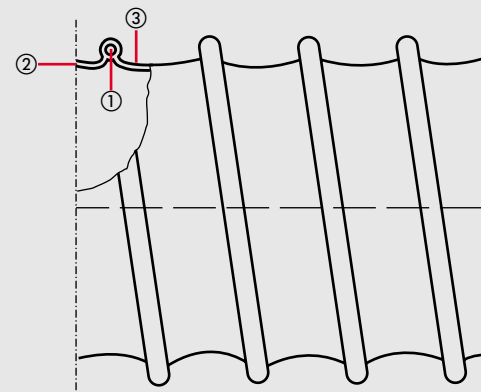
- dangerous areas, where electrical conductivity is demanded
- special hose for industrial vacuum cleaners
- suction and transport of paper fibers and wood chips
- transport of granules
- suction and transport of abrasive materials, gaseous and liquid media
- extraction of coarse-grained particles with 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 plastizers 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 .02"



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



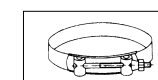
MASTER-PUR SL-EC

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.40	305	76	1.40	2.72	0.22143	341-060-207
2.52	289	70	1.48	2.84	0.22814	341-063-207
2.60	273	64	1.52	2.92	0.24156	341-065-207
2.80	245	64	1.60	3.12	0.25498	341-070-207
3.00	245	52	1.72	3.32	0.33550	341-075-207
3.20	213	52	1.80	3.52	0.35563	341-080-207
3.60	185	38	2.00	3.96	0.39589	341-090-207
4.00	185	38	2.20	4.32	0.44286	341-100-207
4.40	153	38	2.40	4.76	0.48983	341-110-207
4.60	153	38	2.52	4.96	0.50996	341-115-207
4.80	153	38	2.60	5.16	0.53009	341-120-207
5.00	153	38	2.72	5.36	0.55693	341-125-207
5.20	121	38	2.80	5.56	0.57706	341-130-207
5.60	121	26	3.00	5.96	0.61732	341-140-207
6.00	121	26	3.20	6.36	0.66429	341-150-207
6.40	121	26	3.40	6.76	0.67100	341-160-207
6.80	92	26	3.60	7.16	0.71797	341-170-207
7.00	92	26	3.72	7.36	0.73810	341-175-207
7.20	92	26	3.80	7.56	0.75823	341-180-207
8.00	92	26	4.20	8.40	0.78507	341-200-207
9.00	60	12	4.72	9.40	0.80520	341-225-207
10.00	60	12	5.20	10.40	1.20109	341-250-207
11.00	60	12	5.72	11.40	1.32187	341-275-207
11.20	60	12	5.80	11.60	1.34871	341-280-207
12.00	56	11	6.20	12.40	1.44265	341-325-207
14.00	48	8	7.20	14.40	1.67750	341-350-207
16.00	40	5	8.20	16.40	1.91235	341-400-207

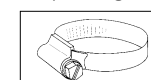
* Referring to the inner side of the elbow of hose.

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.

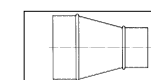
Installation and connection possibilities (see register no. 11 and 12):



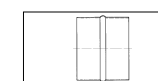
hose clamp with round pins



hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector