

SUCTION AND TRANSPORT HOSE - MEDIUMWEIGHT



1.4.3

MASTER-PUR H-EC

Material

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

Properties

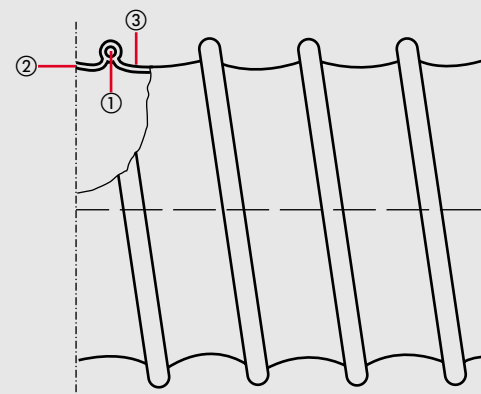
- **surface resistance**
 $R_O \leq 10^4 \text{ Ohm}$
- electrically conductive
- abrasion-resistant
- very flexible, lightweight
- small bend radius
- resistant to oil and fuels, gastight
- free of plastizisers and halogens
- good chemical resistance
- UV- and ozone-resistant
- improved pressure and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

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

Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .055"



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



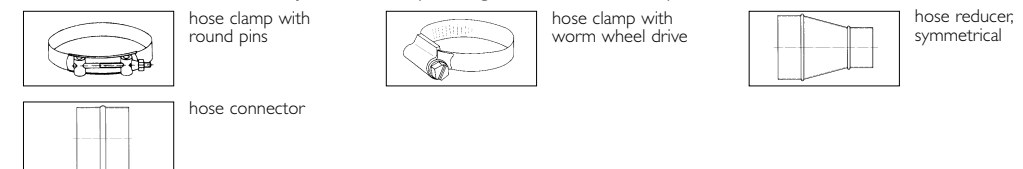
MASTER-PUR H-EC

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.0	1,166	320	3.48	2.44	0.37576	343-050-207
2.4	1,025	300	4.08	2.80	0.44286	343-060-207
2.6	965	270	4.48	3.00	0.48312	343-065-207
2.8	904	270	4.68	3.20	0.51667	343-070-207
3.0	804	240	5.04	3.48	0.55022	343-075-207
3.2	804	240	5.28	3.64	0.58377	343-080-207
3.6	663	210	5.96	4.04	0.65087	343-090-207
4.0	603	180	6.60	4.48	0.72468	343-100-207
4.4	543	180	7.16	4.84	0.79178	343-110-207
4.6	543	125	7.44	5.04	0.82533	343-115-207
4.8	522	125	7.76	5.24	0.86559	343-120-207
5.0	522	125	8.12	5.52	0.89914	343-125-207
5.2	522	125	8.36	5.64	0.93269	343-130-207
5.6	422	100	8.96	6.04	1.04676	343-140-207
6.0	422	100	9.68	6.52	1.11386	343-150-207
6.4	362	100	10.20	6.84	1.18767	343-160-207
6.8	362	75	10.80	7.24	1.26148	343-170-207
7.0	362	75	11.12	7.44	1.29503	343-175-207
7.2	301	75	11.40	7.64	1.33529	343-180-207
8.0	301	75	12.84	8.60	1.91906	343-200-207
9.0	241	50	14.12	9.48	2.15391	343-225-207
10.0	241	50	15.60	10.52	2.38876	343-250-207
11.0	181	50	17.04	11.52	2.62361	343-275-207
11.2	181	50	17.40	11.72	2.67058	343-280-207
12.0	181	50	18.60	12.52	2.85846	343-300-207
12.6	181	50	19.52	13.12	2.99937	343-315-207
13.0	181	50	20.12	13.52	3.09331	343-325-207
14.0	181	50	21.60	14.52	3.32816	343-350-207
16.0	121	27	24.60	16.52	3.79786	343-400-207

* 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