

# SUCTION AND TRANSPORT HOSE HEAVYWEIGHT

## Master-PUR H-X-EC

### Material

Hose wall: electrically conductive polyurethane

Spiral: 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 and gaseous media
- Extraction of coarse-grained particles with high flow volume
- Oil-spray extraction
- Protection hose against mechanical damage

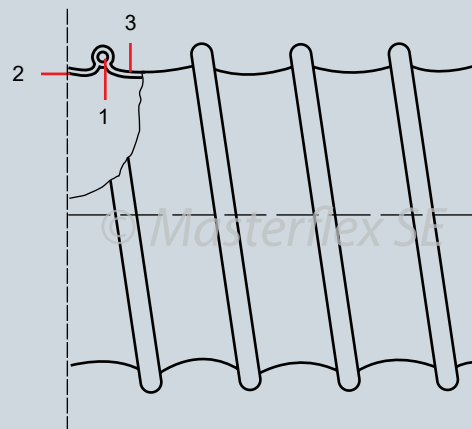
### Properties

- Surface resistance  $R_0 \leq 10^4$  Ohm
- **acc. to TRBS 2153 (Zone 0, 20) for flammable liquids/  
dusts for dissipation of electrostatic charges with  
grounding on both ends of the helix**
- **Electrically conductive**
- Highly abrasion-resistant
- Good flexibility
- Good bend radius
- Heavyweight
- Oil/petroleum-proof
- Gas-tight
- Halogen/plasticizer-free
- Good chemical resistance
- Good UV/ozone resistance
- Improved pressure and vacuum characteristics
- High tensile and burst strength
- Optimum flow characteristics



### Construction

1. Spring steel spiral
2. Hose wall: polyester polyurethane
3. Wall thickness between spirals .055"



### Temperature Range

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

### Chem. Resistance

See resistance table

# Master-PUR H-X-EC

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending Radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
2.00	1164	317	3.43	2.40	0.48	843-051-207
2.40	1024	397	4.02	2.75	0.56	843-060-207
2.50	964	265	4.41	2.95	0.61	843-063-207
2.80	903	265	4.61	3.15	0.65	843-070-207
3.00	803	237	4.96	3.42	0.71	843-076-207
3.20	803	237	5.20	3.58	0.75	843-080-207
4.00	602	177	6.50	4.40	0.99	843-102-207
5.00	522	124	8.07	5.43	1.28	843-127-207
5.60	422	100	8.82	5.94	1.42	843-142-207
6.00	422	100	9.53	6.41	1.54	843-152-207
6.40	361	100	10.04	6.73	1.69	843-160-207
7.00	301	72	11.22	7.51	1.90	843-178-207
8.00	301	72	12.64	8.46	2.35	843-203-207

\*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.

## Standard Production

- Diameter: 1.25" to 8"
- Color: black
- Standard lengths: 25'

## Available on Request

- Special lengths up to 50'
- Minimum order quantities required

## Installation and connection possibilities



Bolt Clamp



Hose clamp with worm-gear drive



Hose connector



Hose reducer, symmetrical

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 Connecting Values