

# SUCTION AND TRANSPORT HOSE HEAVYWEIGHT

## Master-PUR H-F-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  $R_0 \leq 10^4$  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



⚡ The Master PUR-EC hose series: These specialty Polyurethane hoses can handle the most electrically conductive application in the market place.

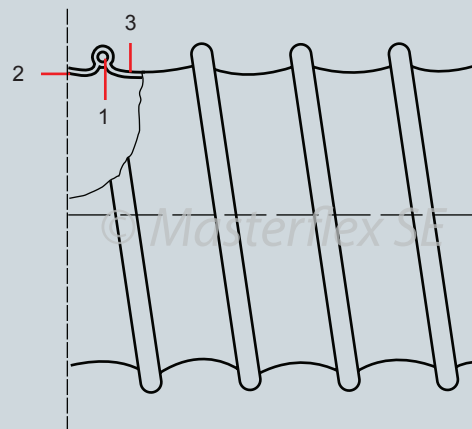
MASTERDUCT - WORLD  
LEADER IN ANTISTATIC HOSE  
PRODUCTS

-Dr. Les Spark



### Construction

1. PU-coated 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-F-EC

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product Code
1.52	1,266	340	3.48	1.84	0.36578	343-038-207
2.00	1,166	320	3.48	2.44	0.37576	343-050-207
2.40	1,025	300	4.08	2.80	0.44286	343-060-207
2.60	965	270	4.48	3.00	0.48312	343-065-207
2.80	904	270	4.68	3.20	0.51667	343-070-207
3.00	804	240	5.04	3.48	0.55022	343-075-207
3.20	804	240	5.28	3.64	0.58377	343-080-207
3.60	663	210	5.96	4.04	0.65087	343-090-207
4.00	603	180	6.60	4.48	0.72468	343-100-207
4.40	543	180	7.16	4.84	0.79178	343-110-207
4.60	543	125	7.44	5.04	0.82533	343-115-207
4.80	522	125	7.76	5.24	0.86559	343-120-207
5.00	522	125	8.12	5.52	0.89914	343-125-207
5.20	522	125	8.36	5.64	0.93269	343-130-207
5.60	422	100	8.96	6.04	1.04676	343-140-207
6.00	422	100	9.68	6.52	1.11386	343-150-207
6.40	362	100	10.20	6.84	1.18767	343-160-207
6.80	362	75	10.80	7.24	1.26148	343-170-207
7.00	362	75	11.12	7.44	1.29503	343-175-207
7.20	301	75	11.40	7.64	1.33529	343-180-207
8.00	301	75	12.84	8.60	1.91906	343-200-207
9.00	241	50	14.12	9.48	2.15391	343-225-207
10.00	241	50	15.60	10.52	2.38876	343-250-207
11.00	181	50	17.04	11.52	2.62361	343-275-207
11.20	181	50	17.40	11.72	2.67058	343-280-207
12.00	181	50	18.60	12.52	2.85846	343-300-207
12.60	181	50	19.52	13.12	2.99937	343-315-207
13.00	181	50	20.12	13.52	3.09331	343-325-207
14.00	181	50	21.60	14.52	3.32816	343-350-207
16.00	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.

## Standard Production

- Diameter: 1.52" to 16"
- Color: black
- Standard lengths: 25'

## Available on Request

- Special lengths up to 50'
- Special diameters metric

## 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

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