

# SUCTION AND TRANSPORT HOSE - HEAVY WEIGHT



## MASTER-PUR H-EC

### Material

**hose wall:** electrically conductive polyurethane

**spiral:** PU-coated spring steel wire

### Applications

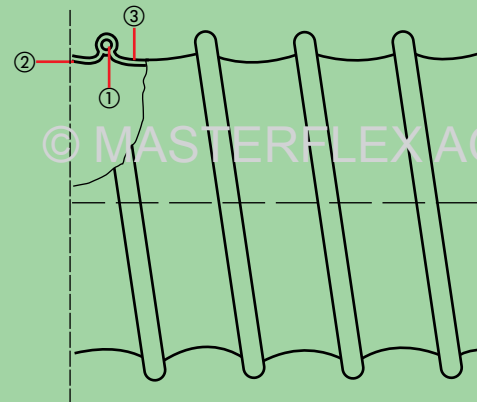
- dangerous areas, where electrical conductivity is demanded
- special hose for industrial vacuum cleaners
- suction and transport of paper fibers and wood chips
- transport of granules
- suction and transport of abrasive materials, gaseous and liquid media
- extraction of coarse-grained particles with 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 .055"



### Temperature Range

- -22°F up to +195°F
- intermittent to +260°F

### Chem. Resistance

see resistance table

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



**Masterduct**  
Member of the Masterflex-Group

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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	1.824	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

## Delivery forms:

### Standard production:

- Dia. 1.52" - 16"
- Color: black
- Standard lengths 25'

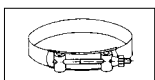
### Available on request:

- special lengths up to 50'
- special diameters - metric

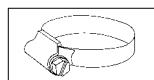
\* Referring to the inner side of the elbow of hose.

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.

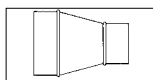
## Installation and connection possibilities:



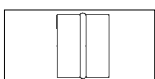
hose clamp with round pins



hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector