

# SUCTION AND TRANSPORT HOSE - HEAVY WEIGHT



## MASTER-PUR H-FG

### Material

**hose wall:** 100 % pure polyester polyurethane. 30% more abrasion-resistant than polyether polyurethane

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

### Applications

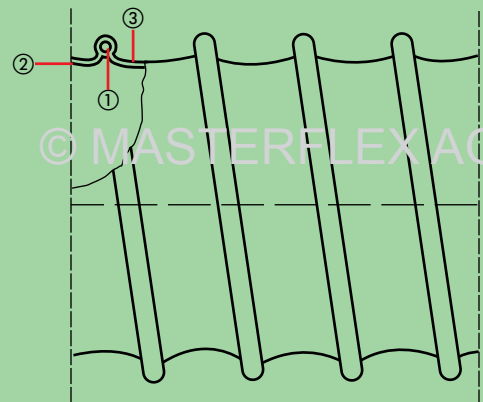
- suction and transport hose for abrasive materials
- gaseous and liquid media
- transport of small particledusts and powders
- wet and dry process conveyance
- pharmaceutical industry
- food industry

### Properties

- excellent abrasion-resistant
- resistant to oil and fuels
- gas-tight
- good chemical resistance
- free of plastizisers and halogens
- very flexible; light weight
- small bend radius
- improved pressure and vacuum characteristics
- high tensile and burst strength
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral
- hose wall (conform to FDA food contact as described in book 21, section 177.2600 and 177.1680)

### 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
1.50	1,266	340	3.48	1.84	0.36578	313-038-501
2.00	1,166	320	3.48	2.44	0.37576	313-050-501
2.50	965	270	4.48	3.00	0.48312	313-063-501
3.00	804	240	5.04	3.48	0.55022	313-075-501
3.50	663	210	5.96	4.04	0.65087	313-090-501
4.00	603	180	6.60	4.84	0.72468	313-100-501
4.50	543	125	7.44	5.04	0.82533	313-115-501
5.00	522	125	8.12	5.52	0.89914	313-125-501
5.50	422	100	8.96	6.04	1.04676	313-140-501
6.00	422	100	9.68	6.52	1.11386	313-150-501
6.40	362	100	10.20	6.84	1.18767	313-160-501
7.00	362	75	11.12	7.44	1.29503	313-175-501
8.00	301	75	12.84	8.60	1.91906	313-200-501
9.00	241	50	14.12	9.48	2.15391	313-225-501
10.00	241	50	15.60	10.52	2.38876	313-250-501
11.00	181	50	17.04	11.52	2.62361	313-275-501
11.20	181	50	17.40	11.72	2.67058	313-280-501
12.00	181	50	18.60	12.52	2.85846	313-300-501
14.00	181	50	21.60	14.52	3.32816	313-350-501
16.00	121	27	24.60	16.52	3.79786	313-400-501

## Delivery forms:

### Standard production:

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

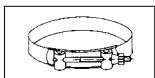
### Available on request:

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

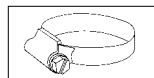
\* Referring to the inner side of the elbow of hose.

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.

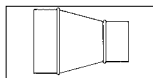
## Installation and connection possibilities:



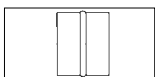
hose clamp with round pins



hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector