

MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +570°F



MASTER-CLIP SILICONE H

Material

hose wall: silicone-coated glass fabric

external helix: galvanized steel

Applications

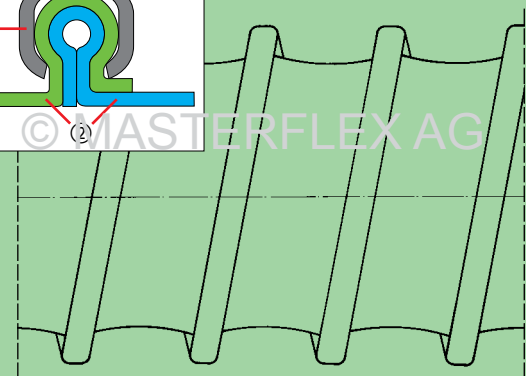
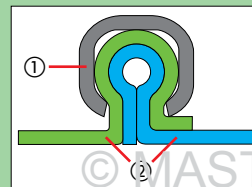
- hot air
- extraction equipment
- vehicle construction
- engine construction
- aircraft industries
- defense industries
- general engineering
- higher vacuum applications

Properties

- very high temperature resistance
- flame resistant
- highly flexible
- extreme compressibility 1:6
- small bend radius
- vibration resistant
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix
- to maximize life of duct and exhaust system effectiveness, it is recommended to utilize a negative pressure exhaust system and introduce ambient air at the inlet

Construction

- ① external helix
- ② hose wall: silicone-coated glass fabric



Temperature Range

- -75°F up to +570°F
- intermittent to +625°F
- When used in exhaust gas systems, gas funnels should be used properly and enough fresh air should be utilized.

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.)	Weight (lbs./ft.)	Product code
3.00	189	62	1.80	0.6978	233-075-116
3.50	143	44	2.16	0.7783	233-090-116
4.00	121	35	2.40	0.7783	233-100-116
4.50	104	29	2.64	0.8756	233-115-116
5.00	84	20	3.00	0.9729	233-125-116
5.50	70	18	3.36	1.0700	233-140-116
6.00	63	16	3.06	1.2950	233-150-116
6.40	56	14	3.84	1.2648	233-160-116
7.00	49	12	4.20	1.3084	233-175-116
8.00	40	9	4.80	1.5996	233-200-116
9.00	33	7	6.32	1.9750	233-225-116
10.00	28	6	7.00	2.3672	233-250-116
11.00	24	5	7.72	2.5642	233-275-116
12.00	21	4	8.40	2.7618	233-300-116
13.00	18	3	9.12	3.5509	233-325-116
14.00	16	3	9.80	3.8468	233-350-116
15.00	14	3	10.52	4.4386	233-375-116
16.00	13	2	11.20	5.0304	233-400-116
18.00	11	2	14.40	5.7209	233-450-116
20.00	9	1	16.00	6.3127	233-500-116
22.00	8	1	17.60	7.3977	233-550-116
24.00	7	1	19.20	8.4827	233-600-116
28.00	6	1	22.40	9.6670	233-700-116
32.00	4	1	25.60	10.8750	233-800-116
36.00	4	1	28.80	12.2650	233-900-116

Delivery forms:

Standard production:

- Dia. 3" - 36"
- Color: silver gray
- Production lengths 25'

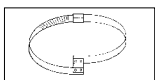
Available on request:

- special colors
- special lengths
- custom design with other pitches and helix sizes
- external helix also in stainless steel
- special diameters - metric

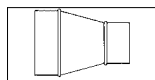
* Referring to the inner side of the elbow of hose.

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.

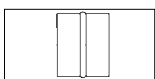
Installation and connection possibilities:



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector