

SUCTION AND TRANSPORT HOSE - PHARMACEUTICAL AND FOOD GRADE



MASTER-PUR H-FG-SS

Material

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

spiral: PU-coated 316 stainless steel wire

Applications

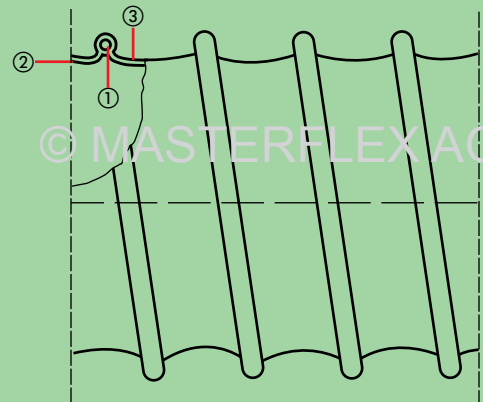
- Food industry
- Pharmaceutical Industry
- suction and transport hose for abrasive materials
- clean room applications
- gaseous and liquid media
- transport of small particled dusts and powders
- wet and dry process conveyance
- stainless steel requirements

Properties

- excellent abrasion resistant
- gas tight
- good chemical resistance
- free of plastizisers and halogens
- very flexible; light weight
- 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)
- washable

Construction

- ① PU-coated 316 stainless 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

MASTER-PUR H-FG-SS

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
1.52	1266	340	3.48	1.82	0.36578	313-038-588
2.00	1166	320	4.08	2.44	0.37578	313-050-588
2.40	1025	300	4.48	2.80	0.44286	313-060-588
2.60	965	270	4.68	3.00	0.48312	313-065-588
2.80	904	270	5.04	3.20	0.51667	313-075-588
3.00	904	240	5.04	3.48	0.55022	313-075-588
3.20	804	240	5.28	3.64	0.58377	313-080-588
3.60	663	210	5.96	4.04	0.65087	313-090-588
4.00	603	180	6.60	4.48	0.72468	313-100-588
4.40	543	180	7.16	4.84	0.79178	313-110-588
4.60	543	125	7.44	5.04	0.82533	313-115-588
4.80	522	125	7.76	5.24	0.86559	313-120-588
5.00	522	125	8.12	5.52	0.89914	313-125-588
5.20	522	125	8.36	5.64	0.93269	313-130-588
5.60	422	125	8.96	6.04	1.04676	313-140-588
6.00	422	125	9.68	6.52	1.11386	313-150-588
6.40	362	100	10.20	6.84	1.18767	313-160-588
6.80	362	100	10.80	7.24	1.26148	313-170-588
7.00	362	100	11.12	7.44	1.29503	313-175-588
7.20	301	75	11.40	7.64	1.91906	313-180-588
8.00	301	75	12.84	8.60	1.91906	313-200-588
9.00	241	50	14.12	9.48	2.15391	313-275-588
10.00	241	50	15.60	10.52	2.38876	313-250-588
11.00	181	50	17.04	11.52	2.62361	313-275-588
12.00	181	50	18.60	12.52	2.85846	313-300-588
12.60	181	50	19.52	13.12	2.99937	313-315-588
13.00	181	50	20.12	13.52	3.09331	313-325-588
14.00	181	50	21.60	14.52	3.32816	313-350-588
16.00	181	27	24.60	16.52	3.79786	313-400-588

Delivery forms:

Standard production:

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

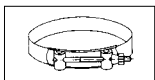
Available on request:

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

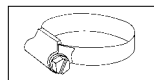
* Referring to the inner side of the elbow of hose.

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.

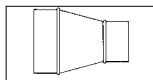
Installation and connection possibilities:



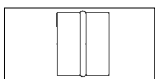
hose clamp with round pins



hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector