

SUCTION AND TRANSPORT HOSE - LIGHT/MEDIUM WEIGHT



MASTER-PUR L-F

Material

hose wall: 100 % pure polyester polyurethane, 30% more abrasion-resistant than polyether polyurethane
spiral: PU-coated spring steel wire

Applications

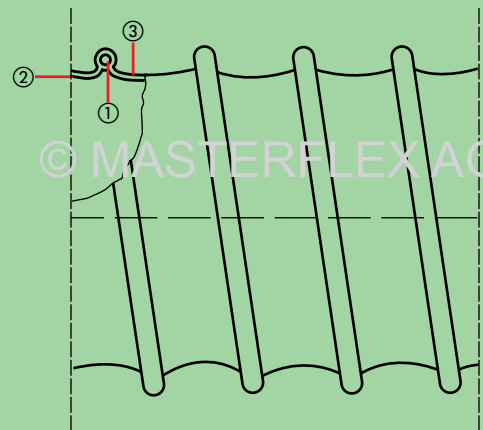
- suction and transport hose for abrasive materials
- gaseous and liquid media
- suction of paper and textile fibers
- transport of small particled dusts and powders
- oil-spray extraction
- protection hose against mechanical pressure
- transport hose for abrasive solids in fire risk areas
- woodworking machines
- exhaust equipment in wood-working industries
- suction and transport hoses for abrasive solids where resistance to microbes is necessary for example:
 - rear suction hoses on small machines, public utility cleansing and refuse collection vehicles
 - lawn mowers
 - lawn sweepers
 - leaf suction machines
 - feed transport

Properties

- highly abrasion-resistant
- resistant to oil and fuels
- gas-tight
- good chemical resistance
- free of plastizisers and halogens
- UV- and ozone-resistant
- lightweight
- extremely flexible
- small bend radius
- high tensile and burst strength
- smooth inside, for optimum flow characteristics
- electrically conductive by grounding spiral
- microbe resistant
- flame resistant

Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .0275"



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	830	265	2.32	1.82	0.23485	302-038-401
2.00	675	210	2.32	2.32	0.23485	302-050-401
2.50	506	150	2.92	2.92	0.32879	302-063-401
3.00	450	120	3.36	3.36	0.39589	302-075-401
3.50	338	90	3.96	3.96	0.46970	302-090-401
4.00	338	90	4.40	4.40	0.52338	302-100-401
4.50	281	90	4.96	4.96	0.59719	302-115-401
5.00	281	90	5.40	5.40	0.65087	302-125-401
5.50	225	60	5.96	5.96	0.83204	302-140-401
6.00	225	60	6.44	6.44	0.88572	302-150-401
6.50	225	60	6.80	6.80	0.98637	302-160-401
7.00	169	60	7.40	7.40	1.03334	302-175-401
8.00	169	60	8.56	8.56	1.09373	302-200-401
9.00	113	30	9.40	9.40	1.22793	302-225-401
10.00	113	30	10.40	10.40	1.36213	302-250-401
11.00	113	30	11.36	11.36	1.49633	302-275-401
12.00	100	27	12.40	12.40	1.63053	302-300-401
13.00	100	27	13.40	13.40	1.76473	302-325-401
14.00	52	27	14.40	14.40	1.89893	302-350-401
16.00	52	21	16.40	16.40	2.16733	302-400-401

Delivery forms:

Standard production:

- Dia. 1.50" - 16"
- Color: clear
- Standard lengths 25'

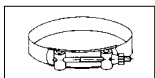
Available on request:

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

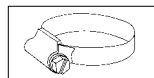
* Referring to the inner side of the elbow of hose.

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.

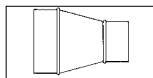
Installation and connection possibilities:



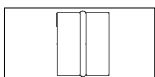
hose clamp with round pins



hose clamp with worm wheel drive



hose reducer, symmetrical



hose connector