

SUCTION AND TRANSPORT HOSE - LIGHT WEIGHT



MASTER-PUR SL

Material

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

Applications

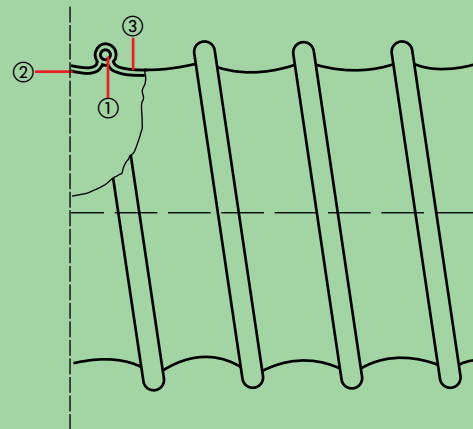
- suction and transport hose for abrasive materials
- gaseous and liquid media
- suction of paper and textile fibers
- transport of small particled dusts and powders
- oil-spray extraction
- protection hose against mechanical pressure
- transport hose for abrasive solids in fire risk areas
- woodworking 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

- reinforced by spring steel spiral
- extremely flexible
- small bend radius
- high tensile and burst strength
- super lightweight
- highly abrasion-resistant
- kink-proof
- compressible down to 20%
- solvents, oil and fuels-resistant
- gas-tight
- free of plastizisers and halogens
- UV- and ozone-resistant
- 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 .02"



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 SL

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.00	260	85	1.35	2.30	0.18000	311-050-401
2.50	289	70	1.48	2.84	0.22814	311-063-401
3.00	245	52	1.72	3.32	0.33550	311-075-401
3.60	185	38	2.00	3.96	0.39589	311-090-401
4.00	185	38	2.20	4.32	0.44286	311-100-401
4.60	153	38	2.52	4.96	0.50996	311-115-401
5.00	153	38	2.72	5.36	0.55693	311-125-401
5.60	121	26	3.00	5.96	0.61732	311-140-401
6.00	121	26	3.20	6.36	0.66429	311-150-401
6.40	121	26	3.40	6.76	0.67100	311-160-401
7.00	92	26	3.72	7.36	0.73810	311-175-401
8.00	92	26	4.20	8.40	0.78507	311-200-401
9.00	60	12	4.72	9.40	0.80520	311-225-401
10.00	60	12	5.20	10.40	1.20109	311-250-401
11.00	60	12	5.72	11.40	1.32187	311-275-401
12.00	56	11	6.20	12.40	1.44265	311-300-401
14.00	48	8	7.20	14.40	1.67750	311-350-401
16.00	40	5	8.20	16.40	1.91235	311-400-401

Delivery forms:

Standard production:

- Dia. 2" - 16"
- Color: clear
- Standard lengths 25'

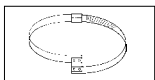
Available on request:

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

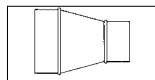
* Referring to the inner side of the elbow of hose.

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.

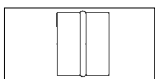
Installation and connection possibilities



CAR-GRIP special hose clamp for CARFLEX-SUPER hoses



hose reducer, symmetrical



hose connector