

# FILM HOSE - LIGHTWEIGHT, VERY FLEXIBLE AND COMPRESSIBLE



## MASTER-PUR SL

### Material

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

### Applications

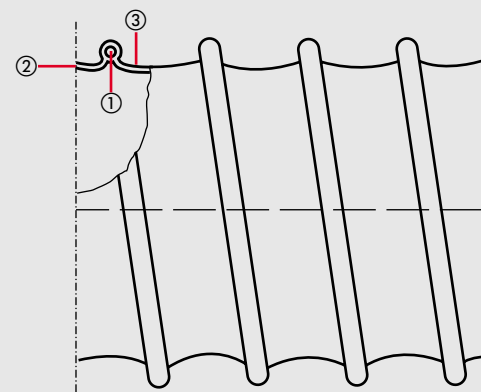
- suction and transport hose for abrasive materials
- gaseous and liquid media
- suction of paper and textile fibers
- transport of small particled dusts and powders
- oil-spray extraction
- protection hose against mechanical pressure

### 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

### Construction

- ① PU-coated spring steel spiral
- ② hose wall: polyester polyurethane
- ③ wall thickness between spirals .02"



### Temperature Range

- -40 °F up to +195 °F
- intermittent to +260 °F

### Chem. Resistance

see resistance table section no. 15

Technical Data, custom designs and forms of delivery see back page



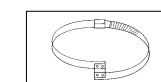
## MASTER-PUR SL

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.40	305	76	1.40	2.72	0.22143	311-060-401
2.52	289	70	1.48	2.84	0.22814	311-063-401
2.60	273	64	1.52	2.92	0.24156	311-065-401
2.80	245	64	1.60	3.12	0.25498	311-070-401
3.00	245	52	1.72	3.32	0.33550	311-075-401
3.20	213	52	1.80	3.52	0.35563	311-080-401
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
4.40	153	38	2.40	4.76	0.48983	311-110-401
4.60	153	38	2.52	4.96	0.50996	311-115-401
4.80	153	38	2.60	5.16	0.53009	311-120-401
5.00	153	38	2.72	5.36	0.55693	311-125-401
5.20	121	38	2.80	5.56	0.57706	311-130-401
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
6.80	92	26	3.60	7.16	0.71797	311-170-401
7.00	92	26	3.72	7.36	0.73810	311-175-401
7.20	92	26	3.80	7.56	0.75823	311-180-401
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
11.20	60	12	5.80	11.60	1.34871	311-280-401
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

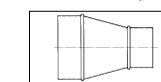
\* Referring to the inner side of the elbow of hose.

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.

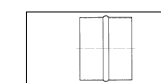
Installation and connection possibilities (see section no. 11 and 12):



CAR-GRIP special hose clamp for CARFLEX-SUPER hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

- Standard production:
- Dia. 2.4" - 16"
  - Color clear
  - Standard lengths 25'
- Available on request:
- with overprint
  - special colors
  - special lengths