

FILM HOSE - LIGHTWEIGHT, VERY FLEXIBLE AND COMPRESSIBLE



1.1.1

MASTER-PUR SL

Material

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

spiral: PU-coated spring steel wire

Applications

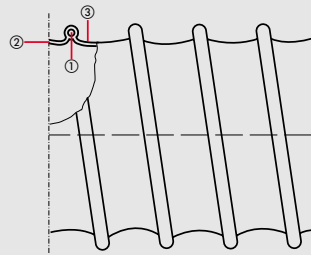
- suction and transport hose for abrasive materials
- gaseous and liquid media
- suction of paper and textile fibers
- transport of small particled dusts and powders
- oil-spray extraction
- protection hose against mechanical pressure

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 plastisizers 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.

Delivery forms:

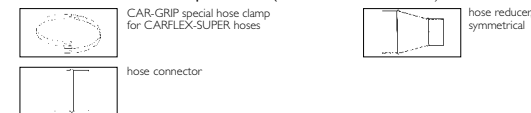
Standard production:

- Dia. 2.4" - 16"
- Color clear
- Standard lengths 25'

Available on request:

- with overprint
- special colors
- special lengths

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



Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue
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CARFLEX SUPER + MASTER-PUR STEP



11.2

CAR-GRIP

Material

clamp band: galvanized steel
screw casing: galvanized steel
bridge: stainless steel

Properties

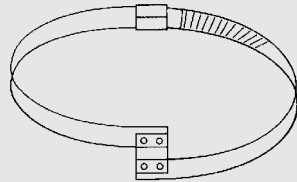
- rust resistant
- easy to install
- extra strength

Applications

- special hose clamps for securing CARFLEX SUPER and MASTER-PUR STEP hoses on mobile and stationary units

Construction

Hose clamp with worm drive with hexagon recessed head screw and spot-welded bridge



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

CAR-GRIP

for CARFLEX-SUPER and MASTER-PUR STEP (Dia.)	Clamping range (in.)	Product code
2.4" thru 10"	2.4" thru 12"	531-060-100 thru 531-250-100

Note:

CAR-GRIP worm drive hose clamps are only suitable for securing CARFLEX SUPER hoses. We recommend our standard worm drive hose clamps or heavy duty bolted clamps for securing other spiral hoses.

Delivery forms:

Standard production:
 ● clamping ranges from 2.4" - 12"

Available on request:

- in stainless steel
- other clamping ranges



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HOSE REDUCER



11.5

HOSE REDUCER

Material

galvanized steel

Applications

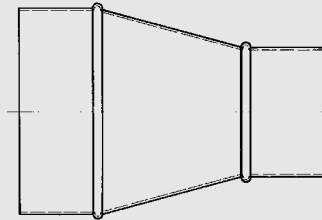
- for extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

reducer of rolled sheet steel with beadings on both ends



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

HOSE REDUCER

(Dia. 1)	(Dia. 2)	S Ga.	L1 (in.)	L2 (in.)	Product code
3" thru 12"	2" thru 10"	24	3.5"	3"	632-080-050 thru 632-300-250

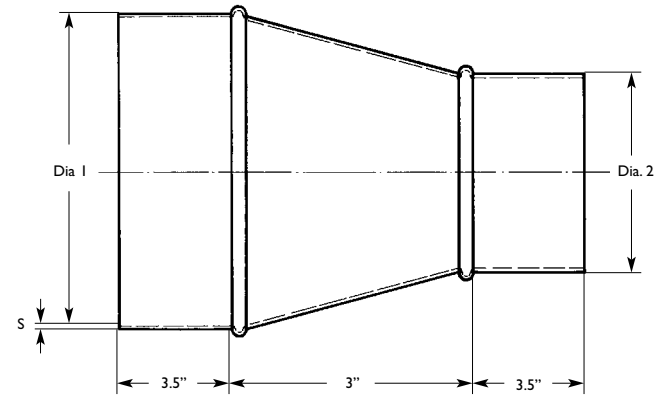
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



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HOSE CONNECTOR



11.6

HOSE CONNECTOR

Material

galvanized steel

Applications

- extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

rolled sheet steel with beandings



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

HOSE CONNECTOR

(Dia.)	Ga.	L (in.)	Product code
2" thru 36"	24	3.5"	630-050-100 thru 630-900-100

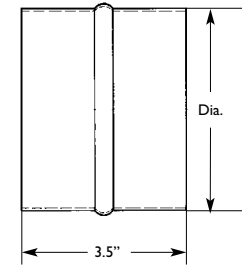
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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