

## MEDIUM AND HIGH TEMPERATURE HOSE FOR TEMPERATURES UP TO +410°F



5.1.3

## MASTER-CLIP VITON

### Material

hose wall: Viton-coated polyester fabric

external helix: galvanized steel

### Applications

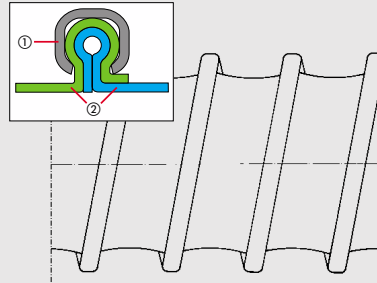
- extraction of aggressive media at medium temperatures
- low pressure applications
- chemical plants
- paint-spray extraction

### Properties

- high temperature resistance
- excellent chemical resistance
- UV- and ozone-resistant
- kink-proof
- highly flexible
- extreme compressibility 1:6
- small bend radius
- vibration proof
- tear resistant
- smooth inner hose wall
- external steel helix protects against abrasion
- special clamping method guarantees high tensile strength between hose material and external helix

### Construction

- ① external helix
- ② hose wall: Viton-coated polyester fabric



### Temperature Range

- -15°F up to +410°F
- intermittent to +465°F

### Chem. Resistance

see resistance table register no. 15

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



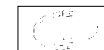
## MASTER-CLIP VITON

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
1.52	378	192	0.92	0.2684	222-038-119
1.60	374	188	0.96	0.2684	222-040-119
1.80	370	176	1.08	0.2684	222-045-119
2.00	362	160	1.20	0.2684	222-050-119
2.20	342	132	1.32	0.2684	222-055-119
2.40	313	111	1.44	0.3355	222-060-119
2.60	273	95	1.56	0.3355	222-065-119
2.80	269	82	1.68	0.3355	222-070-119
3.00	249	71	1.80	0.4026	222-075-119
3.20	245	62	1.92	0.4026	222-080-119
3.60	225	49	2.16	0.4026	222-090-119
4.00	205	40	2.40	0.4026	222-100-119
4.40	193	33	2.64	0.4697	222-110-119
4.80	145	28	2.88	0.4697	222-120-119
5.00	133	26	3.00	0.5368	222-125-119
5.20	113	24	3.12	0.5368	222-130-119
5.60	100	20	3.36	0.5368	222-140-119
6.00	88	18	3.6	0.6039	222-150-119
6.40	84	16	3.84	0.6039	222-160-119
6.80	76	14	4.08	0.6039	222-170-119
7.00	74	13	4.20	0.6710	222-175-119
7.20	69	12	4.32	0.6710	222-180-119
8.00	59	10	4.80	0.8052	222-200-119
8.60	51	9	6.04	0.8723	222-215-119
9.00	46	8	6.32	0.9394	222-225-119
10.00	40	6	7.00	1.0736	222-250-119
11.00	32	5	7.72	1.2749	222-275-119
12.00	28	4	8.40	1.4091	222-300-119
12.60	25	4	8.84	1.4091	222-315-119
13.00	24	4	9.12	1.4762	222-325-119
14.00	23	3	9.80	1.6775	222-350-119
15.00	20	3	10.52	1.9459	222-375-119
16.00	19	3	11.20	2.0801	222-400-119
18.00	18	2	14.40	2.4156	222-450-119
20.00	17	2	16.00	2.7511	222-500-119
22.00	17	1	17.60	3.0866	222-550-119
24.00	16	1	19.20	3.4221	222-600-119
28.00	12	1	22.40	4.0260	222-700-119
32.00	9	1	25.60	4.6299	222-800-119
36.00	6	1	28.80	5.2338	222-900-119

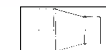
\* Referring to the inner side of the elbow of hose.

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):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

#### Standard production:

- Dia. 1.52" - 3.6"
- Color red
- inside black
- Production lengths 20', 25'

#### Available on request:

- special colors
- special lengths
- special diameters
- custom design with other pitches and helix sizes



## Pacific Air Consultants, Inc.

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## SPECIAL HOSE CLAMP FOR MASTER-CLIP HOSES



## CLIP-GRIP

### Material

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

### Properties

- rust resistant
- easy to install
- extra strength

### Applications

- special hose clamps for securing all types of hoses from the MASTER-CLIP series on mobile and stationary units

### Construction

- hose clamp with one or more worm drive(s)
- with a hexagon head screw
- with one or more spot-welded bridges



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

## CLIP-GRIP

For MASTER-CLIP hoses (Dia.)	Clamping range (in.)	Product code
1.52" thru 36"	1.52" thru 36"	530-038-100 thru 530-900-100

### Note:

CLIP-GRIP worm drive hose clamps are only suitable for securing MASTER-CLIP 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 1.52" - 36.2"

**Available on request:**

- in stainless steel
- other clamping ranges
- reinforced clamps with additional bridges



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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 CLAMP, BOLT CLAMP



11.3

## HOSE CLAMP, BOLT CLAMP

### Material

clamp band: galvanized steel  
screws: galvanized steel

### Applications

- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

### Properties

- rust resistant
- extra strength
- band width .70" - 1.0"
- band thickness .023" - .063"

### Construction

Large strip hose clamp with fastening lug



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

## HOSE CLAMP, BOLT CLAMP

Clamping range (in.)	Width x thickness (in.)	Product code
1.25" thru 20"	.80" x .03" thru 1.00" x .04"	621-032-115 thru 621-500-115

### Note:

Heavy duty bolted clamps are suitable for the mounting of medium and heavy weight spiral hose types. For the mounting of lightweight hose qualities we recommend worm drive hose clamps.

### Delivery forms:

Standard production:  
● clamping ranges from 1.25" - 20"

### Available on request:

- in stainless steel
- other clamping ranges



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## HOSE CLAMP WITH WORM GEAR DRIVE



11.4

## HOSE CLAMP WITH WORM GEAR DRIVE

### Material

clamp band: galvanized steel  
screw casing: galvanized steel

### Properties

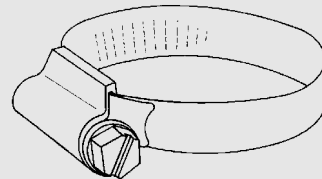
- rust resistant
- extra strength

### Applications

- for attaching light spiral hoses onto connecting branches on mobile and stationary units

### Construction

one-piece hose band clamps with a hexagon head screw, recessed



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

## HOSE CLAMP WITH WORM GEAR DRIVE

Clamping range (in.)	Product code
1" thru 20"	620-025-100 thru 620-500-100

### Delivery forms:

Standard production:  
● clamping ranges from 1" - 20"

### Available on request:

- in stainless steel
- other clamping ranges

### Note:

Worm drive hose clamps are suitable for the mounting of lightweight spiral hose types. For the mounting of heavy weight hose qualities we recommend the heavy duty bolted clamps.



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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

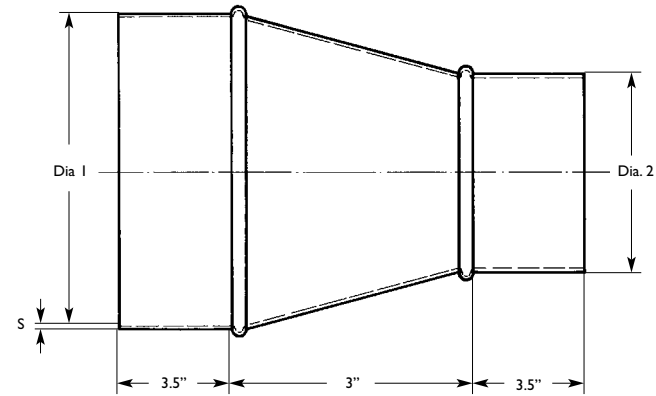
### Delivery forms:

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

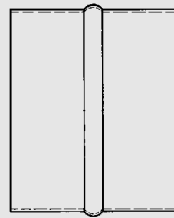
- extending, connecting and attaching lightweight or medium weight hoses

### 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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