

## SUCTION AND VENTILATING HOSE FOR CORROSIVE MEDIA UP TO +480°F



## MASTER-CLIP TEFLON S-EC

### Material

hose wall: inner layer: PTFE-film, electrically conductive, outer layer: silicone-coated glass fabric  
external helix: galvanized steel

### Applications

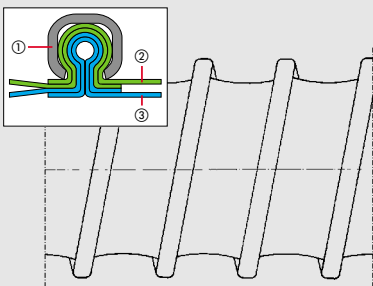
- dangerous areas, where electrical conductivity is demanded
- extraction of corrosive and explosive gases and fumes
- under increased mechanical performance and higher temperature
- chemical plants
- paint mist exhaustion
- paint, wood and paper industries
- extraction of solvents
- pharmaceutical industry
- low pressure applications

### Properties

- excellent chemical resistance
- PTFE: harmless to health
- heat and cold resistant
- excellent weather resistance
- highly flexible
- extreme compressibility 1:4
- small bend radius
- outer hose wall of extra strength material
- inner hose wall with non-stick surface
- PTFE-film: surface resistivity  $R_O = 10^6$  Ohm
- optimum flow characteristics
- external steel helix protects against abrasion
- clamping method guarantees tensile strength between hose material and external helix

### Construction

- ① external helix
- ② outer layer: silicone-coated glass fabric
- ③ inner layer: PTFE-film



### Temperature Range

- -90°F up to +480°F
- intermittent to +520°F

### Chem. Resistance

see resistance table register no. 15

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



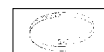
## MASTER-CLIP TEFLON S-EC

Dia. (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Weight (lbs./ft.)	Product code
2.0	342	141	1.20	0.3355	262-050-216
2.2	313	117	1.32	0.3355	262-055-216
2.4	273	98	1.44	0.4026	262-060-216
2.6	237	84	1.56	0.4697	262-065-216
2.8	213	70	1.68	0.4697	262-070-216
3.0	189	62	1.80	0.5368	262-075-216
3.2	173	55	1.92	0.5368	262-080-216
3.6	143	44	2.16	0.6039	262-090-216
4.0	121	35	2.40	0.6710	262-100-216
4.4	104	29	2.64	0.7381	262-110-216
4.8	90	25	2.88	0.7381	262-120-216
5.0	84	22	3.00	0.8052	262-125-216
5.2	79	21	3.12	0.8052	262-130-216
5.6	70	18	3.36	0.8723	262-140-216
6.0	63	16	3.60	0.8723	262-150-216
6.4	56	14	3.84	0.8723	262-160-216
6.8	51	12	4.08	0.9394	262-170-216
7.0	49	12	4.20	0.9394	262-175-216
7.2	47	11	4.32	0.9394	262-180-216
8.0	40	9	4.80	1.0736	262-200-216
8.6	35	8	6.04	1.2078	262-215-216
9.0	33	7	6.32	1.3420	262-225-216
10.0	28	6	7.00	1.4091	262-250-216
11.0	24	5	7.72	1.5433	262-275-216
12.0	21	4	8.40	1.6104	262-300-216
12.6	19	4	8.84	1.7446	262-315-216
13.0	18	3	9.12	1.8788	262-325-216
14.0	16	3	9.80	2.2143	262-350-216
15.0	14	3	10.52	2.3485	262-375-216
16.0	13	2	11.20	2.5498	262-400-216
18.0	11	2	14.40	2.8182	262-450-216
20.0	9	1	16.00	3.1537	262-500-216
22.0	8	1	17.60	3.5563	262-550-216
24.0	7	1	19.20	3.9589	262-600-216
28.0	6	1	22.40	4.6299	262-700-216
32.0	4	1	25.60	5.0996	262-800-216
36.0	4	1	28.80	5.5022	262-900-216

\* 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.

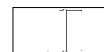
### Installation and connection possibilities (see section no. 11 and 12):



CLIP-GRIP special hose clamp for MASTER-CLIP hoses



hose reducer, symmetrical



hose connector

### Delivery forms:

#### Standard production:

- Dia. 2" - 36"
- Color: inside black outside silvergrey
- Production lengths 20', 25'

#### Available on request:

- special diameters
- special lengths
- custom design with other pitches and helix sizes
- external helix also in stainless steel or aluminium



## Pacific Air Consultants, Inc.

P.O. Box 426 - 33100 NE Ivy Avenue  
La Center, Washington 98629 USA  
Ph. (800) 252-3993 - Fax (360) 263-9772  
web- PacAir.net - Email- Sales@PacAir.net

## 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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## HOSE CLAMP, BOLT CLAMP



11.3

## HOSE CLAMP, BOLT CLAMP

### Material

clamp band: galvanized steel  
screws: galvanized steel

### Applications

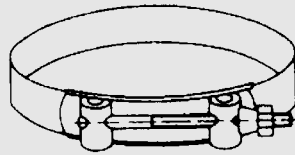
- for attaching medium-weight and heavy spiral hoses onto connecting branches on mobile and stationary units

### 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

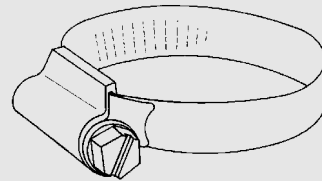
- rust resistant
- extra strength

### 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

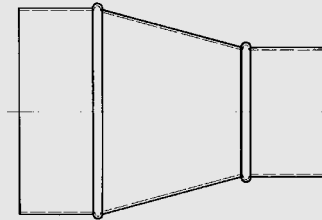
- for extending, connecting and attaching lightweight or medium weight hoses

### 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

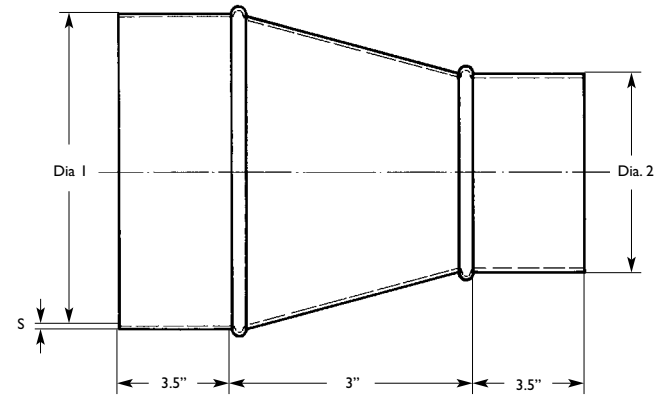
### Delivery forms:

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

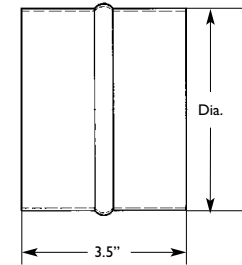
**Delivery forms:**

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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