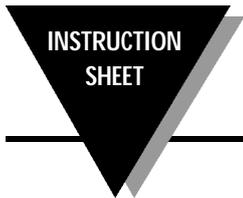
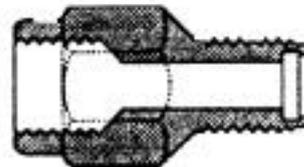




# PS Series Pressure Snubbers



M1180/0302

This envelope contains a  
POROUS METALLIC PRESSURE SNUBBER

### Materials of Construction

- Housings: 303 Stainless Steel
- Porous Discs: 316 Stainless Steel

NOTE: OMEGA SNUBBERS are available in other shapes, sizes, threads and materials on special order. Prices quoted on application.

### Maximum Pressure Ratings:

Material: Stainless Steel		
Catalog No.	Size	Pressure Rating
PS-4	1/4" NPT	15,000 PSI
PS-2	1/2" NPT	15,000 PSI
PS-8	1/8" NPT	5,000 PSI

### Recommended Porosities:

Type of Service	Porosity Designation
Oil (Heavy 225 to 500 S.S.U.)	D
Water and Light Oils (30 to 225 S.S.U.)	E
Air or Other Gases	G

### Porous Element Snubbers Used As A Flow Restrictor

Because OMEGA® Porous Metal Snubbers are capable of precise flow control, it is possible to use them as flow restrictors or bleed controls.

If the snubber is to be used as a flow controller, it is recommended that the snubber be protected by a suitable filter to prevent change in flow characteristics as a result of the collection of random entrained solids on the porous element.

### Instructions For Use Of Porous Element Pressure Snubbers

The accompanying porosity recommendations will accommodate approximately 85% of all pressure sensitive device applications. For violently surging or pulsing systems, the next finer porosity snubber may be indicated. If the instrument seems to be sluggish or to lack responsiveness to transient pressure changes within the system, the next more porous snubber should be substituted. Consistency of performance from one snubber to another of the same porosity is guaranteed.

All industrial type snubbers are equipped with dry-seal type pipe threads. If possible, the snubber should be assembled to the system without the use of pipe joint compound or other similar material. If pipe joint compound is used, extreme care should be taken to prevent coating the porous element with the compound. If pipe joint compound is necessary, it is strongly advised that one of the solid resinous types of compound be used. Teflon plastic tape is suggested as being the most efficient of these materials. All male pipe threads come pre-wrapped with Teflon® tape. The snubbers have been cleaned to eliminate all hydrocarbon residuals. Each snubber is subjected to a 5 minute ultra-sonic cleaning using Chloroethene as the solvent. It is guaranteed that not more than .001% of the solvent is non-volatile.

### Cleaning Instructions

All snubbers may be washed in solvents such as carbon tetrachloride, benzene, naphtha, etc. Where chemical cleaning is required, boiling in any of the following solutions will be found effective, depending on which solution the contaminant is most soluble in:

**Stainless Steel:** 15% caustic soda (1 part soda; 6 parts water) or 15% nitric acid (1 part acid; 6 parts water). Boil 15 to 45 minutes.

After boiling, wash snubber in running tap water for approximately 45 minutes. DO NOT FORCE TAP WATER THROUGH THE SNUBBER AS THIS WILL PLUG IT.



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**WARNING:** These products are not designed for use in, and should not be used for, patient-connected applications.



## WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of 13 months from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear are not warranted, including but not limited to contact points, fuses, and triacs.

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The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR WARRANTY RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR NON-WARRANTY REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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