

PS Series

Pressure Snubbers



M1180/0107

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This envelope contains a POROUS METALLIC PRESSURE SNUBBER

Materials of Construction

Housings: Porous Discs: 303 Stainless Steel 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.	Thread Size	Pressure Rating		
PS-8*	1⁄8" x 1⁄8" NPT			
PS-8*-M	%" x %" BSPT	5,000 PSI		
PS-8*-MG	1∕8 " x 1∕8 " G			
PS-4*	1/4" x 1/4" NPT			
PS-4*-M	1/4" x 1/4" BSPT	10,000 PSI		
PS-4*-MG	1⁄4" x 1⁄4" G			
PS-2*	1⁄2" x 1⁄2" NPT			
PS-2*-M	½ ″ x ½ ″ BSPT	10,000 PSI		
PS-2*-MG	½" x ½" G			

* Porosity Grade D, E or G.

Recommended Porosity				
Porosity Designation	Porosity Opening mm (in)		Cap CFH@ 1-PSI -Diff.	Type of Usage
	Mean	Max.	Pressure	
D	0.0635 (0.0025)	0.1270 (0.0050)	6.5	Oil (Heavy 225 to 500 S. S. U.)
E	0.0330 (0.0013)	0.0635 (0.0025)	3.0	Water and Light Oils 30 to 25 S. S. U)
G	0.0102 (0.0004)	0.0025 (0.0001)	1.1	Air or Other Gases

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.

Teflon® is a registered trademark of DuPont.

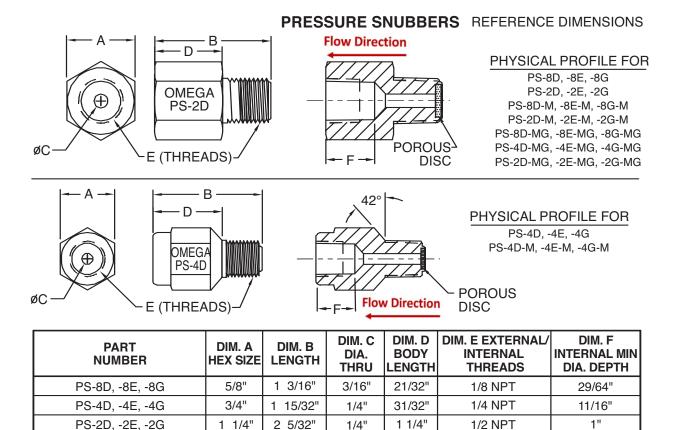
Cleaning Instructions

All snubbers may be washed in solvents such as carbon tetrachloride, benzine, 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.





PS-8D-M, -8E-M, -8G-M PS-4D-M, -4E-M, -4G-M	17 mm	1 3/16"	3/16"	21/32"	1/8–28 BSPT	29/64"
PS 4D M 4E M 4G M	1					
F 3-4D-IVI, -4E-IVI, -4G-IVI	19 mm	1 15/32"	1/4"	31/32"	1/4–19 BSPT	11/16"
PS-2D-M, -2E-M, -2G-M	32 mm	2 5/32"	1/4"	1 1/4"	1/2–14 BSPT	1"
PS-8D-MG, -8E-MG, -8G-MG	17 mm	1 3/16"	3/16"	21/32"	1/8–28 G	29/64"
PS-4D-MG, -4E-MG, -4G-MG	19 mm	1 15/32"	1/4"	31/32"	1/4–19 G	11/16"
PS-2D-MG, -2E-MG, -2G-MG	32 mm	2 5/32"	1/4"	1 1/4"	1/2–14 G	1"

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