



# CHEMIQUIP PRESSURE SNUBBERS

## PROTECT HYDRAULIC & PNEUMATIC PRESSURE SENSITIVE DEVICES

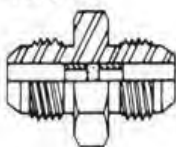
- Insure steady, accurate Pressure response
- Protect pressure sensitive Instruments against pulsation or surges
- Increase instrument life.

WHEN ORDERING, PLEASE SPECIFY DESIRED POROSITY AS SHOWN UNDER "RECOMMENDED POROSITIES"

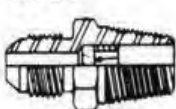
| Description of Fitting                                          |                                                         | HOUSING MATERIAL     |        |                 |        |
|-----------------------------------------------------------------|---------------------------------------------------------|----------------------|--------|-----------------|--------|
|                                                                 |                                                         | Cadmium-Plated Steel |        | Stainless Steel |        |
|                                                                 |                                                         | Catalog Number       | Weight | Catalog Number  | Weight |
| Coupling<br>Flare x Flare<br>(similar to AN815)                 | ¼" Flare (7/16"-20 NF-3)                                | AN-1                 | ½ oz.  | AC-1            | ½ oz.  |
|                                                                 | ½" Flare (9/16"-18 NF-3)                                | AN-6                 | 1 oz.  | AC-6            | 1 oz.  |
|                                                                 | ¾" Flare (¾"-16 NF-3)                                   | AN-8                 | 2 oz.  | AC-8            | 2 oz.  |
| Coupling<br>Flare x NPT<br>(similar to AN816)                   | ¼" Flare (7/16"-20 NF-3) x ¼" NPT Male                  | 12BN-1/12MR-4        | ½ oz.  | 12BC-1/12MRS-4  | ½ oz.  |
|                                                                 | ½" Flare (9/16"-18 NF-3) x ½" NPT Male                  | 25BN-1/25MR-4        | ½ oz.  | 25BC-1/25MRS-4  | ½ oz.  |
|                                                                 | ¾" Flare (9/16"-18 NF-3) x ¾" NPT Male                  | 25BN-6/25MR-6        | 1 oz.  | 25BC-6/25MRS-6  | 1 oz.  |
| Elbow<br>Flare<br>(similar to AN821)                            | ¼" Flare (7/16"-20 NF-3)                                | LN-1                 | 1 oz.  | LC-1            | 1 oz.  |
|                                                                 | ½" Flare (9/16"-18 NF-3)                                | LN-6                 | 2 oz.  | LC-6            | 2 oz.  |
|                                                                 | ¾" Flare (¾"-16 NF-3)                                   | LN-8                 | 3 oz.  | LC-8            | 3 oz.  |
| Tee<br>Flare<br>(similar to AN824)                              | ¼" Flare (7/16"-20 NF-3)                                | TN-1                 | 2 oz.  | TC-1            | 2 oz.  |
|                                                                 | ½" Flare (9/16"-18 NF-3)                                | TN-6                 | 3 oz.  | TC-6            | 3 oz.  |
|                                                                 | ¾" Flare (¾"-16 NF-3)                                   | TN-8                 | 4 oz.  | TC-8            | 4 oz.  |
| Bulkhead Coupling<br>Flare<br>(similar to AN832)                | ¼" Flare (7/16"-20 NF-3)                                | AHN-1                | 1 oz.  | AHC-1           | 1 oz.  |
|                                                                 | ½" Flare (9/16"-18 NF-3)                                | AHN-6                | 2 oz.  | AHC-6           | 2 oz.  |
|                                                                 | ¾" Flare (¾"-16 NF-3)                                   | AHN-8                | 3 oz.  | AHC-8           | 3 oz.  |
| Reducing Coupling<br>Flare x Flare<br>(similar to AN919)        | ¼" Flare (7/16"-20 NF-3)<br>x ½" Flare (5/16"-20 NF-3)  | ARN-1                | 1 oz.  | ARC-1           | 1 oz.  |
|                                                                 | ½" Flare (9/16"-18 NF-3)<br>x ¾" Flare (7/16"-20 NF-3)  | 1ARN-6               | 1 oz.  | 1ARC-6          | 1 oz.  |
|                                                                 | ¾" Flare (¾"-16 NF-3)<br>x 1" Flare (1"-16 NF-3)        | 1ARN-8               | 2 oz.  | 1ARC-10         | 2 oz.  |
|                                                                 | 1" Flare (1"-16 NF-3)<br>x 1½" Flare (1½"-16 NF-3)      |                      |        |                 |        |
| Flare Tube Bushing<br>Gasket Seal x Flare<br>(similar to AN894) | ¼" Tube x ¼" Flare<br>(7/16"-20 NF-3) x (7/16"-20 NF-3) | 1KAN-1               | 2 oz.  | 1KAC-1          | 2 oz.  |
|                                                                 | ½" Tube x ½" Flare<br>(9/16"-18 NF-3) x (7/16"-20 NF-3) | 6KAN-1               | 2 oz.  | 6KAC-1          | 2 oz.  |
|                                                                 | ¾" Tube x ¾" Flare<br>(9/16"-18 NF-3) x (9/16"-18 NF-3) | 6KAN-6               | 2 oz.  | 6KAC-6          | 2 oz.  |
|                                                                 | 1" Tube x 1" Flare<br>(¾"-16 NF-3) x (7/16"-20 NF-3)    | 8KAN-1               | 3 oz.  | 8KAC-1          | 3 oz.  |
|                                                                 | 1½" Tube x 1½" Flare<br>(¾"-16 NF-3) x (9/16"-18 NF-3)  | 8KAN-6               | 3 oz.  | 8KAC-6          | 3 oz.  |

\*Intermediate porosities are available on special order. Other styles of fittings available; prices on application

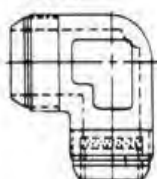
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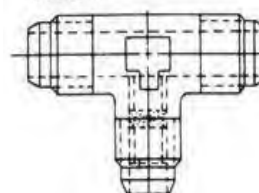
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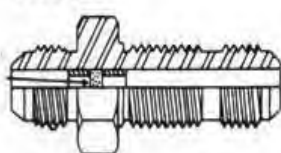
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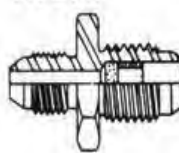
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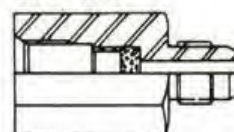
TYPE AH



TYPE AR



TYPE KAC

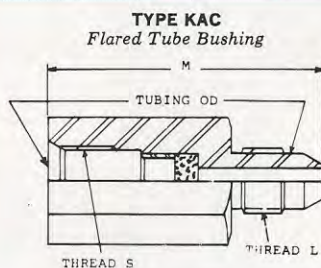
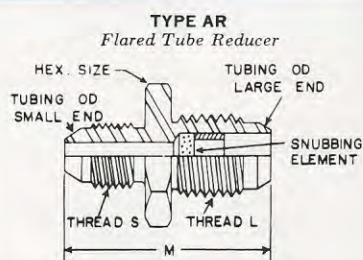
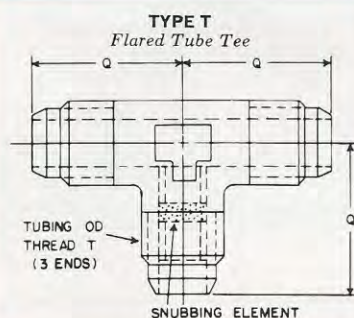
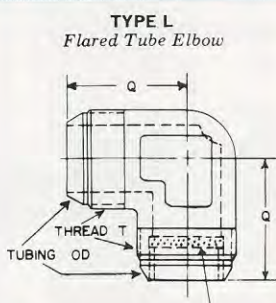
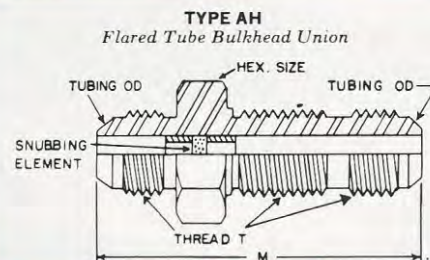
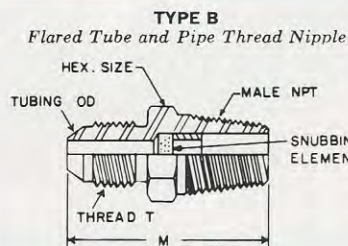
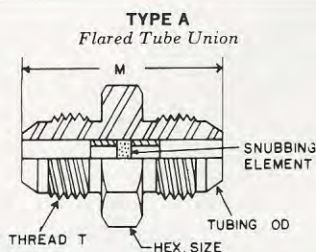




# CHEMIQUIP POROUS METAL PRESSURE SNUBBERS

*Insure the reliable instrumentation needed for performance and safety by specifying Chemiquip Snubbers for hydraulic and pneumatic systems.*

**ALL SAE, AS, AN, AND MS TYPE FITTINGS ARE AVAILABLE AS SNUBBERS**



**ORDERING INFORMATION:**  
When ordering, specify Part No. and Porosity designation. If required, CHEMIQUIP Engineers will aid in the selection of proper metal or porosity.

## SNUBBER DIMENSIONS

| Catalog number | Tubing Size (inches) | HEX (inches) | DIMENSIONS M Q (inches) | THREAD T         | THREAD NPT       |
|----------------|----------------------|--------------|-------------------------|------------------|------------------|
| AC-1           | 1/4                  | 11/16        | 1 1/4                   | 7/16"-20         |                  |
| AC-6           | 3/8                  | 13/16        | 1 3/8                   | 9/16"-18         |                  |
| AC-8           | 1/2                  | 1            | 1 9/16                  | 3/4"-16          |                  |
| 12 BC-1        | 1/4                  | 1/2          | 1 7/64                  | 7/16"-20         | 1/8"             |
| 25 BC-1        | 1/4                  | 9/16         | 1 3/8                   | 9/16"-18         | 1/4"             |
| 25 BC-6        | 3/8                  | 3/4          | 1 3/8                   | 3/4"-16          | 1/4"             |
| LC-1           | 1/4                  |              | 57/64                   | 7/16"-20         |                  |
| LC-6           | 3/8                  |              | 1 1/16                  | 9/16"-18         |                  |
| LC-8           | 1/2                  |              | 1 1/4                   | 3/4"-16          |                  |
| TC-1           | 1/4                  |              | 55/64                   | 7/16"-20         |                  |
| TC-6           | 3/8                  |              | 1 1/64                  | 9/16"-18         |                  |
| TC-8           | 1/2                  |              | 1 7/32                  | 3/4"-16          |                  |
| AHC-1          | 1/4                  | 11/16        | 2 3/64                  | 7/16"-20         |                  |
| AHC-6          | 3/8                  | 13/16        | 2 13/32                 | 9/16"-18         |                  |
| AHC-8          | 1/2                  | 1            | 2 29/64                 | 3/4"-16          |                  |
| ARC-1          | 1/8 x 1/4            | 11/16        | 1 1/4                   | THRD. S 5/16"-24 | THRD. L 7/16"-20 |
| 1 ARC-6        | 1/4 x 3/8            | 13/16        | 1 13/32                 | 7/16"-20         | 9/16"-18         |
| 1 ARC-10       | 1/4 x 1/2            | 1            | 1 17/32                 | 7/16"-20         | 3/4"-16          |
| 1 KAC-1        | 1/4 x 1/4            | 11/16        | 1 45/64                 | 7/16"-20         | 7/16"-20         |
| 6 KAC-1        | 3/8 x 1/4            | 13/16        | 1 25/64                 | 9/16"-18         | 7/16"-20         |
| 6 KAC-6        | 3/8 x 3/8            | 3/4          | 1 5/16                  | 9/16"-18         | 9/16"-18         |
| 8 KAC-1        | 1/2 x 1/4            | 1            | 1 37/64                 | 3/4"-16          | 7/16"-20         |
| 8 KAC-6        | 1/2 x 3/8            | 1            | 1 35/64                 | 3/4"-16          | 9/16"-18         |

## STANDARD MATERIALS OF CONSTRUCTION

### Housing:

- 303 Stainless Steel
- 316 Stainless Steel
- Cadmium Plated Carbon Steel
- Aluminum
- Monel

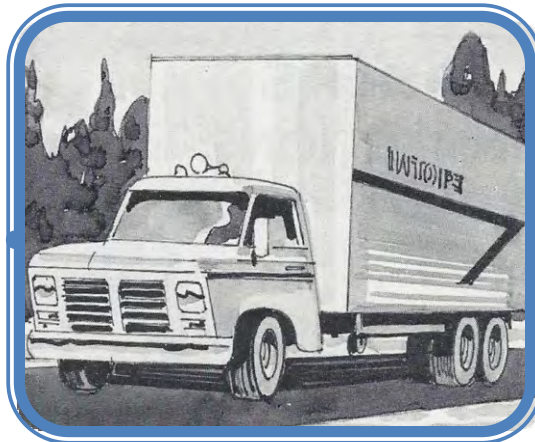
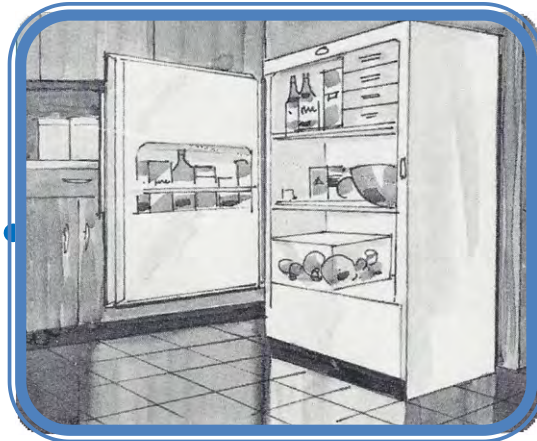
### Porous Disc:

- 316 Stainless Steel
- Monel available with Special Order



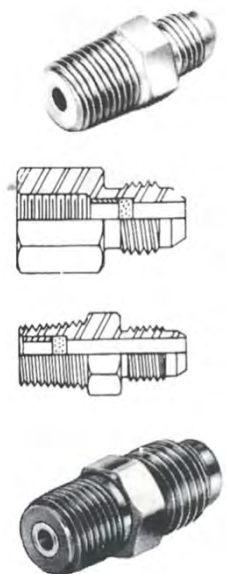


# REFRIGRATION, AND OTHER APPLICATIONS



## REFRIGERATION AND TYPE WITH TAPERED PIPE AND FLARE TUBING CONNECTIONS, Conforms with JIC Standards

WHEN ORDERING, PLEASE SPECIFY DESIRED POROSITY AS SHOWN UNDER "RECOMANDED POROSITES"



| Description of Fitting        | HOUSING MATERIAL     |        |                 |        |
|-------------------------------|----------------------|--------|-----------------|--------|
|                               | Cadmium-Plated Steel |        | Stainless Steel |        |
|                               | Cat. No.             | Weight | Cat. No.        | Weight |
| 1/8" NPT Female x 1/4" Flare  | 12-FR-4              | 1 oz.  | 12-FRS-4        | 1 oz.  |
| 1/8" NPT Female x 5/16" Flare | 12-FR-5              | 1 oz.  | 12-FRS-5        | 1 oz.  |
| 1/4" NPT Female x 1/4" Flare  | 25-FR-4              | 1 oz.  | 25-FRS-4        | 1 oz.  |
| 1/4" NPT Female x 5/16" Flare | 25-FR-5              | 1 oz.  | 25-FRS-5        | 1 oz.  |
| 1/4" NPT Female x 3/8" Flare  | 25-FR-6              | 1 oz.  | 25-FRS-6        | 1 oz.  |
| 1/2" NPT Male x 1/4" Flare    | 50-MR-4              | 3 oz.  | 50-MRS-4        | 3 oz.  |
| 1/8" NPT Male x 5/16" Flare   | 12-MR-5              | 2 oz.  | 12-MRS-5        | 2 oz.  |
| 1/2" NPT Male x 5/16" Flare   | 50-MR-5              | 3 oz.  | 50-MRS-5        | 3 oz.  |
| 1/4" NPT Male x 5/16" Flare   | 25-MR-5              | 2 oz.  | 25-MRS-5        | 2 oz.  |
| 1/2" NPT Male x 3/8" Flare    | 50-MR-6              | 3 oz.  | 50-MRS-6        | 3 oz.  |

\*Intermediate porosities are available on special order. Other styles of fittings available; prices on application



## CHEMIQUIP PRESSURE SNUBBERS WITH TUBING CONNECTIONS

for Refrigeration, and Other Applications

### ENGINEERING DATA:

#### RECOMMENDED POROSITIES:

| Type of Service                                  | Porosity Designation | Micron Rating |
|--------------------------------------------------|----------------------|---------------|
| Highly Viscous Fluids (over 500 S.S.U.)          | C                    | .75           |
| Oils (225 to 500 S.S.U.)                         | D                    | .40-45        |
| Water and Light Oils (30 to 225 S.S.U.)          | E                    | .10           |
| Vapor and Low Viscosity Fluids (under 30 S.S.U.) | F                    | .7            |
| Air or other Gases                               | G                    | .2-5          |
| Pulsating Gas                                    | HX                   | 1             |
| Extreme Gas Pulsation                            | HXX                  | ½             |

Note: Other porosities available on special order

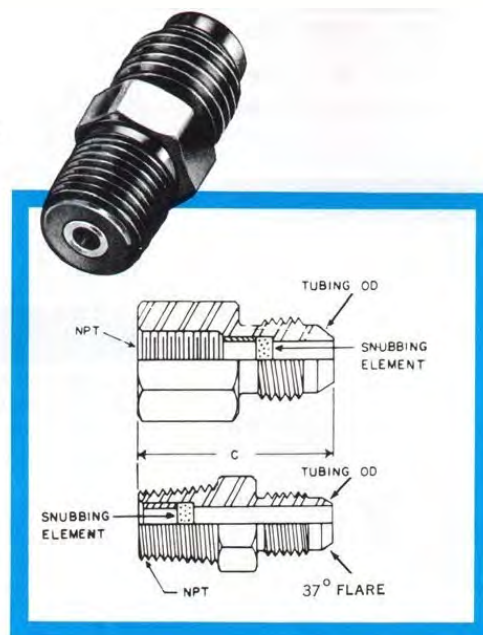
#### STANDARD MATERIALS OF CONSTRUCTION:

Housing: Cadmium-plated Carbon Steel; Stainless Steel (300 Series)

Porous Disc: Stainless Steel Type 316

#### DIMENSIONS:

| Catalog number | Tubing (O.D.) | Pipe npt  | Overall Length ( C ) |
|----------------|---------------|-----------|----------------------|
| 12-FR-4        | ¼"            | ⅛" Female | 1 3/16"              |
| 12-FR-5        | 5/16"         | ⅛" Female | 1 3/16"              |
| 25-FR-4        | ¼"            | ¼" Female | 1 3/8"               |
| 25-FR-5        | 5/16"         | ¼" Female | 1 7/16"              |
| 25-FR-6        | 3/8"          | ¼" Female | 1 7/16"              |
| 12-MR-4        | ¼"            | ⅛" Male   | 1 1/8"               |
| 12-MR-5        | 5/16"         | ⅛" Male   | 1 3/16"              |
| 25-MR-4        | ¼"            | ¼" Male   | 1 3/8"               |
| 25-MR-5        | 5/16"         | ¼" Male   | 1 7/16"              |
| 25-MR-6        | 3/8"          | ¼" Male   | 1 7/16"              |



Add suffix to Catalog Number to indicate desired Porosity (e.g. 12-FR-4C)