

MOTT POROUS METAL SNUBBERS



EXTERNAL AND INTERNAL PRESSURE GAUGE SNUBBERS

DESCRIPTION

Mott's porous metal snubbers increase instrument life by eliminating variations in line pressure caused by hydraulic or pneumatic shocks and pulses. These gauge snubbers assure consistent pressure readings and eliminate instrument failure in sensitive laboratory and industrial gauging applications.

Each snubber is available in a variety of media grades suitable for use with oils, gases, water, or mercury. We can also customize gauge snubbers to meet your specific requirements.

EXTERNAL GAUGE SNUBBERS

Mott 4100 Series Assemblies are available in common NPT sizes to fit your 1/8", 1/4" and 1/2" lines with different fittings including stainless steel or brass depending on your needs. Other sizes and materials are also available and can be designed to meet your application requirements.

Once installed upstream from pressure sensitive instruments, the porous metal element within the snubber device dampens any pressure spikes that could impact the accurate operation of downstream instruments.

Example Part Description: 4100-1/8-SS-Media Grade

MAXIMUM PRESSURE RATINGS

| Material | 1/8" NPT | 1/4" NPT | 1/2" NPT |
|-----------------|-----------|------------|------------|
| Brass | 1,500 psi | 5,000 psi | 10,000 psi |
| Stainless Steel | 5,000 psi | 20,000 psi | 20,000 psi |



FEATURES & BENEFITS

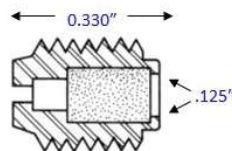
- » Resists Clogging with Hundreds of Flow Paths
- » Removes Damaging Solids
- » No Media / Particle Migration
- » Corrosion Resistant Mott Porous Metal
- » Uniform Porosity Media
- » Uniform Permeability

MEDIA GRADES

| | | |
|------|--------------|-------|
| EF - | Extra Fine | 3 µm |
| F - | Fine | 6 µm |
| M - | Medium | 12 µm |
| C - | Coarse | 23 µm |
| EC - | Extra Coarse | 50 µm |

INTERNAL SNUBBERS

Mott 4200 Series Snubbers function exactly the same way as the external models but are placed inside a pressure gauge for compact design. Manufactured to three standard flow specifications but can be customized upon request.



Hardware: 1/4" x 20 NC

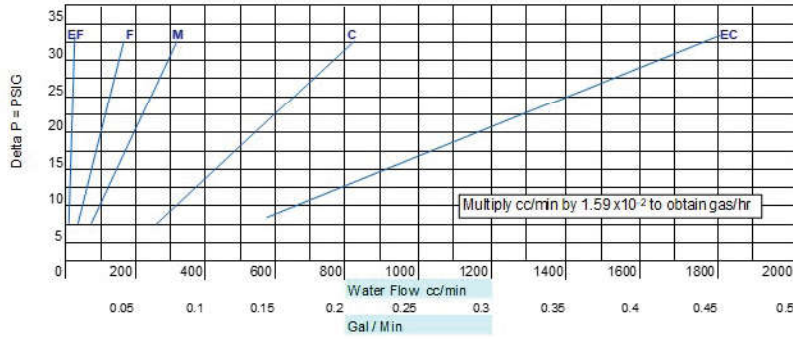
INTERNAL SNUBBER PART NUMBERS

| Part Number | Flow Specification | Description |
|-------------|--------------------------|-------------|
| 4104201-F | 0.1 +/- 02 CFM @ 10 PSIG | 4200-F |
| 4104202-M | 0.2 +/- 04 CFM @ 10 PSIG | 4200-M |
| 4105203-C | 0.3 +/- 06 CFM @ 10 PSIG | 4200-C |

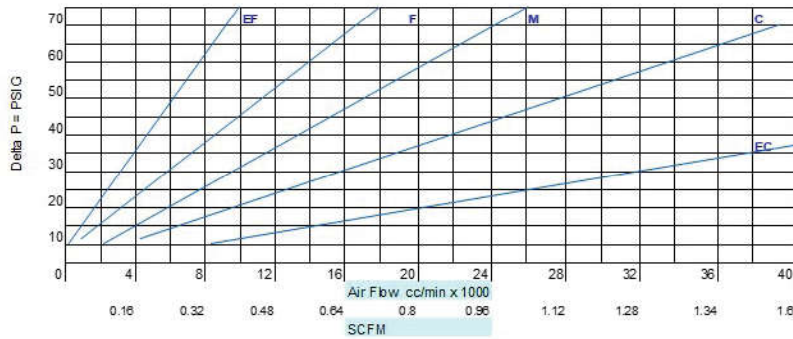
FLOW DATA 4100 & 4200 SERIES SNUBBERS

| MEDIA GRADE TYPE KEY | | | | |
|----------------------|--------------|-------------|---------------------|--|
| Grade | Description | Media Grade | Max Pressure Rating | |
| EF | Extra Fine | 3µm | 5000 PSI | |
| F | Fine | 6µm | 5000 PSI | |
| M | Medium | 12µm | 5000 PSI | |
| C | Coarse | 23µm | 5000 PSI | |
| EC | Extra Coarse | 50µm | 5000 PSI | |

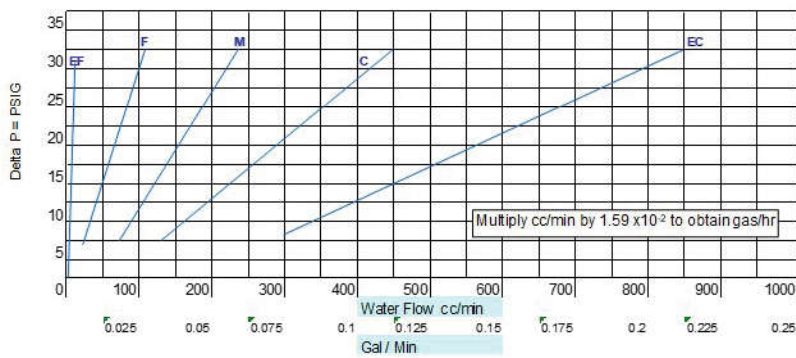
1/8" = 4100 Series



1/8" = 4100 Series



1/4" = 4200 Series



1/4" = 4200 Series

