MOTT POROUS METAL SNUBBERS

mott
MISSION CRITICAL PRECISION

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

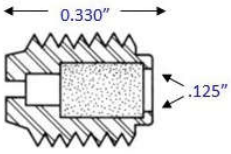
» Resists Clogging with Hundreds of Flow Paths
» Removes Damaging Solids
» No Media / Particle Migration
» Corrosion Resistant Mott Porous Metal
» Uniform Porosity Media
» Uniform Permeability

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

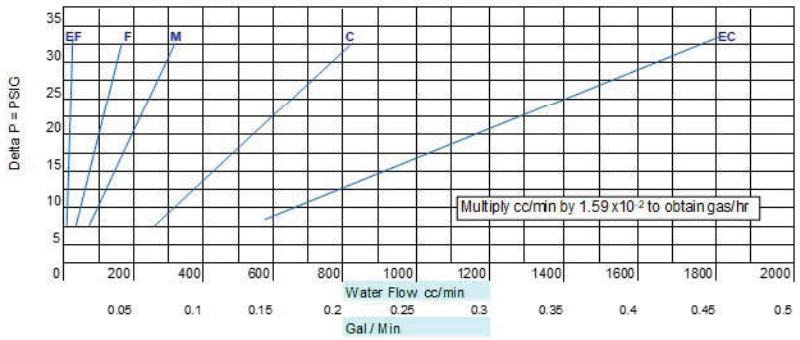
Part Number	Flow Specification	Description
4104201-F	0.1 +/- 02 CFM @ 10 PSIG	4200-F
4104202-M	0.2 +/- 04 CFM @ 10 PSIG	4200-M
4105203-C	0.3 +/- 06 CFM @ 10 PSIG	4200-C

FLOW DATA 4100 & 4200 SERIES SNUBBERS

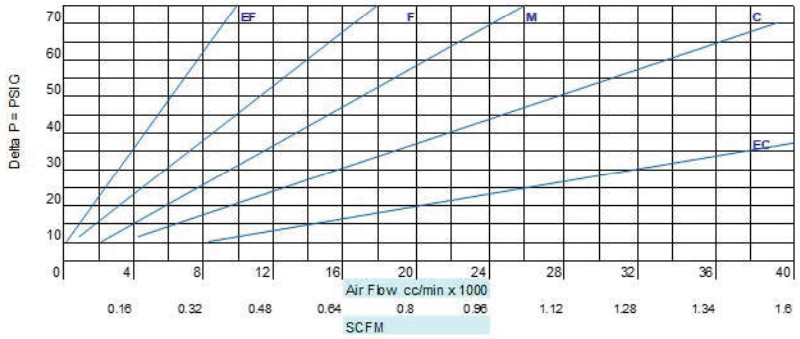
MEDIA GRADE TYPE KEY

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

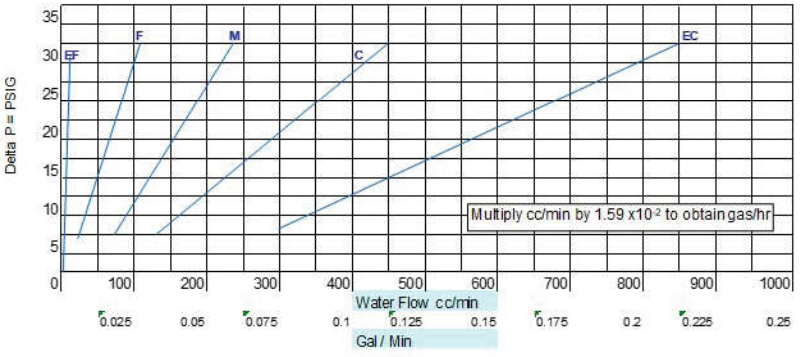
1/8" = 4100 Series



1/8" = 4100 Series



1/4" = 4200 Series



1/4" = 4200 Series