

MOTT SURFACE MOUNT FLOW RESTRICTORS FOR HIGH PURITY GASES



GSMR SERIES RESTRICTORS FOR 1.125" SURFACE MOUNT APPLICATIONS

DESCRIPTION

The Mott GSMR Series flow restrictors support the 1.125" high-flow C-Seal configuration gas systems. These restrictors are assembled and tested in a Class 100 clean room environment. For W-Seal configurations, consult factory.

CONFIGURATION

Our spool piece design (GSMR-20 and 30) allows the modular restrictor to be mounted between the substrate and another two-port surface mount component. Please specify at time of order which port (center or side port) required the porous restrictor. The spool piece requires seals for both sealing surfaces on top and bottom.

GIVE US YOUR INFORMATION

- Specify the process gas to be used
- Flow rate: sccm
- Inlet pressure: psig
- Outlet pressure: if other than atmosphere

Note: Mott GSMR restrictors are calibrated on the following gases: Argon, Nitrogen, Hydrogen, Oxygen, Helium, and Air. All other gases are calibrated using viscosity curves.



SPECIFICATIONS

- Materials of Construction: 316L SS Media & Housing (10 Ra surface finish on all wetted surfaces)
- Maximum Operating Pressure: 1200 psig
- Maximum Design Pressure: 100 psig
- Burst Pressure: 20,000 psig
- Operating Temperature: Up to 460°C (Inert Gases)
- Std Downstream Flow Rates: From 50 slpm (Higher Flows Available)
- Flow Tolerance: +/-7% of rated flow at rated pressure (+/-2% available upon request)

MODEL TRANSLATOR SURFACE MOUNT RESTRICTORS

Code	Product Family						
GSMR	Gas Shield Modular Mount Restrictors						
	Code	Seal type					
	20	C Seal, 1.125 square in. spool piece					
	30	C Seal, 1.5 square in. spool piece					
		Code	Housing materials				
		1	316L SS VAR				
			Code	Flow Rate			
			XX	Flows from 0.000001 sccm to TBD sccm			
			Code	Gas and Inlet Pressure			
			XX@XX	Gas Name @ PSI (PSIG)			
			Code	Number of Ports			
			2	Two Port			
			3	Three Port, C-Seal spool piece only			
				Code		Port Location	
				S		Side Port	
				C		Center Port	
GSMR	20	1	500 SCCM	N2@30PSIG	2	C	Typical Model Number