

GAS DIFFUSER

METAL SERIES

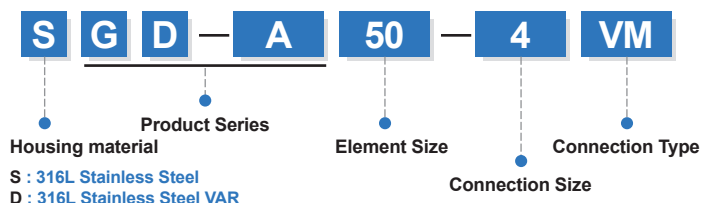
- Ultra-high purity Metal Gas Diffuser
- 316L Stainless steel element
- High temperature applications
- Compact size and high reliability on shock or vibration



PRODUCT FEATURES

- Wide range flow rate from 60 to 300 SLPM
- Excellent compatibility with most high purity semiconductor process gases
- 3 Nanometer particle filtering capability keeps up high flow efficiency with minimum pressure drop
- 5Ra electro-polished surface prevents internal contaminations
- Baked with hot nitrogen after DI water cleaning to meet semiconductor process standards
- 100%helium leak tested

ORDERING INFORMATION

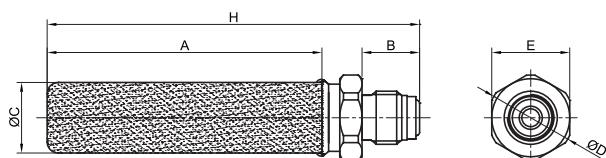


Size		Connection	
4	1/4"	VM	MFS male type
6	3/8"	NW25X8VM	NW25 flange type
8	1/2"		

SPECIFICATIONS

Removal Rating	≥ 0.0025μm		
Retention	Greater than 99.9999999% Removal of all particles down to 0.0025μm		
Rated Flow @ 10⁹	70SLPM (A50)		
	60SLPM (B40)		
	80SLPM (B70)		
	90SLPM (B74)		
	300SLPM (C80)		
	100SLPM (NW25X8VM)		
Materials	Filter Element	316L Stainless Steel	
	Housing	316L Stainless Steel / 316L VAR Stainless Steel	
Element Operating Conditions	Maximum inlet pressure	1Mpa	
	Maximum Operating Temperature	460°C	
Surface Finish Interior	≤ Ra 10μin(BA) / ≤ Ra 5μin(EP)		

DIMENSIONS



Series	Size	Part Number	A/mm	B/mm	C/mm	D/mm	E/mm	H/mm
SGD-A	3/8"	GD-A50-6VM	50	19	13	27	24	81.5
		GD-B40-4VM	40	15.5	19	23	21	66.3
SGD-B	1/4"	GD-B70-4VM	70	15.5	19	23	21	96.3
		GD-B74-4VM	74	15.5	19	23	21	100.3
		GD-B74-NW25X8VM	74	39.4	19	40	23.8	123.4
SGD-C	1/2"	GD-C80-8VM	80	19	24	27	24	110.8

PERFORMANCE DATA

