

PTFE GAS FILTER

ST-A SERIES

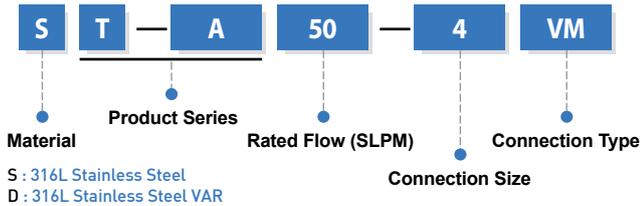
- Ultra-high purity in-line gas filter
- All fluoropolymer filter element
- Electropolished 316L stainless steel housing



PRODUCT FEATURES

- PTFE element with superior corrosion resistance and excellent compatibility for 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
- Class 100 manufacturing, cleaning and packaging environment
- 100% helium leak tested

ORDERING INFORMATION

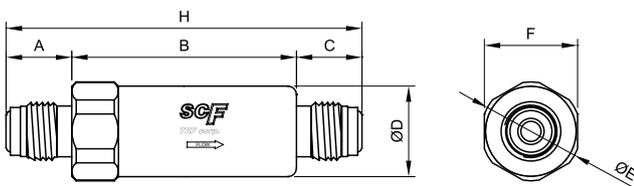


Size		Connection	
4	1/4"	VM	MFS male type
6	3/8"	SW	Lok type
8	1/2"		

SPECIFICATIONS

Removal Rating	≥ 0.0025μm	
Retention	Greater than 99.9999999% Removal of all particles down to 0.0025μm	
Rated Flow @ 10 ⁹	50 SLPM	
	100 SLPM	
	150 SLPM	
Materials	Filter element / Support / O-ring	PTFE / PFA / PTFE
	Electropolished housing	316L Stainless steel / 316L Stainless steel VAR
Operating Conditions	Maximum inlet pressure	0.98 MPa (10kgf/cm ²) at 20°C
	Maximum differential pressure	0.4 MPa (4.2kgf/cm ²) at 20°C
	Maximum operating temperature	120°C (Inert gas)
Helium Leak Rating	1 x 10 ⁻⁹ atm·cc/sec	
Surface Finish Interior	≤ Ra 5μinch	

DIMENSIONS



Part No.	A/mm	B/mm	C/mm	D/mm	E/mm	F/mm	H/mm
ST-A50-4VM	15.5	53	15.5	21.5	23.5	22	84
ST-A50-4SW	10.4	52.2	10.4	21.5	23.5	22	73
ST-A100-4VM	15.5	96	15.5	26.5	30	27	127
ST-A100-4SW	10.4	95.2	10.4	26.5	30	27	116
ST-A100-6(8)VM	19	96	19	26.5	30	27	134
ST-A100-6(8)SW	12	96	12	26.5	30	27	120
ST-A150-4VM	15.5	96	15.5	26.5	30	27	127
ST-A150-4SW	10.4	95.2	10.4	26.5	30	27	116
ST-A150-6(8)VM	19	96	19	26.5	30	27	134
ST-A150-6(8)SW	12	96	12	26.5	30	27	120

PERFORMANCE DATA

