

PTFE GAS FILTER

ST-C SERIES

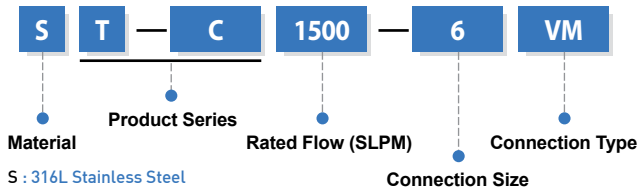
- Ultra-high purity in-line gas filter
- All fluoropolymer filter element
- Electropolished 316L stainless steel housing



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

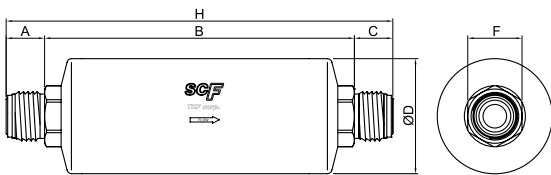


Size		Connection	
6	3/8"	VM	MFS male type
8	1/2"	SW	Lok type
		A	Tube size
		TW	Butt Weld type

SPECIFICATIONS

Removal Rating	≥ 0.0025μm	
Retention	Greater than 99.9999999% Removal of all particles down to 0.0025μm	
Rated Flow @ 10 ⁹	1500 SLPM, 2000 SLPM, 2500 SLPM, 3500 SLPM, 7500 SLPM	
Materials	Filter element / Support / O-ring	PTFE / PP / FKM
	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	100°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	F/mm	H/mm
ST-C1500-6(8)VM	19	198	19	76.3	24	236
ST-C1500-8SW	12	198	12	76.3	24	223
ST-C1500-12VM	25.5	205.6	25.5	76.3	36	256.6
ST-C1500-12SW	17	205.6	17	76.3	36	239.6
ST-C1500-8TW	56.2	183	56.2	76	-	295
ST-C1500-15A	48.5	184	48.5	76.6	-	281
ST-C2000-15A	48.5	184	48.5	76.2	-	281
ST-C2500-20A	70	303.5	70	89.1	-	443.5
ST-C3500-25A	70	310	70	89.1	-	450
ST-C7500-40A	70	551	70	89.1	-	691

PERFORMANCE DATA

