

PTFE GAS FILTER

ST-B SERIES

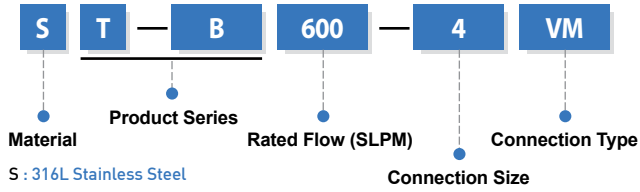
- Ultra-high purity in-line gas filter
- All fluoropolymer filter element
- Electropolished 316L stainless steel housing



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

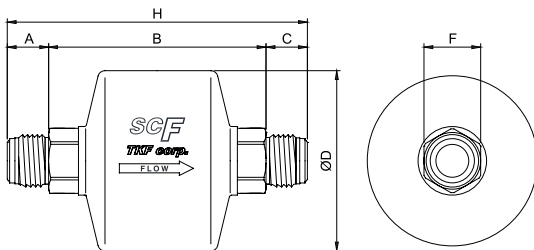


Size		Connection	
4	1/4"	VM	MFS male type
6	3/8"	SW	Lok type
8	1/2"		

SPECIFICATIONS

Removal Rating	≥ 0.0025μm		
Retention	Greater than 99.9999999% Removal of all particles down to 0.0025μm		
Rated Flow @ 10 ⁹	600 SLPM (MAX 1000SLPM)		
Materials	Filter element / Support / O-ring	PTFE / PFA / 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	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	F/mm	H/mm
ST-B600-4VM	15.5	96	15.5	76.3	24	127
ST-B600-4SW	10.4	92.2	10.4	76.3	24	113
ST-B600-6(8)VM	19	89	19	76.3	24	127
ST-B600-6(8)SW	12	89	19	76.3	24	113
ST-B600-12VM	25.5	82	25.5	76.3	36	133
ST-B600-12SW	17	82	17	76.3	36	116

PERFORMANCE DATA

