

TKSCT

Ultra-high purity in-line

Gas Filters



TKSCT Gas Filter Series

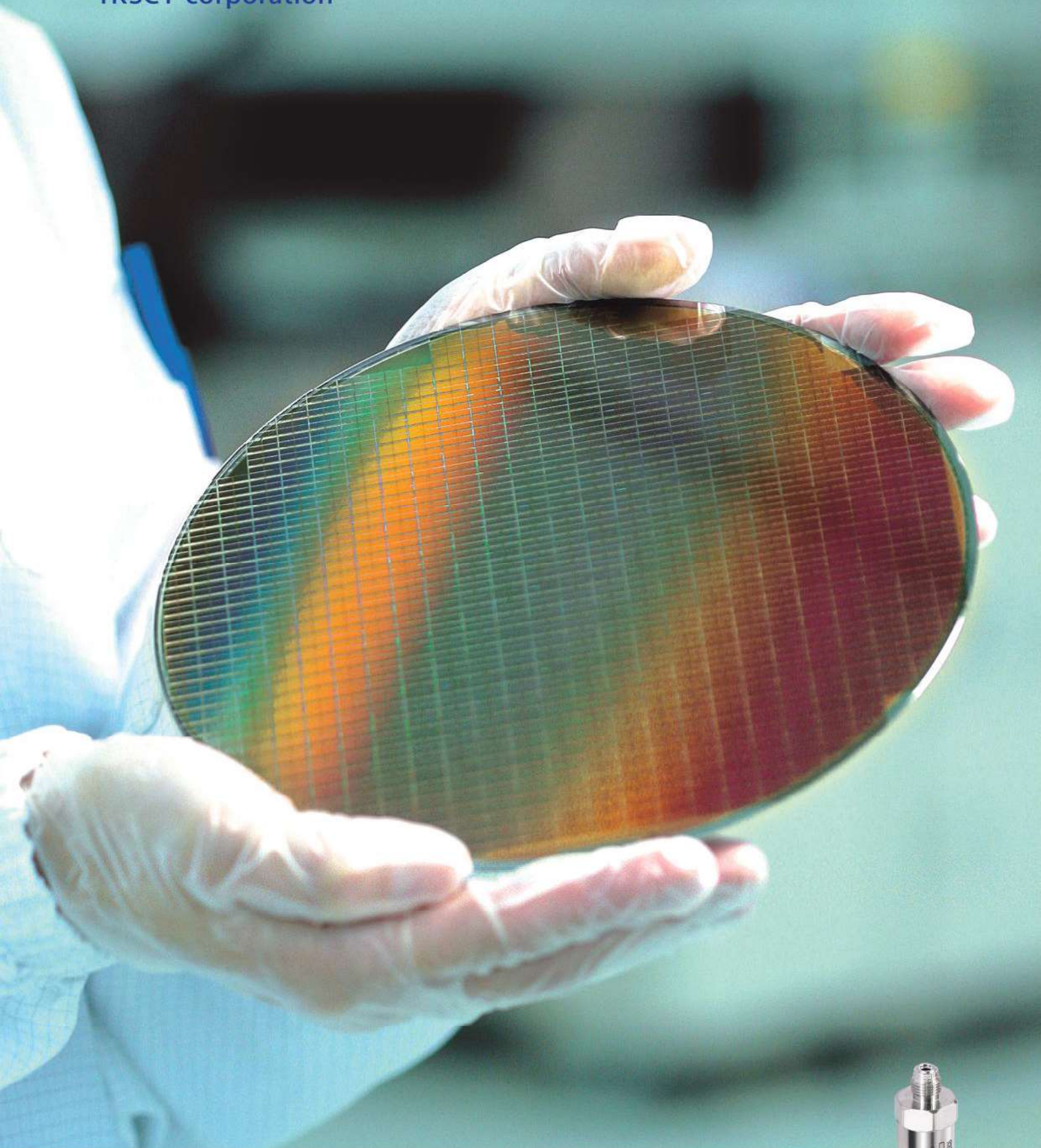
Hastelloy Gas Filter

Stainless Steel Gas Filter

PTFE Gas Filter

IGS Gas Filter

Gasket Filter



Ultra-high purity in-line **Gas Filter**



Stainless Steel Gas Filter

SS-H Series

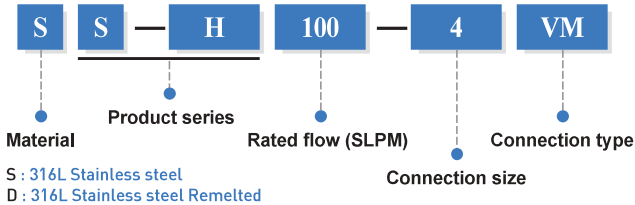
- Ultra-high purity in-line high flow gas filter
- All 316L stainless steel constructions
- High temperature and dynamic pressure applications
- Compact size and variable end connections



Product Features

- Wide range flow rate from 100 to 800 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
- Class 100 manufacturing, cleaning and packaging environment
- 100% helium leak tested

Ordering Information

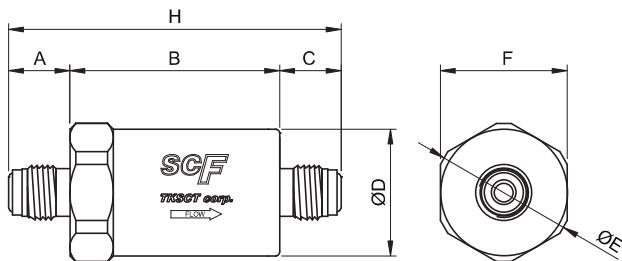


Size		Connection	
4	1/4"	VM	MFS male type
6	3/8"	SW	Lok type
8	1/2"		

Specifications

Removal rating	≥ 0.0025 μm	
Retention	Greater than 99.9999999% Removal of all particles down to 0.0025 μm	
Rated flow @ 10⁹	100 SLPM (MAX 150SLPM)	
	150 SLPM (MAX 200SLPM)	
	600 SLPM (MAX 800SLPM)	
Materials	Filter element	316L Stainless steel
	Electropolished housing	316L Stainless steel / 316L Stainless steel Remelted
Operating conditions	Maximum inlet pressure	12 MPa (122kgf/cm ²) at 20°C
	Maximum differential pressure	10 MPa (101kgf/cm ²) at 20°C
	Maximum operating temperature	460°C (Inert gas)
Helium leak rating	1 x 10 ⁻⁹ atm cc/sec	
Surface finish interior	≤ Ra 5μin	

Dimensions



Part No.	A/mm	B/mm	C/mm	D/mm	E/mm	F/mm	H/mm
SS-H100-4VM	15.5	53	15.5	32	35	32	84
SS-H100-4SW	10.4	52.2	10.4	32	35	32	73
SS-H100-6(8)VM	19	53	19	32	35	32	91
SS-H100-6(8)SW	12	53	12	32	35	32	77
SS-H150-4VM	15.5	53	15.5	32	35	32	84
SS-H150-4SW	10.4	52.2	10.4	32	35	32	73
SS-H150-6(8)VM	19	53	19	32	35	32	91
SS-H150-6(8)SW	12	53	12	32	35	32	77
SS-H600-4VM	15.5	96	15.5	32	35	32	127
SS-H600-4SW	10.4	95.2	10.4	32	35	32	116
SS-H600-6(8)VM	19	96	19	32	35	32	134
SS-H600-6(8)SW	12	96	12	32	35	32	120

Performance Data

