



## WAFERGARD® II SF MICRO XL IN-LINE GAS FILTERS

*Superior particulate filtration for  
ultrapure gas system filtration*

### Overview

Wafergard® II SF Micro XL gas filters are the filters of choice for high-purity gas systems when all stainless steel construction is preferred.

A state-of-the-art housing assembly eliminates outgassing by minimizing weld area. The all-metal construction is ideal for high-temperature and dynamic pressure applications. Its compact size and flexible choice of fittings provides ultimate design efficiency and minimizes engineering costs.

### Applications

- Ultra-high purity gas lines
- High-temperature applications
- New fab construction
- Dynamic pressure applications
- Inert and reactive gases

### Specifications

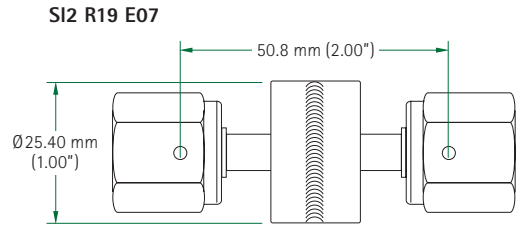
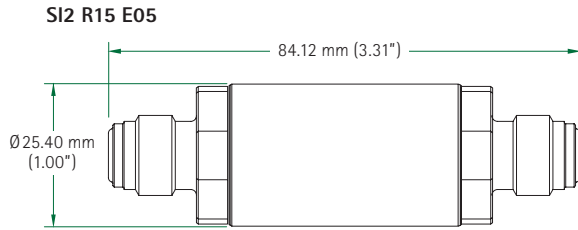
Materials:	Filter element	Stainless steel membrane filter
	Housing	Electropolished VAR316L stainless steel housing
Downstream cleanliness:	Particles	<0.03 particles/liter (<1 particle/ft <sup>3</sup> ) >0.01 μm
	Volatiles	<10 ppb moisture
Removal rating:	≥ 0.003 μm	
Surface finish interior:	≤ 5.00 μin Ra	
Helium leak rating:	Qualified	2 × 10 <sup>-10</sup> atm/cc-sec
	Tested	1 × 10 <sup>-9</sup> atm/cc-sec
Maximum operating conditions:	Maximum inlet pressure	20 MPa (200 bar; 2900 PSI) @ 20°C
	Maximum forward/reverse differential pressure	1 MPa (10 bar; 150 PSID)
	Maximum operating temperature	460°C (860°F) @ 35 bar (500 PSI)
Warranty:	2 years	
Particle retention:	Greater than 99.9999999% (9 LRV) removal of all particles	
Flow rating:	Refer to performance data	



### Key Features

- All-metal welded filter
- Excellent compatibility with most high-purity semiconductor process gasses

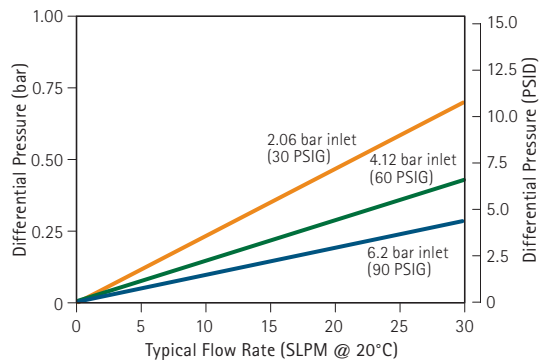
## Dimensions



## Ordering Information

Part Number	Description	Dimensions
SI2 R15 E05	Wafergard II SF Micro XL in-line gas filters, 1/4" gasket seal (compatible with VCR® fitting), male inlet/outlet	84.1 mm (3.31")
SI2 R19 E07	Wafergard II SF Micro XL in-line gas filters, 1/4" gasket seal (compatible with VCR fitting), female inlet/outlet, short version	50.8 mm (2.00")

## Performance Data



## For More Information

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