



WAFERGARD® II SF MINI XL IN-LINE GAS FILTERS

*Superior particulate filtration for
ultrapure gas system filtration*

Overview

Wafergard® II stainless steel gas filters are the filter 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 provide ultimate design efficiency and minimize engineering costs.

Applications

- Ultrapure gas lines
- High-temperature applications
- New fab construction
- Dynamic-pressure applications
- Inert and reactive gases

Key Features

- All-metal welded filter
- Excellent compatibility with most ultrapure semiconductor process gases

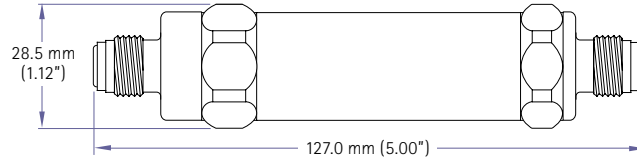


Specifications

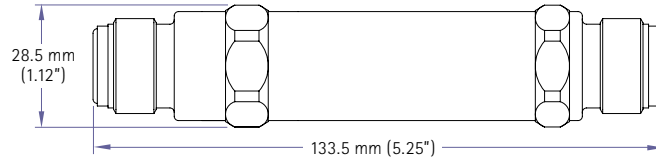
Materials:	Filter element	Stainless steel membrane filter
	Housing	Electropolished VAR 316L stainless steel housing
Downstream cleanliness:	Particles	<0.03 particles/liter (<1 particle/ft ³) >0.01 µm
	Volatiles	<10 ppb moisture
Removal rating:	≥0.003 µm	
Surface finish interior:	≤5 µin Ra	
Helium leak rating:	Qualified	2 × 10 ⁻¹⁰ atm cc/sec
	Tested	1 × 10 ⁻⁹ atm cc/sec
Operating conditions:	Maximum inlet pressure	165 bar (2357 psi) @ 20°C
	Maximum forward/reverse differential pressure	140 bar (2000 psid)
	Maximum operating temperature	460°C (860°F) @ 35 bar (500 psi)
Warranty:	2 year	
Particle retention:	Greater than 99.9999% (6 LRV) removal of all particles @ 60 SLPm (referenced at the most penetrating particle size)	
Flow rating:	See performance data	

Dimensions

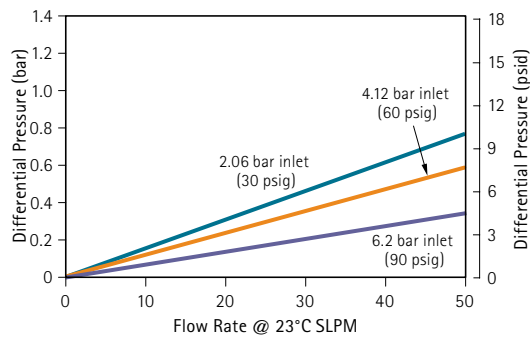
WGMS 02PRU 1/4" Gasket Seal, Male Inlet/outlet



WGMS 32PRU 3/8" Gasket Seal, Male Inlet/outlet



Performance Data



Ordering Information

Part Number	Fitting Options	Overall Length
WGMS 02PRU	Wafergard II SF Mini XL in-line filter, 1/4" gasket seal (compatible with VCR® fitting), male inlet/outlet	127.0 mm (5.00")
WGMS 32PRU	Wafergard II SF Mini XL in-line filter, 3/8" gasket seal (compatible with VCR fitting), male inlet/outlet	133.5 mm (5.25")

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

Terms and Conditions of Sale

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit www.entegris.com and select the Legal Notices link from the footer.

Entegris®, the Entegris Rings Design® and Wafergard® are registered trademarks of Entegris, Inc. VCR® is a registered trademark of Swagelok Company.

ENTEGRIS, INC.

Corporate Headquarters | 129 Concord Road | Billerica, MA 01821 USA
 Customer Service Tel. +1 952 556 4181 | Customer Service Fax +1 952 556 8022
 In North America 800 394 4083 | www.entegris.com