

Wafergard® II Stainless Steel 3XP In-line Gas Filters

*All stainless steel gas filters for
ultra-high purity gas filtration*

Ideal for ultra-high purity (UHP), high flow gas lines, these Wafergard® II 3XP Mini and Mini XL in-line gas filters are all 316L stainless steel construction and designed with 3x higher flow rate and 3-digit higher retention efficiency than similar filters. The durable construction makes them ideal in UHP high-flow applications with mid-range flow rates up to 500 slpm such as diffusion, annealing, epitaxy tools, and connections.



FEATURES & BENEFITS

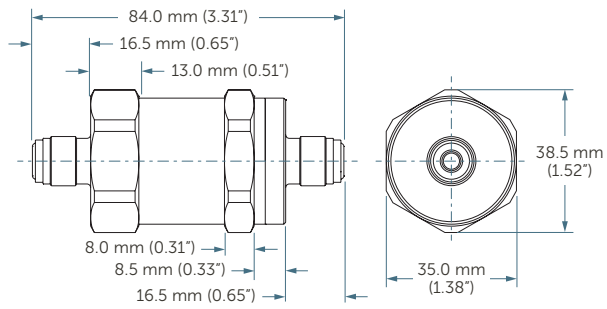
Optimized high-flow and high-retention 316L stainless steel filter element	Enables 3x flow rate and 3-digit retention efficiency improvement over existing model
Standard size	Allows easy installation into existing gas panels or delivery systems without design changes
All 316L stainless steel construction	Durability enables long-lasting performance, making this the filter of choice for high-purity gas systems Offers excellent gas compatibility with most semiconductor gases Provides reliable performance in high-temperature and dynamic pressure applications

SPECIFICATIONS

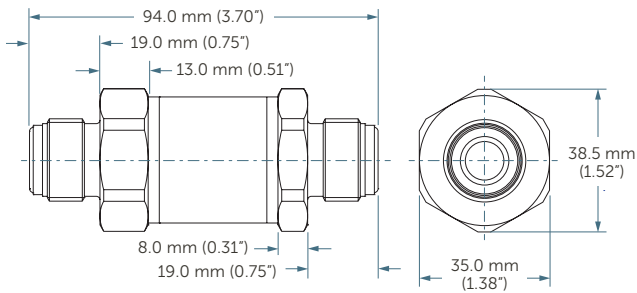
Materials	Membrane, housing	316L stainless steel
Surface finish interior	$\leq 10 \mu\text{in Ra}$	
Removal rating	$\geq 0.0015 \mu\text{m}$	
Downstream cleanliness	Cleanliness $< 0.03 \text{ particles/L}$ ($< 1 \text{ particle/ft}^3$) $> 0.01 \mu\text{m}$	
Operating conditions	Maximum operating pressure: 54 barg (780 psig) Maximum differential pressure: 9.8 bar (142 psid) Maximum operating temperature: 460°C (860°F)	
Helium leak rating	Qualified	$2 \times 10^{-10} \text{ atm cc/sec}$
	Tested	$1 \times 10^{-9} \text{ atm cc/sec}$
Warranty	2 year	

DIMENSIONS

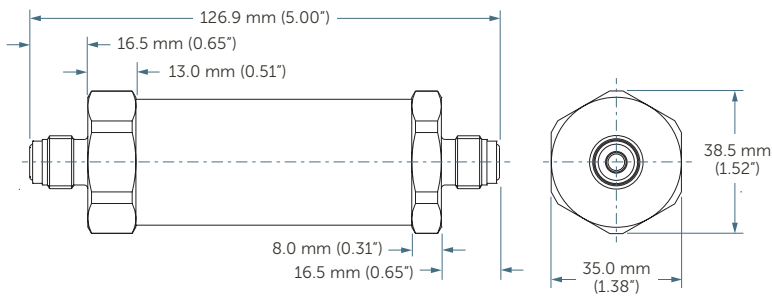
WG2L200SS3R2



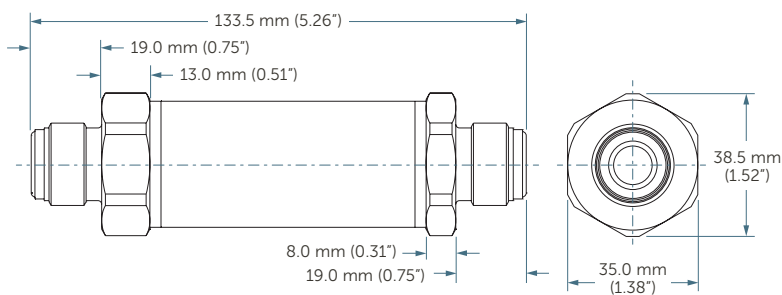
WG2L200SS3R4



WG2L500SS5R2

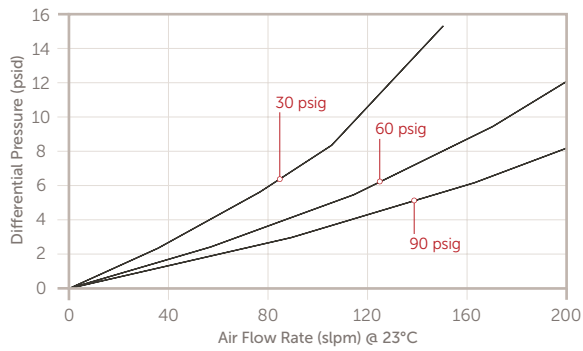


WG2L500SS5R4

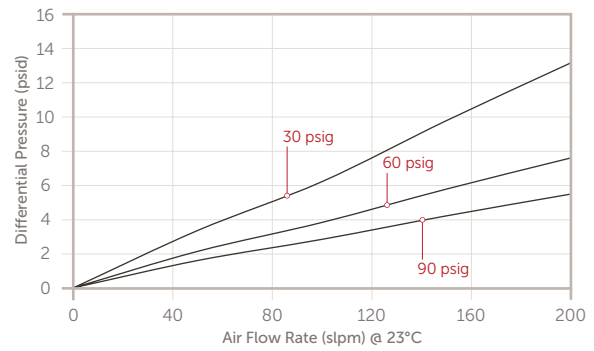


PERFORMANCE DATA

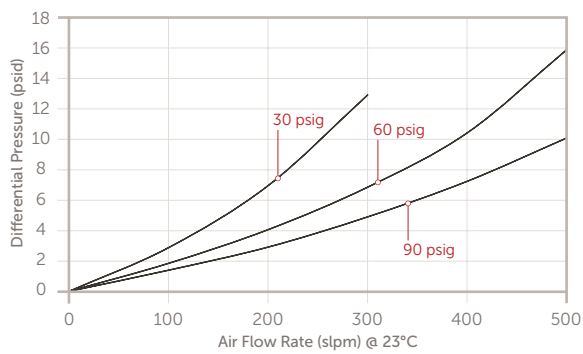
Wafergard II SF 3XP Mini Gas Filter – ¼" WG2L200SS3R2



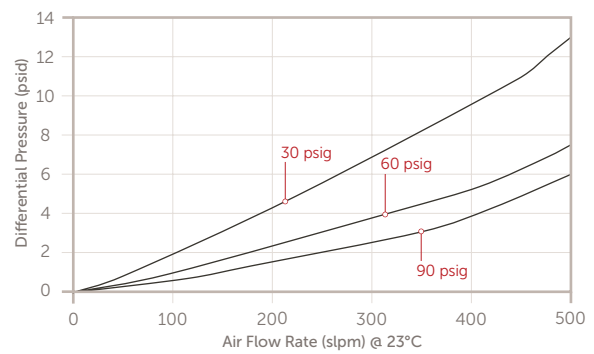
Wafergard II SF 3XP Mini Gas Filter – ½" WG2L200SS3R4



Wafergard II SF 3XP Mini XL Gas Filter – ¼" WG2L500SS5R2



Wafergard II SF 3XP Mini XL Gas Filter – ½" WG2L500SS5R4



ORDERING INFORMATION

Part number	Form factor	Connection	Overall length
WG2L200SS3R2	Mini	¼" gasket seal (¼" VCR® compatible)	84 mm (3.31")
WG2L200SS3R4	Mini	½" gasket seal (½" VCR compatible)	94 mm (3.70")
WG2L500SS5R2	Mini XL	¼" gasket seal (¼" VCR compatible)	126.9 mm (5.00")
WG2L500SS5R4	Mini XL	½" gasket seal (½" VCR compatible)	133.5 mm (5.26")

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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