



CHAMBERGARD™ II SF 3XP MINI XL DIFFUSERS

*High volume throughput and
rapid venting to atmosphere*

Overview

Entegris' Chambergard™ II SF 3XP Mini XL diffusers are all 316L stainless steel construction and designed for reliably increasing system throughput by minimizing load lock vent cycle time. A high-flow 316L stainless steel membrane provides rapid venting to atmosphere without disturbing or adding particles into the chamber for load lock chambers and transfer chambers of PVD, dry etching and CVD tools for flat panel display and photovoltaic industries. All 316L stainless steel construction is suitable for process gas and high-temperature gas applications.



Features and Benefits

- High-flow, high-retention stainless steel diffusers decrease the number of diffusers in the chamber to achieve cost reduction
- Rapid venting to atmosphere decreases cycle time and increases throughput
- Removal of particles greater than 0.003 μm from incoming gas minimizes defects on wafers

Specifications

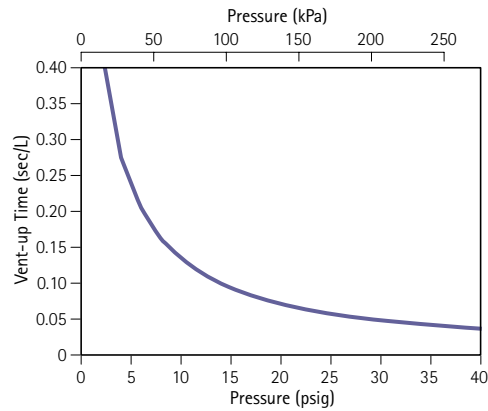
Materials:	Membrane, fitting	316L stainless steel
Removal rating:	$\geq 99.99999\%$ removal of $\geq 0.003 \mu\text{m}$ particles in gas @ 200 SLM	
Downstream cleanliness:	Cleanliness < 0.03 particles/L $> 0.01 \mu\text{m}$	
Maximum differential pressure: ¹	5 bar (73 psid)	
Maximum operating temperature: ²	460°C (860°F)	
Warranty:	5 year or 1,000,000 cycles ³	

¹at room temperature and in inert gases

²in inert gases

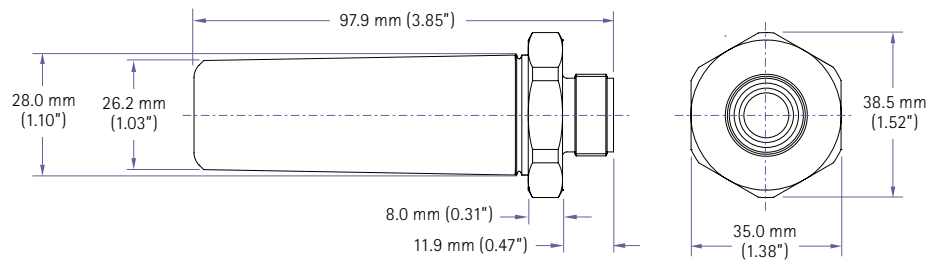
³at room temperature, in inert gases and differential pressure ≤ 5 bar

Performance Data



Dimensions

Chambergard II SF 3XP



Ordering Information

Part Number	Connections
CG2STB078S2	1/2" Compression seal (1/2" Swagelok® compatible)

*Nut and front/back ferrules are not enclosed.
Please contact Entegris for other types of fittings.*

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.

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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

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