



## Gasket-Sert™ PSP Filter 1 1/8" W-seal



### Description

The Gasket-Sert PSP W-seal filter is designed to protect major components of gas panels in semiconductor gas

distribution systems. The W-seal gasket is easy to install into any system that uses W-seal-type components.

### Specifications

#### Wetted Materials

- Medium: 316L stainless steel (filter and gasket)

#### Removal Rating<sup>1</sup>

- $\geq 0.4 \mu\text{m}$  at 99.9% efficiency

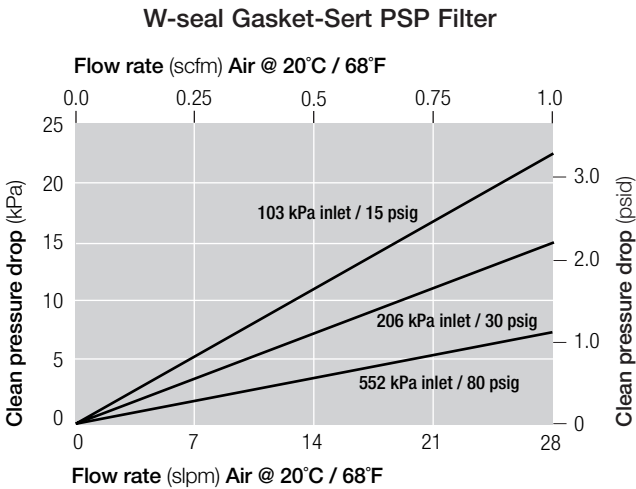
#### Operating Conditions

- Maximum operating temperature  
Inert gases: 300°C / 572°F  
Anhydrous corrosive gases: 30°C / 86°F
- Maximum differential pressure  
Inside out:  
0.7 MPa at 38°C / 100 psid at 100°F  
Outside in:  
1.4 MPa at 38°C / 200 psid at 100°F

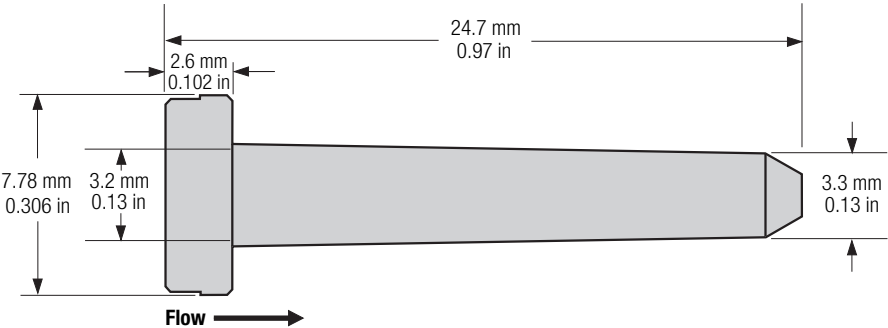
<sup>1</sup> Particle rating is based on laboratory testing with NaCl aerosol.

Feature	Benefit	Value
Welded to W-seal gasket	Filter can replace any W-seal gasket	Lower installation cost
Contains alignment retainer	Easy installation into system with minimal operator handling	Lower labor cost
All stainless steel construction	Broad compatibility with semiconductor process gases	Long service life
No housing required	No hold-up volume and zero gas displacement	Faster start-up time
Cleanroom packaged	High level of cleanliness	Faster start-up time
0.4 $\mu\text{m}$ particle removal rating	Filter protects critical components such as regulators and MFCs	Lower cost of ownership
Low differential pressure	High flow rates with minimal flow restriction	Long service life

Pressure Drop vs. Gas Flow Rate



Dimensions



Part Numbers / Ordering Information

Part Number	Wetted Materials of Construction	Fitting Type
CNF1104UPSG2	All 316L stainless steel	1 1/8" W-seal gasket

Unit conversion: 100 kilopascals = 1 bar