Gasket-Sert™ Filter

Description

The Gasket-Sert™ filter is designed to protect major components of gas panels employed in semiconductor gas distribution systems.

Features & Benefits

- True in-line design and easy installation
- Fits in place of standard ¼" VCR Gasket
- Available in 316L Stainless Steel or Hastelloy C-22
- Gasket material Nickel 200
- Broad compatibility with process gases
- Low differential pressure
- All metal construction
- Dried with high purity nitrogen
- Cleanroom packaged
- No particle contribution above background
- No housing required
- Retrofit of existing panels without reconfiguring of systems
- Zero displacement
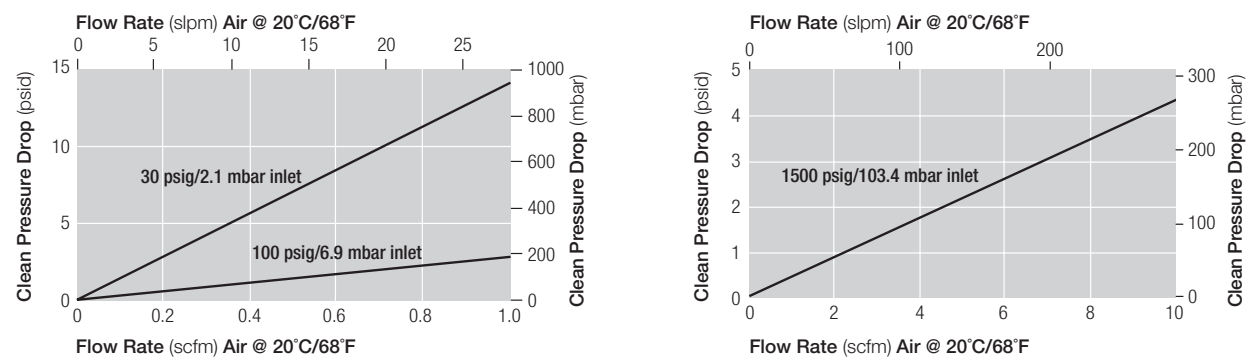- Protection for regulators and MFCs
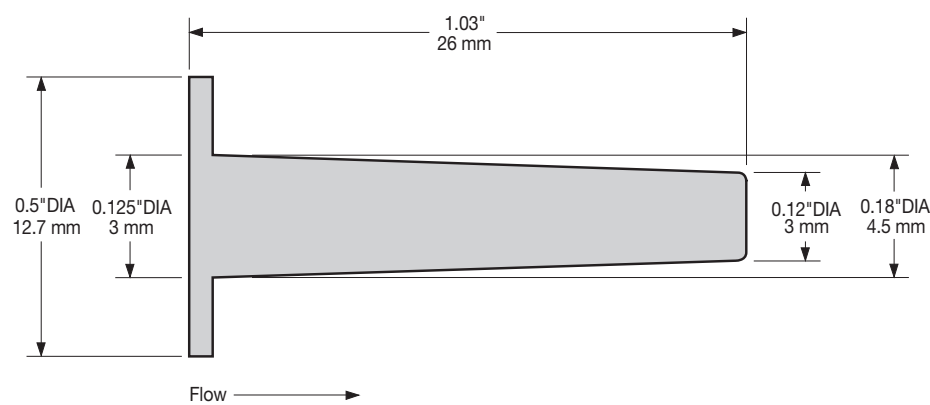
Product shown larger than actual size

Specifications

Materials	Medium	316L Stainless Steel or Hastelloy C-22	
	Gasket	Nickel 200	
Removal Rating		≥ 0.4 µm	
Recommended Flow Range		0-10 SCFM / 0-280 slpm	
Maximum Operating Temperature	Non-Corrosive Gases	840 °F / 450 °C	
	Corrosive Gases	70 °F / 21 °C	
Maximum Differential Pressure	316L Stainless Steel	400 psid @ 840 °F / 27 bar @ 450 °C 750 psid @ 100 °F / 52 bar @ 38 °C	
	Hastelloy C-22	500 psid @ 100 °F / 34 bar @ 38 °C	

Pressure Drop vs. Gas Flow Rate

Dimensions

Flow ⟶

Part Numbers / Ordering Information

Part Number	Material of Construction	Fitting Type
CNL3004VNG4	316L Stainless Steel Media, Nickel 200 Gasket	¼" VCR
CNC3004VNG4R	Hastelloy C-22 Media, Nickel 200 Gasket	¼" VCR

Unit conversion: 1 bar = 100 kilopascals