

GasShield® Nickel and Stainless Steel GasketFilters



Fits Inside 1/4" Face Seal Fittings

- Porous Metal media are nickel or 316LSS for complete compatibility with most inert and specialty gases.
- Allows integration of gas filter without adding length to gas system.
- Parts-per-trillion moisture levels achievable.
- Retains particles down to 0.003 µm.
- Minimized total surface area.
- All-metal, all-welded design.
- No particulate shedding.

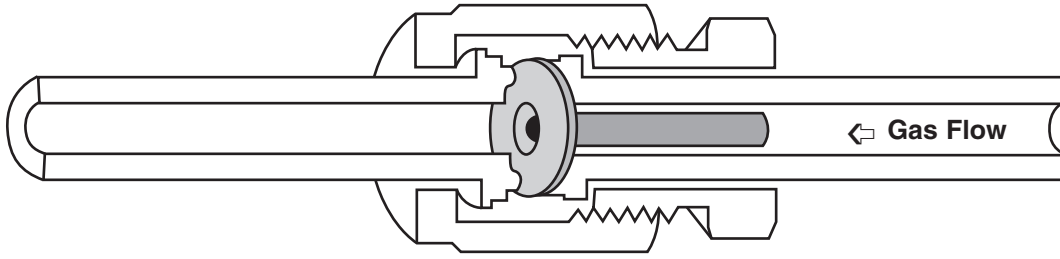
Nickel Specifications

Catalog Number	GSG-V4-1-N	GSG-V4-3-N	GSG-V4-1-2
Rated Flow	1 SLPM	3 SLPM	20 SLPM
Retention (at rated flow)	Greater than 99.9999999 (9 log) removal of all particles down to 0.003; µm confirmed at the most penetrating particle size of 0.08 µm.		0.4 µm nominal
Material	Nickel	Nickel	Nickel
Face Seal Gasket Size	1/4 inch	1/4 inch	1/4 inch
Element Length (nominal)	1 inch	3 inch	1 inch
Maximum Differential Pressure (20°C)	1000 psid Forward or Reverse	1000 psid Forward or Reverse	1000 psid Forward or Reverse
Maximum Recommended Operating Temperature	450°C (Inert Gas)	450°C (Inert Gas)	450°C (Inert Gas)
Changeout Interval	System Dependent	System Dependent	System Dependent

Stainless Steel Specifications

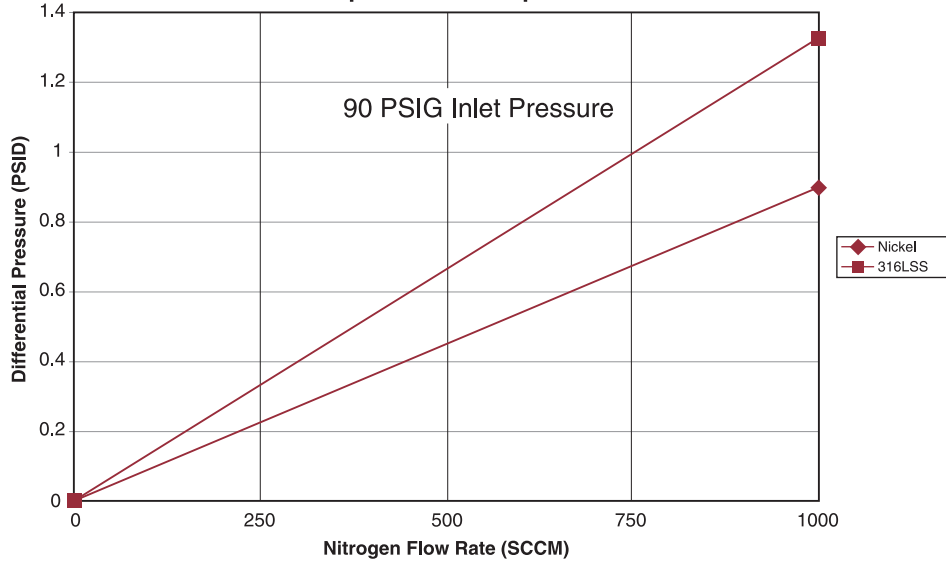
Catalog Number	GSG-V4-1-S	GSG-V4-3-S	GSG-V4-1-2S
Rated Flow	1 SLPM	3 SLPM	20 SLPM
Retention (at rated flow)	Greater than 99.9999999 (9 log) removal of all particles down to 0.003; µm confirmed at the most penetrating particle size of 0.08 µm.		0.4 µm nominal
Material	316LSS	316LSS	316LSS
Face Seal Gasket Size	1/4 inch	1/4 inch	1/4 inch
Element Length (nominal)	1 inch	3 inch	1 inch
Maximum Differential Pressure (20°C)	1000 psid Forward or Reverse	1000 psid Forward or Reverse	1000 psid Forward or Reverse
Maximum Recommended Operating Temperature	450°C (Inert Gas)	450°C (Inert Gas)	450°C (Inert Gas)
Changeout Interval	System Dependent	System Dependent	System Dependent

Typical Installation

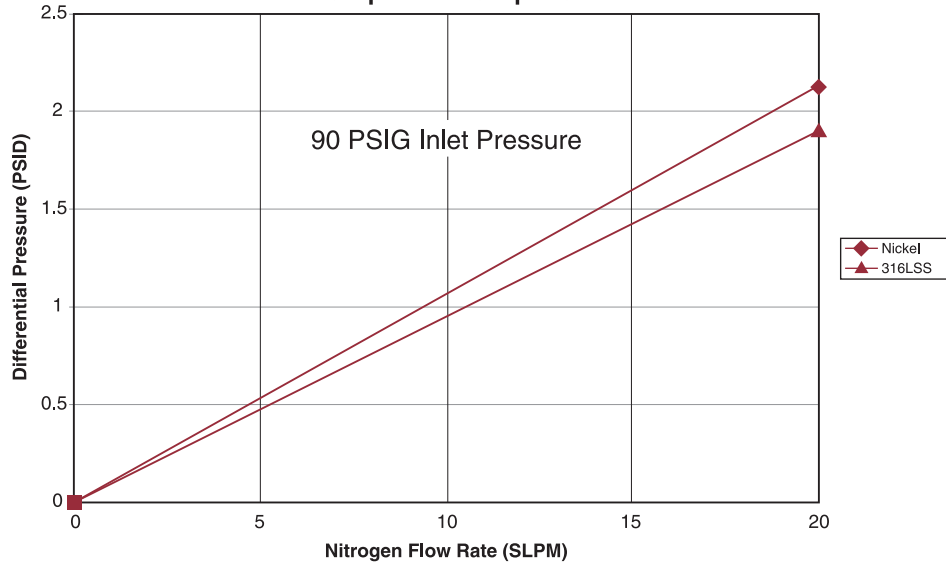


Flow Versus Differential Pressure

**Nitrogen Flow Rate Vs. Differential Pressure
Mott Corporation 0.003 µm Gasket Filters**



**Nitrogen Flow Rate Vs. Differential Pressure
Mott Corporation 0.4 µm Gasket Filters**



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ISO 9001:2000 CERTIFIED
 HPGASKET Rev 2 0707 1M