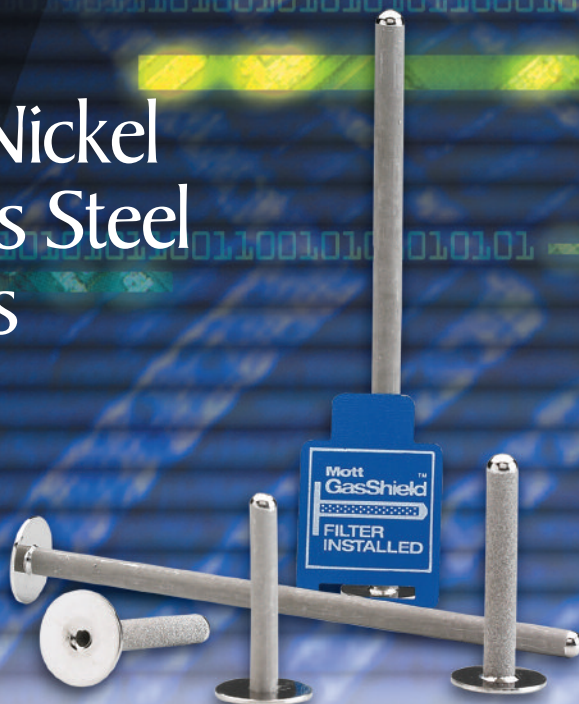


GasShield® Nickel and Stainless Steel GasketFilters



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.

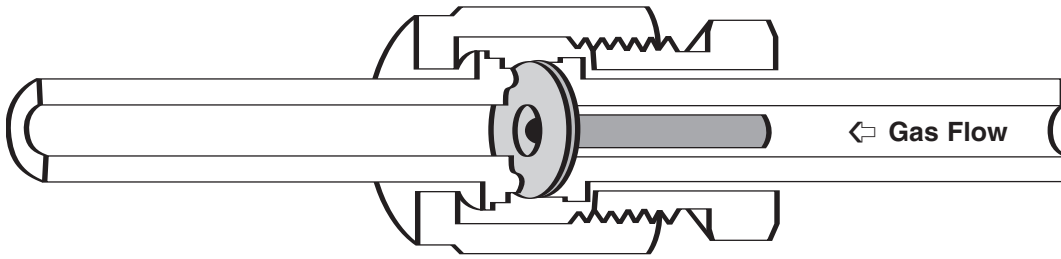
Nickel Specifications

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

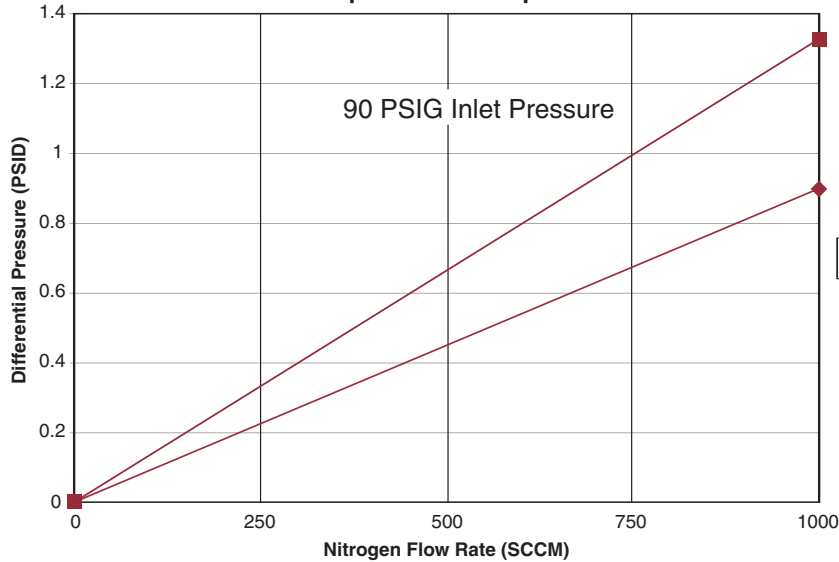
Catalog Number	GSG-V4-1-S	GSG-V4-3-S	GSG-V4-1-2S
Rated Flow	1 SLPM	3 SLPM	20 SLPM
Retention (at rated flow)	Greater than 99.9999999 (9 log) removal of all particles down to 0.003 µm confirmed at the most penetrating particle size of 0.08 µm.		0.4 µm nominal
Material	316LSS	316LSS	316LSS
Face Seal Gasket 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

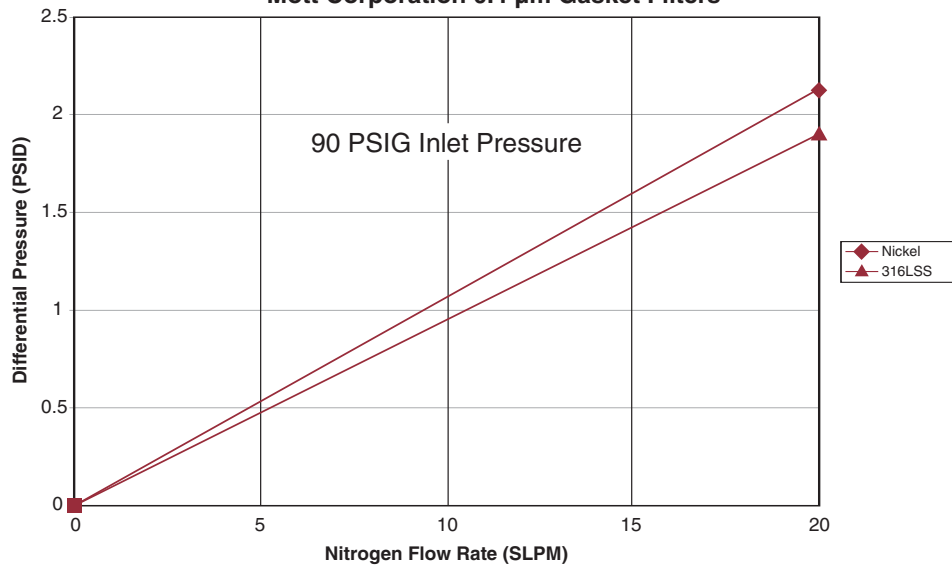


Flow Versus Differential Pressure

Nitrogen Flow Rate Vs. Differential Pressure
Mott Corporation 0.003 μ m Gasket Filters



Nitrogen Flow Rate Vs. Differential Pressure
Mott Corporation 0.4 μ m Gasket Filters



www.mottcorp.com

mott corporation

84 Spring Lane, Farmington, CT 06032-3159

860-747-6333 Fax 860-747-6739

www.mottcorp.com



ISO 9001:2008 CERTIFIED

HPGASKET 1105 2M