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Mini-Gaskleen® 3000 Series Assembly



Description

The Mini-Gaskleen in-line assembly is designed for small flow point-of-use gas filtration applications.

- 316L stainless steel electropolished housing
- All fluoropolymer element
- Wide range of chemical compatibility
- High temperature and pressure capabilities
- Wide variety of fitting options
- Compact size (< 1"/25 mm dia.) for ease of installation
- 100% integrity tested
- Cleanroom manufactured and packaged
- 100% helium leak tested

Specifications

Materials

- Electropolished 316L stainless steel housing
- 20 in R_a internal surface finish
- All fluoropolymer element
  Medium: PTFE (double layer)
  Core: PFA
  O-ring: Teflon encapsulated Viton

Removal Rating

- 0.003 µm

Filter Area

- 13.5 cm/0.015 ft

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Connections

- 1/4" Gasket seal (VCR compatible)
- 1/4" Compression seal (Swagelok compatible)
- 9/16" MFC Fitting 18 UNF
- 1/4" O-ring Seal (VCO compatible)

Operating Conditions

- Maximum Operating Pressure:
  3000 psig @ 250F/207 bar @ 120C
- Maximum Forward Differential Pressure:
  80 psid @ 250F/5.5 bar @ 120C
- Maximum Reverse Differential Pressure:
  50 psid @ 70F/3.4 bar @ 21C

Leak Rating

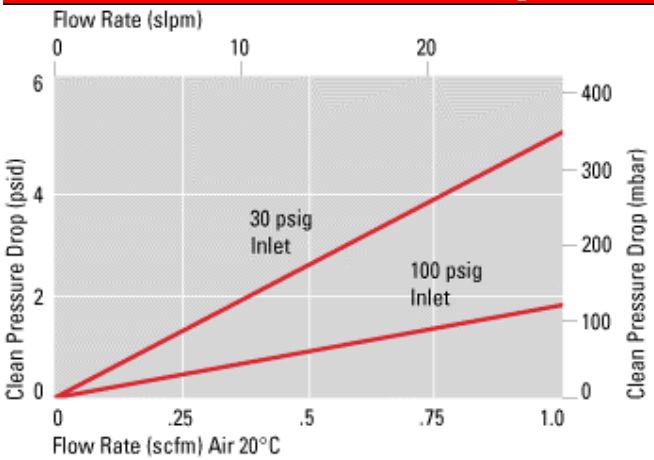
- 100% helium leak tested to 10^{-9} atm cc/sec
- Design validated to 2x10 atm cc/sec

Packaging

- Double bagged
- Outer bag: aluminized mylar
- Inner bag: polyethylene
- N purged

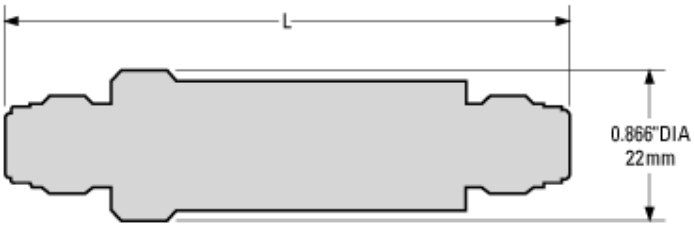
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Pressure Drop vs. Gas Flow Rate



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Dimensions



Part Number Information

Part Number	Description	Length (L) (in / mm)
GLFPF3000VMM4	1/4" Gasket Seal, Male Inlet/Outlet (VCR Compatible)	3.31 / 84
GLFPF3000SM4	1/4" Compression Seal, Male Inlet/Outlet (Swagelok Compatible)	2.88 / 73
GLFPF3000MFC9	MFC Fitting, 1/4" Gasket Seal, Male Inlet/3/8" Male Boss Seal Outlet	3.05 / 77.5
GLFPF3000VO4	1/4" O-ring Seal, Male Inlet/Outlet (VCO Compatible)	3.00 / 76
GLFPF3000VFM4	1/4" Gasket Seal, Female Inlet/Male Outlet (VCR Compatible)	3.47 / 88
GLFPF3000VMF4	1/4" Gasket Seal, Male Inlet/Female Outlet (VCR Compatible)	3.94 /100