



Gaskleen® 6101 Series Filter Assembly



Description

The Gaskleen® 6101 Series Filter Assembly is designed for 3 nanometer (0.003 μm) filtration of process gases.

- 316L stainless steel electropolished housing
- Emflon® PTFE element
- Available in both standard and shortened version
- Wide variety of fitting options available
- Compact size (2.2"/56mm dia.) for ease of installation
- 100% integrity tested
- Cleanroom manufactured and packaged
- 100% helium leak tested

Specifications

Materials

- Electropolished 316L stainless steel housing
- 25 μin / 0.64 μm R_a internal surface finish
- Emflon element: 100% integrity tested
Media: PTFE
Core and end caps: Polypropylene
O-ring: Teflon¹ encapsulated Viton¹

Removal Rating

- 0.003 μm

Filter Area

- 464 cm^2 / 0.5 ft^2

Connections

- 1/4" Gasket Seal, Male (VCR² or compatible)
- 1/4" Compression Seal (Swagelok² or compatible)
- 3/8" Gasket Seal, Male (VCR or compatible)
- 3/8" Compression Seal (Swagelok or compatible)
- 1/4" Female pipe thread

Operating Conditions

- Maximum Operating Pressure: 750 psig @ 176°F/52 bar @ 80°C
- Maximum Forward Differential Pressure: 100 psid @ 70°F/7 bar @ 21°C
- Maximum Reverse Differential Pressure: 50 psid @ 70°F/3.4 bar @ 21°C

Leak Rating

- 100% helium leak tested to 10⁻⁷ atm·cm³/s
- Design validated to 10⁻⁹ atm·cm³/s

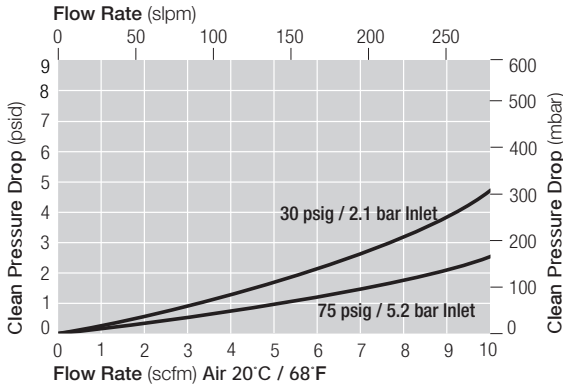
Packaging

- Double bagged
- Outer bag: aluminized mylar
- Inner bag: polyethylene
- N₂ purged

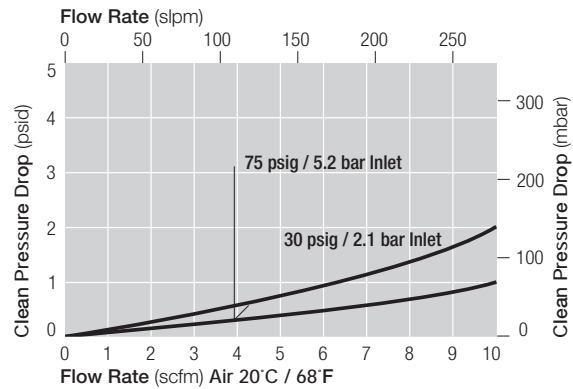
¹ Teflon and Viton are trademarks of DuPont Dow Elastomers

² VCR and Swagelok are trademarks of Swagelok Co.

Pressure Drop vs. Gas Flow Rate

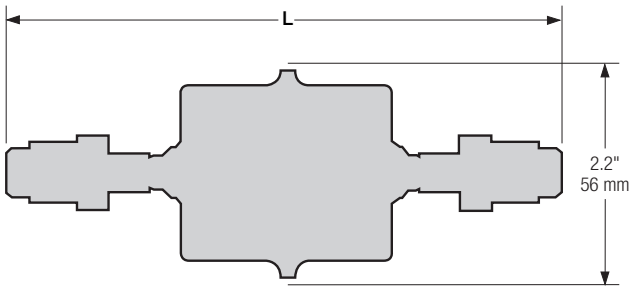


Connection Size: 1/4"



Connection Size: 3/8"

Dimensions



Part Numbers / Ordering Information

Part Number	Description	Length (L) (in / mm)
GLF6101VM4	Gaskleen, 1/4" Gasket Seal (VCR or Compatible) Male/Male	5.56 / 141
GLF6101VM6/8	Gaskleen, 3/8" Gasket Seal (VCR or Compatible) Male/Male	5.81 / 148
GLF6101VFM4	Gaskleen, 1/4" Gasket Seal (VCR or Compatible) Female/Male	5.81 / 148
GLF6101SM4S	Gaskleen, 1/4" Compression Seal (Swagelok or Compatible) Male/Male	5.56 / 141
GLF6101SM6S	Gaskleen, 3/8" Compression Seal (Swagelok or Compatible) Male/Male	5.81 / 147
GLF6101SM8	Gaskleen, 1/2" Compression Seal (Swagelok or Compatible) Male/Male	4.38 / 111
GLF6101FP4	Gaskleen 1/4" Female NPT	5.19 / 132
SGLF6101VM4M	Short Gaskleen, 1/4" Gasket Seal (VCR or Compatible) Male/Male	5.00 / 127
SGLF6101VM4	Short Gaskleen, 1/4" Gasket Seal (VCR or Compatible) Male/Male	4.94 / 126
SGLF6101VM6/8M	Short Gaskleen, 3/8" Gasket Seal (VCR or Compatible) Male/Male	5.00 / 127
SGLF6101SM4S	Short Gaskleen, 1/4" Compression Seal (Swagelok or Compatible) Male/Male	4.19 / 106
SGLF6101SM6S	Short Gaskleen, 3/8" Compression Seal (Swagelok or Compatible) Male/Male	5.00 / 127

Unit conversion: 1 bar = 100 kilopascals



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