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Find the *Pall / Gaskleen GLF6101SM4S* at our website: *Click HERE*

PALL Microelectronics

# 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: Teflon[1] encapsulated Viton[1]

### Removal Rating

- ≥ 0.003 µm

### Filter Area

- 464 $cm^2$ / 0.5 $ft^2$

### Connections

- ¼" Gasket Seal, Male (VCR[2] or compatible)
- ¼" Compression Seal (Swagelok[2] or compatible)
- ⅜" Gasket Seal, Male (VCR or compatible)
- ⅜" Compression Seal (Swagelok or compatible)
- ¼" 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·$cm^3$/s
- Design validated to $10^{-9}$ atm·$cm^3$/s

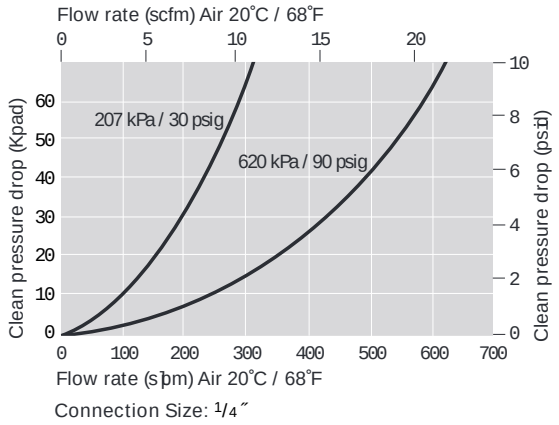
### Packaging

- Double bagged
- Outer bag: aluminized mylar
- Inner bag: polyethylene
- $N_2$ purged

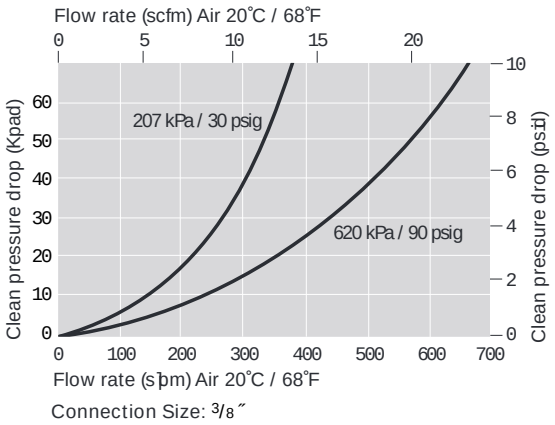
[1] Teflon and Viton are trademarks of DuPont Dow Elastomers
[2] VCR and Swagelok are trademarks of Swagelok Co.

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## Pressure Drop vs. Gas Flow Rate

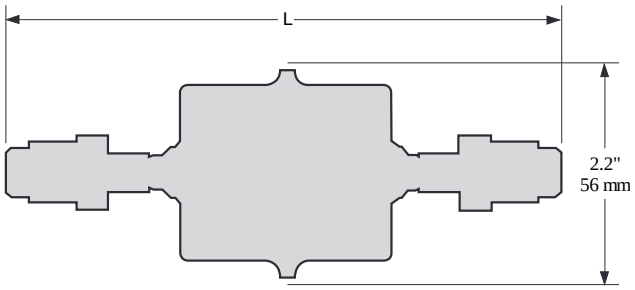



Connection Size: 1/4″




Connection Size: 3/8″

## Dimensions




## Part Numbers / Ordering Information

| Part Number | Description | Length (L) (in / mm) |
|---|---|---|
| GLF6101VM4 | Gaskleen, ¼" Gasket Seal (VCR or Compatible) Male/Male | 5.56 / 141 |
| GLF6101VM6/8 | Gaskleen, ⅜" Gasket Seal (VCR or Compatible) Male/Male | 5.81 / 148 |
| GLF6101VFM4 | Gaskleen, ¼" Gasket Seal (VCR or Compatible) Female/Male | 5.81 / 148 |
| GLF6101SM4S | Gaskleen, ¼" Compression Seal (Swagelok or Compatible) Male/Male | 5.56 / 141 |
| GLF6101SM6S | Gaskleen, ⅜" Compression Seal (Swagelok or Compatible) Male/Male | 5.81 / 147 |
| GLF6101SM8 | Gaskleen, ½" Compression Seal (Swagelok or Compatible) Male/Male | 4.38 / 111 |
| GLF6101FP4 | Gaskleen ¼" Female NPT | 5.19 / 132 |
| SGLF6101VM4M | Short Gaskleen, ¼" Gasket Seal (VCR or Compatible) Male/Male | 5.00 / 127 |
| SGLF6101VM4 | Short Gaskleen, ¼" Gasket Seal (VCR or Compatible) Male/Male | 4.94 / 126 |
| SGLF6101VM6/8M | Short Gaskleen, ⅜" Gasket Seal (VCR or Compatible) Male/Male | 5.00 / 127 |
| SGLF6101SM4S | Short Gaskleen, ¼" Compression Seal (Swagelok or Compatible) Male/Male | 4.19 / 106 |
| SGLF6101SM6S | Short Gaskleen, ⅜" Compression Seal (Swagelok or Compatible) Male/Male | 5.00 / 127 |

Unit conversion: 1 bar = 100 kilopascals

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