

# Gaskleen® 6101 Series Filter Assembly (1.5 nm)



Data Sheet MEGK61ENa

## Description

The Gaskleen® 6101 Series Filter Assembly is designed for  $\geq 1.5$  nanometer (0.0015  $\mu\text{m}$ ) filtration of process gases.

## Features & Benefits

- 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



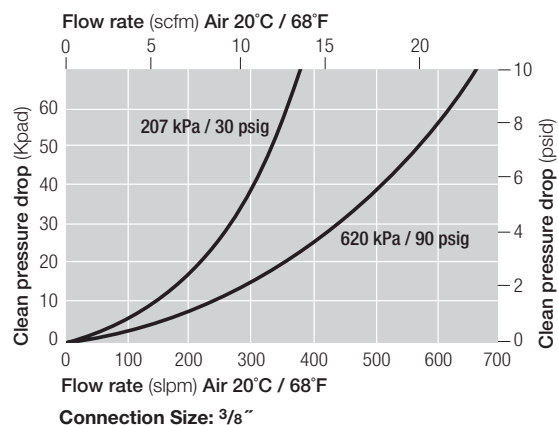
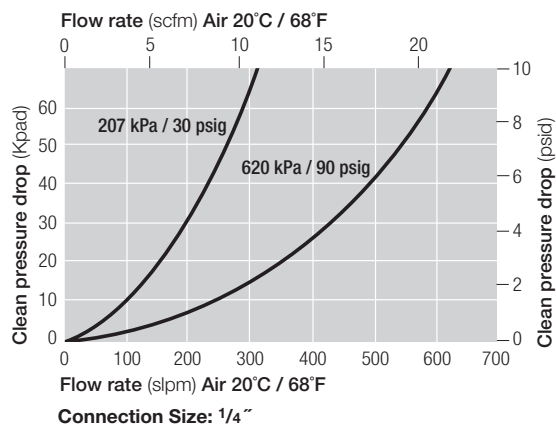
## Specifications

Filter Medium	PTFE
Core and End Caps	Polypropylene
O-ring	FEP encapsulated fluoroelastomer
Internal Surface Finish	25 $\mu\text{in}$ / 0.64 $\mu\text{m}$ R <sub>a</sub>
Housing	Electropolished 316L stainless steel
Removal Rating	$\geq 1.5$ nm
Filter Area	$< 464$ cm <sup>2</sup> / 0.5 ft <sup>2</sup>
Connections	1/4" Gasket Seal, Male (VCR <sup>1</sup> or compatible)
	1/4" Compression Seal (Swagelok <sup>1</sup> or compatible)
	3/8" Gasket Seal, Male (VCR or compatible)
	3/8" Compression Seal (Swagelok or compatible)
	1/4" Female pipe thread

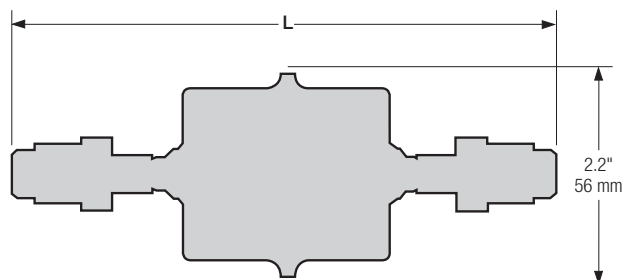
Leak Rating	100% helium leak tested to $10^{-7}$ atm·cm <sup>3</sup> /s
	Design validated to $10^{-9}$ atm·cm <sup>3</sup> /s
Maximum Operating Pressure	750 psig @ 176 °F / 52 bar @ 80 °C
Maximum Forward Differential Pressure	100 psid @ 70 °F / 7 bar @ 21 °C
Maximum Reverse Differential Pressure	50 psid @ 70 °F / 3.4 bar @ 21 °C
Packaging	Double bagged
	Outer bag: aluminized mylar
	Inner bag: polyethylene
EU Pressure Equipment Directive	N <sub>2</sub> purged
	Assemblies have been evaluated and designed using SEP per the European Union's Pressure Equipment Directive 2014/68/EU and are not CE marked.

<sup>1</sup> VCR and Swagelok are trademarks of Swagelok Co.

## Pressure Drop vs. Gas Flow Rate



## 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" or 1/2" 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" or 1/2" 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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