

# Gaskleen® 6101 Series Filter Assembly



Data Sheet MEGK61EN

## Description

The Gaskleen® 6101 Series Filter Assembly is designed for  $\geq 3$  nanometer ( $0.003 \mu\text{m}$ ) 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



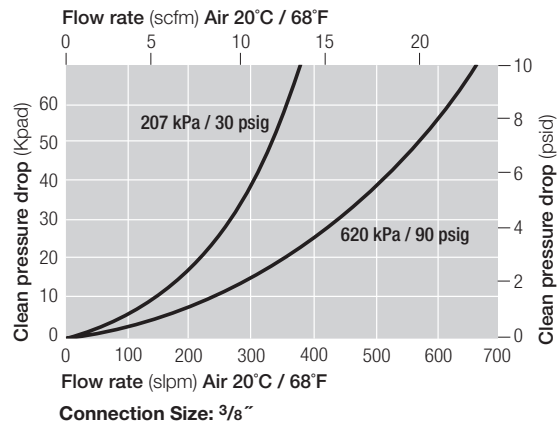
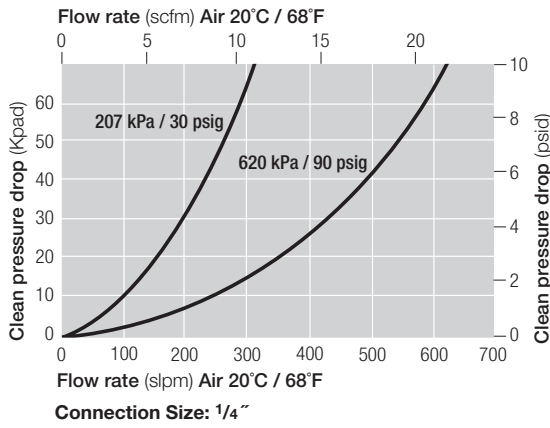
## Specifications

<b>Filter Medium</b>	PTFE
<b>Core and end caps</b>	Polypropylene
<b>O-ring</b>	FEP encapsulated fluoroelastomer
<b>internal surface finish</b>	$\leq 25 \mu\text{in} / 0.64 \mu\text{m} R_a$
<b>Housing</b>	Electropolished 316L stainless steel Housing material meets or exceeds VIM / VAR specifications
<b>Removal Rating</b>	$\geq 3 \text{ nm}$
<b>Filter Area</b>	$< 464 \text{ cm}^2 / 0.5 \text{ ft}^2$
<b>Connections</b>	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

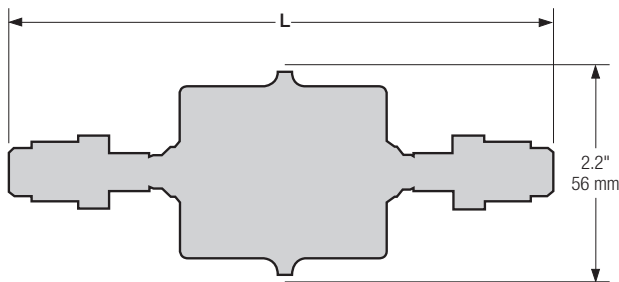
<b>Leak Rating</b>	100% helium leak tested to $10^{-7} \text{ atm}\cdot\text{cm}^3/\text{s}$
	Design validated to $10^{-9} \text{ atm}\cdot\text{cm}^3/\text{s}$
<b>Maximum Operating Pressure</b>	750 psig @ 176 °F / 52 bar @ 80 °C
<b>Maximum Forward Differential Pressure</b>	100 psid @ 70 °F / 7 bar @ 21 °C
<b>Maximum Reverse Differential Pressure</b>	50 psid @ 70 °F / 3.4 bar @ 21 °C
<b>Packaging</b>	Double bagged
	Outer bag: aluminized mylar
	Inner bag: polyethylene
	N <sub>2</sub> purged

<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" 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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