

# PFA Gaskleen® 6101 Series Filter Assembly (1.5 nm)



Data Sheet MEPGK61ENa

## Description

The PFA-Gaskleen® 6101 Series Filter Assembly is specifically designed for  $\geq 1.5$  nanometer ( $0.0015 \mu\text{m}$ ) filtration of oxygen and specialty gases.

## Features & Benefits

- 316L stainless steel electropolished housing
- All fluoropolymer element
- Wide range of chemical compatibility
- High temperature and pressure capabilities
- Available in both standard and shortened version
- Wide variety of fitting options available
- Compact size (2.2" / 56 mm dia.) for ease of installation
- 100% integrity tested
- Cleanroom manufactured and packaged
- 100% helium leak tested



## Specifications

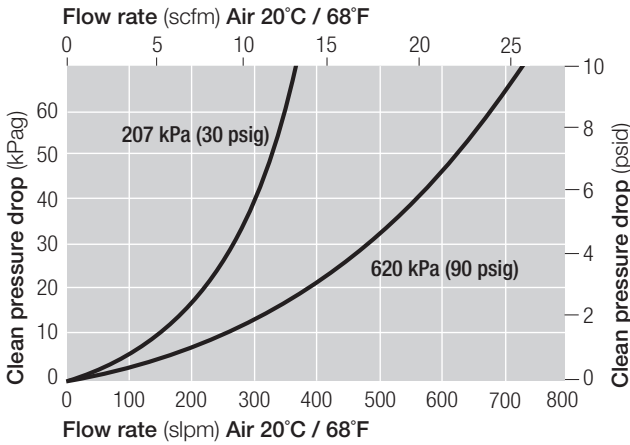
Filter Medium	PTFE
Core and End Caps	PFA 440HP
O-ring	FEP encapsulated fluoroelastomer
Internal Surface Finish	$\leq 25 \mu\text{in}$ / $0.64 \mu\text{m R}_a$
Housing	Electropolished 316L stainless steel
Removal Rating	$\geq 1.5 \text{ nm}$
Filter Area	$< 232 \text{ cm}^2$ / $0.25 \text{ ft}^2$
Connections	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)

Leak Rating	100% helium leak tested to $10^{-7} \text{ atm}\cdot\text{cm}^3/\text{s}$
	Design validated to $10^{-9} \text{ atm}\cdot\text{cm}^3/\text{s}$
Maximum Operating Pressure	5200 kPa @ 121 °C / 750 psig @ 250 °F
Maximum Forward Differential Pressure	700 kPa @ 21 °C / 100 psid @ 70 °F
Maximum Reverse Differential Pressure	340 kPa @ 21 °C / 50 psid @ 70 °F
Packaging	Double bagged
	Outer bag: aluminized mylar
	Inner bag: polyethylene
	N <sub>2</sub> purged
EU Pressure Equipment Directive	Assemblies have been evaluated and designed using SEP per the European Union's Pressure Equipment Directive 2014/68/EU and are not CE marked.

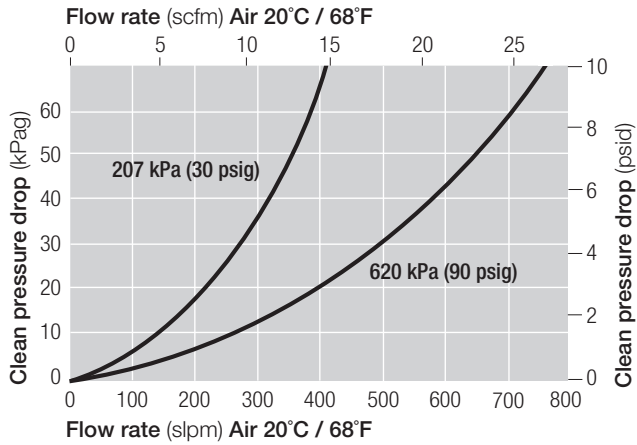
<sup>1</sup> VCR and Swagelok are trademarks of Swagelok Co.

Pressure Drop vs. Gas Flow Rate

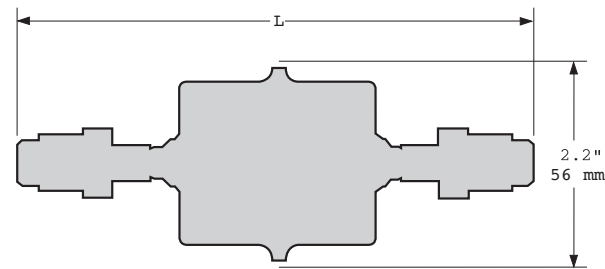
Connection Size: 1/4"



Connection Size: 3/8"



Dimensions



Part Numbers / Ordering Information

Part Number	Description	Length (L) (in / mm)
GLFPF6101VM4	PFA Gaskleen : 1/4" Gasket Seal (VCR or Compatible) Male / Male	5.56 / 141
GLFPF6101SM4S	PFA Gaskleen : 1/4" Compression Seal (Swagelok or Compatible) Male / Male	5.56 / 141
GLFPF6101SM6S	PFA Gaskleen : 3/8" Compression Seal (Swagelok or Compatible) Male / Male	5.81 / 148
GLFPF6101VM6 / 8	PFA Gaskleen : 3/8" or 1/2" Gasket Seal (VCR or Compatible) Male / Male	5.81 / 148
SGLFPF6101VM4	Short PFA Gaskleen : 1/4" Gasket Seal (VCR or Compatible) Male / Male	4.94 / 125
SGLFPF6101VM6 / 8M	Short PFA Gaskleen : 3/8" or 1/2" Gasket Seal (VCR or Compatible) Male / Male	5.00 / 127
SGLFPF6101SM4S	Short PFA Gaskleen : 1/4" Compression Seal (Swagelok or Compatible) Male / Male	4.19 / 106

Unit conversion: 1 bar = 100 kilopascals