

Maxi Gaskleen® 8202/9202 Series Filter Assembly



Data Sheet MEMG89EN

Description

The Maxi Gaskleen filter assembly is specifically designed for ≥ 3 nanometer ($0.003 \mu\text{m}$) filtration of high flow applications. The 8202 Series assembly is designed for flow rates up to 30 scfm / 850 slpm; the 9202 Series assembly handles flow rates up to 50 scfm / 1416 slpm.

Features & Benefits

- 316L stainless steel electropolished housing
- Emflon® or Emflon PF element available
- High temperature and pressure capabilities
- Two fitting options available
- Compact size (63.5 mm / 2.5 in dia.) for ease of installation
- 100% integrity tested
- Cleanroom manufactured and packaged
- 100% helium leak tested



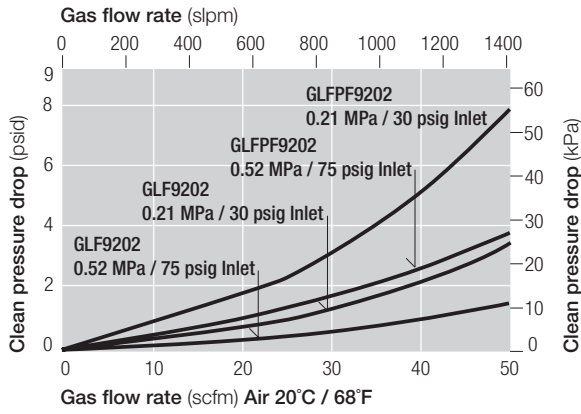
Specifications

Element Options	Emflon filter medium: PTFE Core, cage, and end caps: Polypropylene O-ring: FEP encapsulated fluoroelastomer Emflon PF filter medium: PTFE Core, cage, and end caps: PFA 440HP O-ring: FEP encapsulated fluoroelastomer
Internal surface finish	$\leq 0.25 \mu\text{in} / 10 \mu\text{in} R_a$
Housing	Electropolished 316L stainless steel Housing material meets or exceeds VIM / VAR specifications
Removal Rating	$\geq 3 \text{ nm}$
Filter Area	0.15 m ² / 1.6 ft ² per GLF8202 assembly 0.09 m ² / 1.0 ft ² per GLFPF8202 assembly 0.30 m ² / 3.2 ft ² per GLF9202 assembly 0.20 m ² / 2.1 ft ² per GLFPF9202 assembly
Connections	$\frac{1}{2}$ " Gasket seal, male (VCR or compatible) $\frac{1}{2}$ " Butt weld (1.24 mm / 0.049 in wall) $\frac{3}{4}$ " Butt weld (1.65 mm / 0.065 in wall)

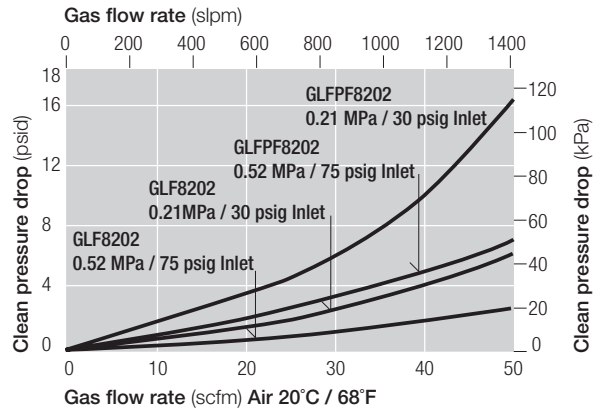
Leak Rating	100% helium leak tested to $10^{-9} \text{ atm}\cdot\text{cm}^3/\text{s}$ Design validated to $10^{-11} \text{ atm}\cdot\text{cm}^3/\text{s}$
Maximum Operating Pressure	250 psig / 17 bar
Maximum operating temperature	Emflon element 176 °F / 80 °C; Emflon PF element 250 °F / 121 °C
Maximum forward differential pressure	0.55 MPa @ 50 °C / 80 psid @ 120 °F 0.35 MPa @ 80 °C / 50 psid @ 176 °F
Maximum reverse differential pressure	0.34 MPa @ 21 °C / 50 psid @ 70 °F
Packaging	Double bagged Outer bag: aluminized mylar Inner bag: polyethylene N ₂ purged

¹ VCR is a trademarks of Swagelok Co.

Pressure Drop vs. Gas Flow Rate

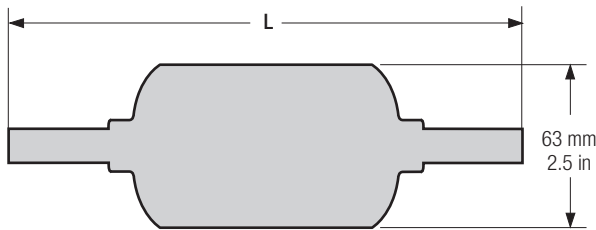


Maxi Gaskleen 9202 Series Assembly

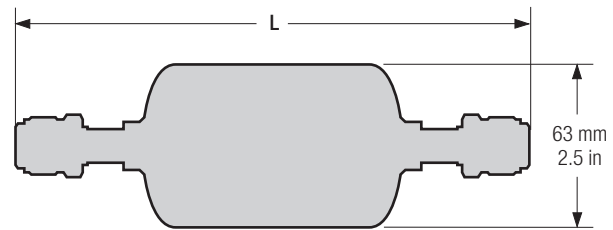


Maxi Gaskleen 8202 Series Assembly

Dimensions



Code BW8 & BW12



Code VMM8

Part Numbers / Ordering Information

Part Number	Description	Length (L) (in / mm)
GLFPF8202VMM8	Emflon PF element, 1/2" gasket seal (VCR or compatible) male / male	197 / 7.75
GLFPF8202BW8	Emflon PF element, 1/2" butt weld, 1.24 mm / 0.049 in wall	197 / 7.75
GLF8202VMM8	Emflon element, 1/2" gasket seal (VCR or compatible) male / male	197 / 7.75
GLF8202BW8	Emflon element, 1/2" butt weld, 1.24 mm / 0.049 in wall	197 / 7.75
GLFPF9202BW8	Emflon PF element, 1/2" butt weld, 1.24 mm / 0.049 in wall	295 / 11.61
GLFPF9202BW12	Emflon PF element, 3/4" butt weld, 1.65 mm / 0.065 in wall	295 / 11.61
GLFPF9202VMM8	Emflon PF element, 1/2" gasket seal (VCR or compatible) male / male	258 / 10.14
GLF9202VMM8	Emflon element, 1/2" gasket seal (VCR or compatible) male / male	258 / 10.14

Unit conversion: 1 bar = 100 kilopascals



Microelectronics

25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 800 360 7255 toll free US

Nihon Pall Ltd.

6-5-1, Nishishinjuku,
Shinjuku-ku
Tokyo 163-1325 Japan
+81 3 6901 5700 telephone
+81 3 5322 2109 fax

Visit us on the Web at www.pall.com/microelectronics
Contact us at www.pall.com/contact

Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

© Copyright 2022, Pall Corporation. Pall, are trademarks of Pall Corporation.
® Indicates a trademark registered in the USA.