

Gaskleen[®] TM Filter Assembly 1 ½ " W-Seal (1.5 nm)



Data Sheet MEGTMW2ENb

Description

Pall's Gaskleen Top Mount (TM) filter assemblies are designed for ≥ 1.5 nanometer filtration of semiconductor process gases. The top mount filter is well-suited for integrated gas delivery systems, providing easy access and change.

Features & Benefits

- Electropolished 316L stainless steel housing
- State-of-the-art 316L stainless steel filter medium
- High temperature and pressure capabilities
- Excellent gas displacement and desorption characteristics
- 100% helium leak tested
- Manufactured and packaged in a cleanroom environment
- Available with a ¼" VCR¹ port on top of assembly for a pressure gauge or other component
- Improved corrosion resistance using Pall's proprietary process



Specifications

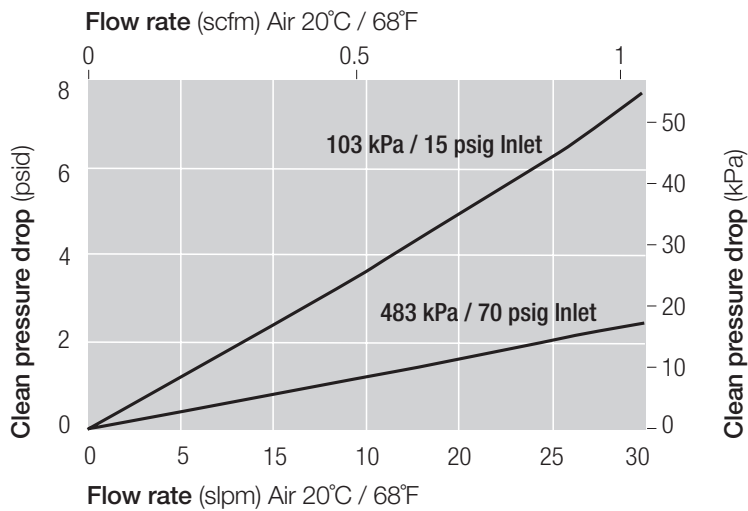
Filter Medium	316L stainless steel
Internal Surface Finish	$\leq 0.7 \mu\text{m } R_{\text{max}}$
Housing	Electropolished 316L stainless steel Housing material meets or exceeds VIM / VAR specifications
Removal Rating	$\geq 1.5 \text{ nm}$
Particle Removal Characteristics	10^9 reduction at rated flow of 5 slpm
	10^6 reduction at rated flow of 15 slpm
	10^4 reduction at rated flow of 30 slpm
Connections	W-seal, 1 ½" interface

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	0.97 MPa @ 40 °C / 140 psig @ 104 °F
Maximum Allowable Differential Pressure	0.69 MPa @ 40 °C / 100 psid @ 104 °F

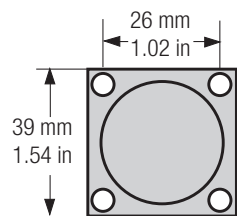
¹ VCR is a registered trademark of Swagelok Company

Pressure Drop vs. Gas Flow Rate

F3200

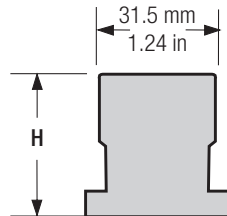


Dimensions

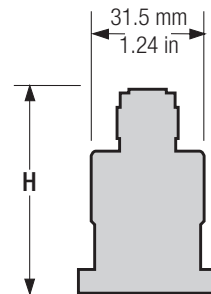


Top view

GTM-3200F4A



Side view



Side view

GTMF3200F4A-VM4

Part Numbers / Ordering Information

Part Number	Description ²	Height (H) (mm / in)	Design Flow Rate (slpm)
GTMF3200F4A	All 316L stainless steel	42 / 1.65	0-30
GTMF3200F4A-VM4	All 316L stainless steel 1/4" VCR port	60 / 2.36	0-30

² Please contact Pall Microelectronics for other configurations.