

Gaskleen[®] TM Filter Assembly

1 1/8 " W-Seal (1.5 nm)



Data Sheet MEGTMW8ENb

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 out.

Features & Benefits

- Electropolished 316L stainless steel housing
- State-of-the-art filter medium
- High temperature and pressure capabilities.
- Excellent gas displacement and desorption characteristics
- 100 % helium leak tested
- Manufactured and packaged in a cleanroom environment



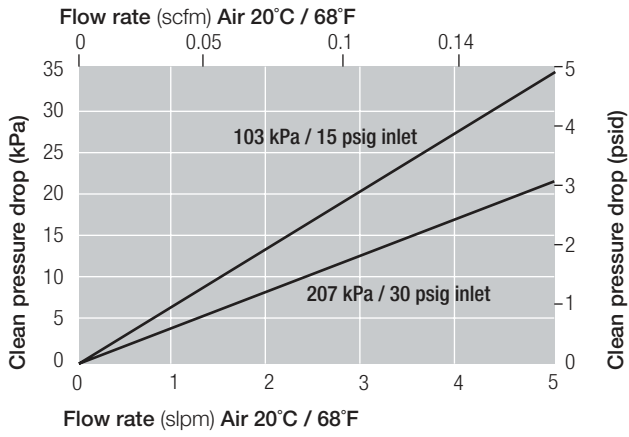
Specifications

Filter Medium	GTMF1013F4A	316L stainless steel
	GTMN1013F4A	Nickel
	GTMF3700F4A	316L stainless steel
Internal Surface Finish	$\leq 5 \mu\text{in} / 0.13 \mu\text{m} R_a$	
Housing	316L stainless steel	
	Housing material meets or exceeds VIM / VAR specifications.	
Removal Rating	$\geq 1.5 \text{ nm}$	
Particle Removal Characteristics	GTMF1013F4A	10^9 particle reduction up to 5 slpm
	GTMN1013F4A	10^9 particle reduction up to 3 slpm
	GTMF3700F4A	10^9 particle reduction up to 100 slpm
Connections	W-seal, 1 1/8" interface	

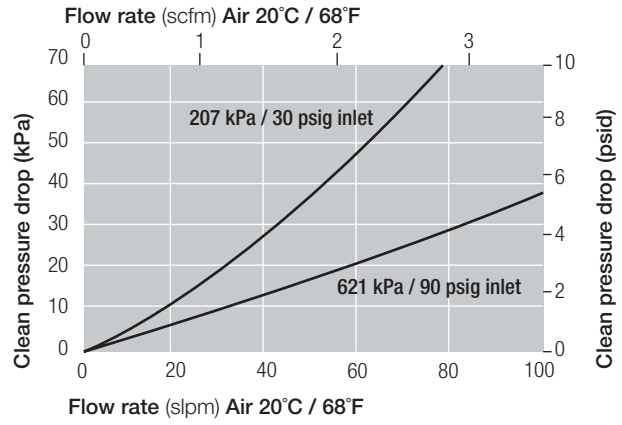
Leak Rating	100% helium leak tested to $10^{-9} \text{ atm cm}^3 / \text{sec}$ Design validated to $10^{-11} \text{ atm cm}^3 / \text{sec}$
Maximum Operating Pressure	3.4 MPa @ 100 °C / 500 psig @ 212 °F
Maximum Allowable Differential Pressure	0.69 MPa @ 40 °C / 100 psid @ 104 °F
EU Pressure Equipment 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.

Pressure Drop vs. Gas Flow Rate

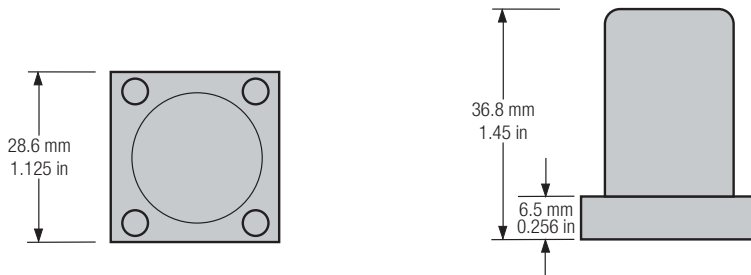
F1013



F3700



Dimensions



Part Numbers / Ordering Information

Part Number	Description	Height (H) (mm / in)	Design Flow Rate (slpm)
GTMF1013F4A	All 316 L stainless steel	36.8 / 1.45	0 – 5
GTMN1013F4A	316 L stainless steel housing Nickel filter	40.2 / 1.45	0 – 3
GTMF3700F4A	316 L stainless steel	79.3 / 3.12	0 – 100