

Gaskleen[®] TM Filter Assemblies

1 1/8" W-Seal



Data Sheet MEGTMW8ENa

Description

Pall's Gaskleen Top Mount (TM) filter assemblies are designed for ≥ 3 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

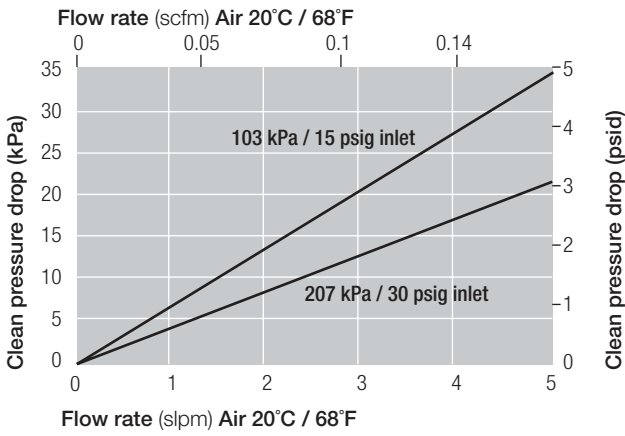


Specifications

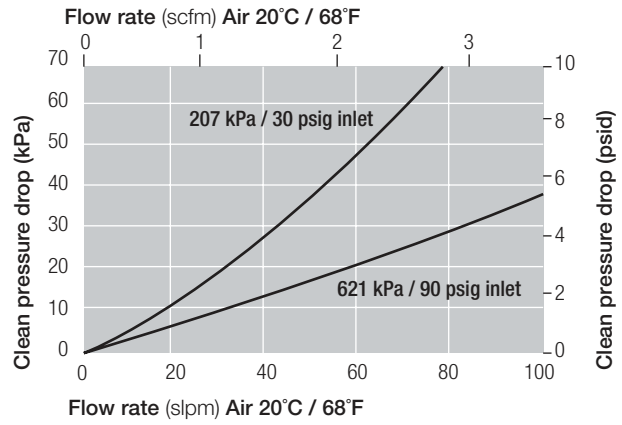
Filter Medium	GTMF1013F4A: 316L stainless steel GTMN1013F4A: Nickel GTMF3700F4A: 316L stainless steel
Internal Surface Finish	$\leq 5 \mu\text{in} / 0.13 \mu\text{m R}_a$
Housing	316L stainless steel Housing material meets or exceeds VIM/VAR specifications.

Removal Rating	$\geq 3 \text{ nm}$
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

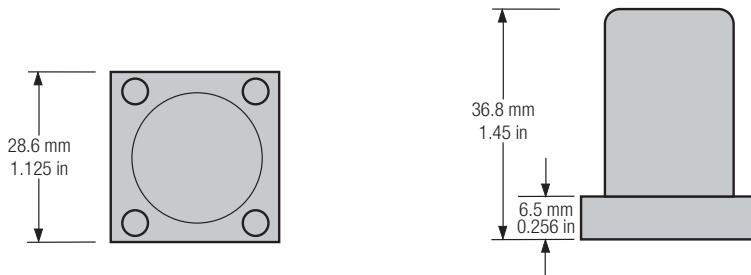


F1013



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



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

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