

GASSHIELD® POINT-OF-USE BULK FILTERS

1.5 nm FILTRATION

mott
MISSION CRITICAL PRECISION

BGF-323 - FIBER FILTER MEDIA

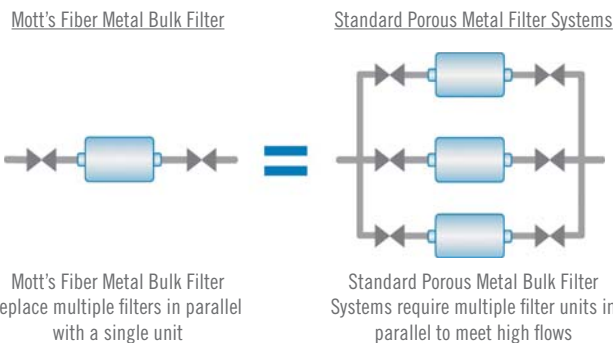
DESCRIPTION

Mott High Purity Fiber Bulk Filters provide filtration of particles down to 0.0015 μm resulting in particle-free gas. In addition, the flow versus differential pressure performance of these filters is equal or superior to the performance of competitive polymer products (refer to flow rate data on the back page). Metal filter media is typically used downstream of purification systems, cryogenic systems and air separation plants to ensure gas quality and provide protection against catastrophic particle disturbances.



APPLICATIONS

Mott provides the high-strength, all-metal solution to filtration requirements for gas flow streams at the gas pad. Mott bulk filters are ideally suited to the higher temperatures that can be encountered downstream of a purifier or during heated dry down operations.



OPERATING CONDITIONS

- » Maximum Operating Pressure: 650 psig (44.8 barg)
- » Maximum Operating Temperature for Inert Gas: 380°C (716°F)
- » Maximum Differential Pressure: 250 psid (17.2 bar)

MATERIALS

- » Hardware: 316L SS
- » Filter Medium: 316L SS Fiber
- » Wetted Hardware Surface Finish: 10 Ra, Electro-polished

SPECIFICATIONS

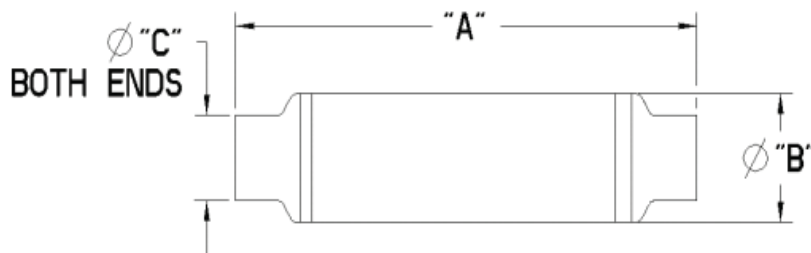
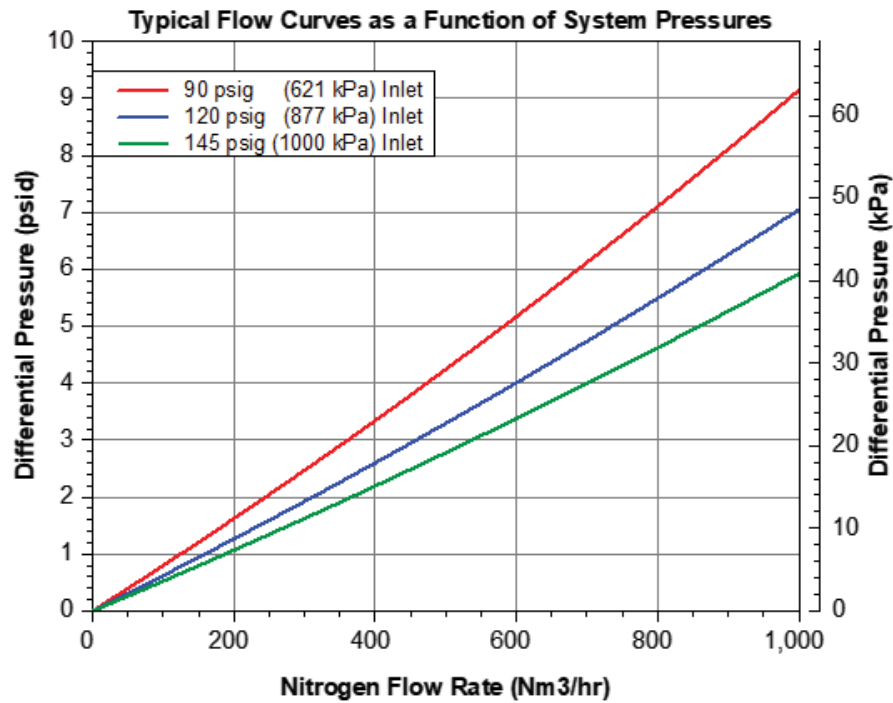
Particle Removal Size:	$\geq 0.0015 \mu\text{m}$
Helium Leak Rating:	1×10^{-9} atm cc/sec
Moisture Contribution:	<10 ppb after 1 hour at low-flow ambient purge per SEMI F27 test method
Total Hydrocarbons:	Below detectable limits per ASTM F1398 test method
Particle Shedding:	Zero particle contribution above background (<1 particle/ft ³) per SEMI F43-0308 test method
<i>Ask us about our entire line of point-of-use gas filters, diffusers and flow restrictors. We can retrofit your current plant and can offer bundle packages for multi-filter purchases.</i>	

Warranty:

Mott Corporation ("Mott") warrants its GasShield filter will meet the specified retention and media integrity standards for a period of five years from the date of purchase, providing the filter is properly installed and used in accordance with the specified flow, pressure, temperature, and chemical compatibility as published by Mott. Mott will replace or grant a purchase price refund for any GasShield filter which proves defective under the terms of this limited warranty. No other remedies apply. Mott disclaims all other warranties, either expressed or implied, including any warranty of merchantability or fitness for a particular purpose. Mott shall have no liability for consequential incidental, special or punitive damages, lost profits or savings, or damages from lost production or damage to other materials.

FLOW DATA

Mott BGF-323-40/80 A5S-F-7M Flow Rate vs. Differential Pressure



ORDERING INFORMATION

Part Description	Part Number	Fitting Type	A Inches/mm	B Inches/mm	C Inches/mm
BGF-323-40A5S-F-7M	6825332	JIS40A5S	30.00 / 762.0	3.00 / 76.2	1.91 / 48.6
BGF-323-80A5S-F-7M	6825333	JIS40A5S	30.00 / 762.0	3.00 / 76.2	3.51 / 89.1

*Custom designs and fittings available. Contact a Mott representative for more information.

Mykron

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