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 on the market today. (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 during heated dry down operations.

Operating Conditions
- Maximum Operating Pressure: 200 psig (13.8 barg)
- Maximum Operating Temperature for Inert Gas: 380°C
- Maximum Differential Pressure: 175 psid (12.1 barg)

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

Specifications
- Particle Removal Size: ≥ 0.0015 μm
- Helium Leak Rating: 1 x 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/ft³) per SEMI F43-0308 test method

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.
ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
<th>Fitting Type</th>
<th>A Inches/mm</th>
<th>B Inches/mm</th>
<th>C Inches/mm</th>
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</thead>
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<td>6825182</td>
<td>JIS150A5S</td>
<td>39.40 / 1000.6</td>
<td>12.75 / 323.9</td>
<td>6.50 / 165.1</td>
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</tbody>
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*Other fitting types and sizes available upon request. Contact Mott Corporation for more information.*