Ultra-High-Purity Filter
Model 247

These inline filters are specifically designed for applications where an extreme level of filtration is required. They feature a PTFE membrane in a small pleated cartridge which effectively removes all particles 0.003 micron or larger. The housing is 10 Ra finish electropolished 316L Stainless Steel and is totally welded. The final assembly is purged at a high flow rate with filtered nitrogen and helium leak checked to not exceed 1 x 10^-9 cc/sec.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Inlet and Outlet Connections</th>
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</thead>
<tbody>
<tr>
<td>Q3-247S-4C</td>
<td>1/4&quot; Compression</td>
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<tr>
<td>Q3-247S-4MVCR</td>
<td>1/4&quot; Male Vacuum*</td>
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</tbody>
</table>

* Connection is compatible with 1/4" VCR® fittings.

Specifications
Operating Pressure and Temperature:
750 psig at 250°F (52 bar at 121°C)
Filtration Rating: 0.003 micron at 99.9999999% efficiency
Effective Filtration Area: 0.5 ft.²
Flow Capacity: 300 SLPM maximum
Pressure Drop (clean condition)
  at 75 psig inlet:
    1 psid at 140 SLPM Air
    2 psid at 195 SLPM Air
    4 psid at 275 SLPM Air
Inlet and Outlet Connections: See Table
Dimensions: 5.563" x 2" (141 mm x 51 mm)

Materials of Construction
Body and Fittings: 316L Stainless Steel
Filter Medium: PTFE