Models AG6090, AG6092
Replaceable Element, High Pressure Submicron Filters

These in-line filters feature a unique mechanism which combines Brownian motion and mechanical filtration to remove 99.99% of all particles 0.1 micron and larger. Particularly suited for use upstream of regulators, these filters protect the regulator from particulate contamination which can build up and eventually cause seat leakage and regulator failure. The filter housing includes a third port (supplied with ¼” hex plug) to provide access to purge or bypass filtration.

The inexpensive element is easily replaced. The filter element has excellent resistance to water, high ph solutions, oxygenated solvents and strong acids. The “filter” configuration allows the element to be replaced without removing the filter from the process line.

Specifications
Maximum Operating Pressure: 3000 psig
Operating Temp. Range: -58°F to 300°F
Maximum Differential Pressure: 100 psi
Filtration Rating: 0.1 micron at 99.99% efficiency (removes 99.99% of all particles 0.1 micron or larger)
Flow Coefficient (clean condition): 

\[ C_v = 0.80 \]

Inlet and Outlet Connections:
¼” NPT female
Third Port: ¼” NPT female supplied with H.P. male hex pipe plug
Approximate Weight: 1 lb

Materials of Construction
Body, Cap and Retainer: See Table I
Seal: PTFE
Filter Element: Borosilicate Glass Fibers with a Fluorocarbon Resin Binder

Table I

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Body and Retainer Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>AG6090</td>
<td>Type 316L Stainless Steel</td>
</tr>
<tr>
<td>AG6092</td>
<td>Brass</td>
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</tbody>
</table>

Optional Equipment

<table>
<thead>
<tr>
<th>Equipment Part No.</th>
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</thead>
<tbody>
<tr>
<td>Replacement Element AG6091N</td>
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<tr>
<td>Replacement Seal 0202-3270</td>
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</tbody>
</table>

Models AG6097, AG6098
Replaceable Element, High Pressure Submicron In-Line Filters

These low cost in-line filters are designed for gas or liquid systems requiring a high level of filtration (0.1 micron). The filtration principles and elements are identical to those used in our Model AG6090 filter described above.

Specifications
Maximum Operating Pressure: 3000 psig
Operating Temp. Range: -58°F to 300°F
Maximum Differential Pressure: 20 psi
Filtration Rating: 0.1 micron at 99.99% efficiency (removes 99.99% of all particles 0.1 micron or larger)
Flow Coefficient (clean condition):

\[ C_v = 0.95 \]

Dimensions: 3.11” x 1.26”
Inlet and Outlet Connections:
¼” NPT female
Approximate Weight: 8 oz

Materials of Construction
Body and Retainer: See Table I
Seals: Viton®
Filter Element: Borosilicate Glass Fibers with a Fluorocarbon Resin Binder

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>AG6097</td>
<td>Brass</td>
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<tr>
<td>AG6098</td>
<td>Type 316L Stainless Steel</td>
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</table>

Optional Equipment

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<tr>
<th>Equipment Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement Element AG6091N</td>
</tr>
<tr>
<td>Replacement Seal 0202-3271</td>
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