Natural Gas Vehicle (NGV) Systems require high efficiency filtration to protect onboard fuel systems from particles and condensed liquid. Our unique microfiber (70CS) coalescing element provides the utmost protection in a compact and robust design. The 70CS elements are 100 percent glass fiber which provides a 95%+ efficiency rating of 0.01 micron for liquids and particles. Just as importantly, the glass fiber construction allows liquids to drain quickly, thus allowing a highly efficient coalescing process to continue with a low pressure drop.

The robust housing is easy to service with a hex base, providing multiple angle wrench points. A Buna-N o-ring is captured in the bowl, keeping it clear debris, and just as importantly securely fitted for positive re-sealing after filter element maintenance.

The filter element itself is encapsulated on a threaded retainer for a secure seal in the housing. This design keeps the element off the drain port, allowing liquid to drain quickly and freely from the system. Finally, the housing is anodized for corrosion protection, and the housing details are engraved for permanent identification. Private labeling is also available.

**Features:**
- Rugged, 100% Machined Anodized Aluminum Construction
- 3600 Maximum PSIG Rating
- Available in 9/16 SAE or 1/4” NPT
- Remove 95%+ Of Oil, Water, & Solids From Compressed Natural Gas
- Comes Complete With 70CS Element

**Applications:**
- NGV (Natural Gas Vehicle)
- Gas Cylinder Filter
- After Market NGV Conversion Kits
NGV HIGH PRESSURE FILTER ASSEMBLY

- After Market NGV Filter
- Compact, Robust Design
- 9/16 SAE or ¼” NPT In Stock For Immediate Delivery
- Customization Available

TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Housing Model</th>
<th>315ALHP-SAE</th>
<th>315ALHP-1/4”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Size</td>
<td>9/16 SAE</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>Drain Type</td>
<td>9/16 SAE</td>
<td>1/4” NPT</td>
</tr>
<tr>
<td>Maximum Pressure (psig)</td>
<td>3600</td>
<td>3600</td>
</tr>
<tr>
<td>Maximum Temperature (ºF)</td>
<td>240</td>
<td>240</td>
</tr>
<tr>
<td>Internal Volume (cc)</td>
<td>45</td>
<td>45</td>
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<tr>
<td>Weight of Housing (lbs)</td>
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<td>2.0</td>
</tr>
</tbody>
</table>

Principle Dimensions: (inches)
- Center Of Port To Head: 0.55
- Port-To-Port: 2.14
- Head Diameter: 2.28
- Overall Length: 4.78
- Element Removal Clearance: 3.50

Filter Element Codes: (1)
- Disposable Element (Standard): TR-12-57-70CS
- Stainless Steel Element: TR-SS-12-57-
- PEL Element: TR-P
- PTFE Element: TR-PT-12-57-

Materials Of Construction: (2)
- Head and Bowl: Aluminum
- Internals: Nylon
- O-Rings (Standard): Buna-N

Accessories:
- Mounting Bracket: MBSS360
- Buna-N Seal Set (Standard): BN315ALHP

FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50C (3) or 70C (4)

<table>
<thead>
<tr>
<th>Air Line Pressure (PSIG)</th>
<th>315ALHP Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>3</td>
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<tr>
<td>60</td>
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<td>500</td>
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<tr>
<td>1500</td>
<td>133</td>
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<tr>
<td>3600</td>
<td>315</td>
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</tbody>
</table>

Notes:
(1) Replace “□” with grade required, e.g. 12-57-70CS, SS-12-57-25
(2) Flow rates for Grade 50C rated at 99.99% against 0.01 micron
(3) Flow rates for Grade 70CS rated at 95% against 0.01 micron

Distributed by: Air & Vacuum Process, Inc.
Phone: (866)-660-0208
Fax: (281)-866-9717
sales@airvacuumprocess.com

United Filtration Systems, Inc.
6558 Diplomat Drive
Sterling Heights, MI 48314
sales@unitedfiltration.com
www.unitedfiltration.com
T. (586) 802-5561
F. (586) 802-5562
1-800-311-5561