Model SG6130
Hydrocarbon Trap

The Model SG6130 Refillable Hydrocarbon Trap is designed to remove trace levels of organics from carrier gases such as Helium, Argon, Nitrogen, Hydrogen and Air. The Model SG6130 is packed with a baked coconut shell based activated carbon to effectively remove alcohols, aromatics, chlorinated hydrocarbons, ethers, hydrocarbons, ketones, mercaptans, and organic acids.

Service life of these traps will vary depending on the incoming hydrocarbon level in the carrier gas. However it is estimated that 1000 ft³ (3–4 cylinders) of carrier gas can be purified before the absorbent needs replacing.

Each trap is pre-purged and pressure tested with ultra high purity helium to insure integrity. The all metal construction eliminates potential contamination from outgassing or diffusion (a phenomena commonly associated with plastic body traps).

Standard Features
- Sintered Type 316 Stainless Steel Inlet and Outlet Filters protect against adsorbent migration into the downstream system.
- Pre-purged and Pressure Tested with Ultra-High Purity Helium to insure integrity.

Specifications
- Maximum Operating Pressure: 250 psig
- Maximum Operating Temperature: 212°F
- Efficiency: <20 ppb hydrocarbon reduction
- Hydrocarbon Capacity: 22 grams
- Trap Volume: 200 cc

Table I

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Inlet and Outlet Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG6130-8</td>
<td>1/8” compression</td>
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<tr>
<td>SG6130-4</td>
<td>1/4” compression</td>
</tr>
</tbody>
</table>

Max. Flow Capacity: 35 slpm at 120 psi

Inlet and Outlet Connections: See Table I

Dimensions: 1 1/2” OD x 14” long

Approximate Weight: 1 lb.

Materials of Construction
- Body and Caps: Aluminum
- Seals: Viton®
- Fittings: Brass
- Filters (40 micron): Type 316 Stainless Steel
- Absorbent Material: Baked Coconut Shell Based Activated Carbon

Optional Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Absorbent Refill Kit*</td>
<td>SG6135</td>
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<tr>
<td>Mounting Clip**</td>
<td>MC-3</td>
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</tbody>
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* Kit contains enough absorbent to refill two traps.
** For secure installation it is recommended that two mounting clips be used for each trap.