Models SG6190, SG6191
Glass Encased, Low Pressure, High Purity Moisture Traps

These traps consist of a silanized, borosilicate glass tube which is filled with Type 13X Molecular Sieve and Type 4A Indicating Molecular Sieve. The adsorbent material removes moisture from the gas stream while the chemically-inert glass tube eliminates potential contamination from outgassing or diffusion (a phenomenon commonly associated with plastic purifiers). The Type 4A indicating sieve will undergo a color change (from blue to buff) to alert when the adsorbent requires replacement.

For operator safety, the glass housing has been encapsulated in a secondary clear plastic outer tube to provide protection from potential glass breakage while still providing a visual indication of the adsorbent’s condition.

These traps are available in two different sizes, as is indicated in Table I.

Standard Features
- Borosilicate Glass Inner Housing eliminates contamination from diffusion or outgassing commonly associated with purifiers made of plastic.
- Transparent Housing permits quick observation of the adsorbent’s condition.
- Sintered Type 316 Stainless Steel Inlet and Outlet Filters retain the adsorbent within the column.
- Pre-purged and Pressure Tested with Ultra-High Purity Helium to insure integrity.

Specifications
Maximum Operating Pressure: 125 psig
Maximum Operating Temperature: 212°F
Efficiency: To <10 ppb water with inlet levels of 30 ppm or less
Water Capacity:
SG6190: 11 grams
SG6191: 16 grams
Trap Volume:
SG6190: 70 cc
SG6191: 100 cc
Maximum Flow Capacity:
32 slpm at 125 psi inlet

Inlet and Outlet Connections:
- ¼” compression (standard)
- Optional ¼” x ½” tube reducers available
- Approximate Weight: 2 lbs

Materials of Construction
- Housing:
  - Inner Tube: Silanized Borosilicate Glass
  - Outer Tube: Polycarbonate Plastic
- Seals: Zytel-A Nylon Resin
- Fittings: Nickel-Plated Brass
- Filters, 40 micron:
  - Type 316 Stainless Steel
- Adsorbent Material:
  - Type 13X Molecular Sieve
  - and 4A Indicating Molecular Sieve

<table>
<thead>
<tr>
<th>Table I</th>
</tr>
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<tbody>
<tr>
<td>Part No.</td>
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<tr>
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<tr>
<td>SG6190</td>
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<tr>
<td>SG6191</td>
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Optional Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Part No.</th>
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<tr>
<td>Adsorbent Refill Kit*</td>
<td>SG6195</td>
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<tr>
<td>Tube Reducer (2 required) brass**</td>
<td>0202-5100</td>
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<td>¼” compression x ¼” OD tube for inlet/outlet</td>
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<tr>
<td>Mounting Clip with Screws (2 required)</td>
<td>MC-3</td>
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* Kit contains enough adsorbent to refill three (3) SG6190 traps or two (2) SG6191 traps.

** If selected, these items are not installed on the trap. They are shipped as separate items.