Models SG6150, SG6151
Glass Encased, Indicating Oxygen Traps

Models SG6150 and SG6151 Indicating Oxygen Traps are normally recommended for use downstream of non-indicating oxygen traps (where application flow rates permit) to provide a visual indication of oxygen breakthrough. Breakthrough is indicated via a color change in the adsorbent from gray to a deep brown. Because of their relatively small capacity, Indicating Oxygen Traps should be used by themselves only in very low volume applications.

These traps consist of a silanized borosilicate glass tube filled with a molecular sieve base and activated getter material. Oxygen and a wide range of oxides react with the getter material to form a manganese oxide. The glass tube is enclosed in a clear plastic outer shell to provide protection from glass breakage while still allowing for a visual indication of the trap’s condition.

**Standard Features**
- Transparent Glass Tube encased in a clear plastic outer shell permits quick observation of the adsorbent’s condition.
- Sintered Type 316 Stainless Steel Inlet and Outlet Filters protects against adsorbent migration into the downstream system.
- Pre-Purged and Pressure Tested with Ultra-High Purity Helium to insure integrity.
- Expended Material is Non-hazardous, Nontoxic, Nonflammable, and Non-reactive permitting safe landfill disposal.

**Specifications**
- Maximum Operating Pressure: 100 psig
- Maximum Operating Temperature: 212°F
- Efficiency: To <1 ppb Oxygen with inlet levels of 10 ppm or less
- Oxygen Capacity:
  - SG6150: 50 mg
  - SG6151: 150 mg
- Maximum Flow Capacity:
  - SG6150: 10 slpm at 100 psi
  - SG6151: 21.5 slpm at 100 psi
- Inlet and Outlet Connections: See Table I
- Dimensions (diameter by length):
  - SG6150: 1½” x 9½”
  - SG6151: 1¾” x 10¾”
- Approximate Weight: 1 lb.

**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

**Table I**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Inlet and Outlet Connections</th>
</tr>
</thead>
<tbody>
<tr>
<td>SG6150-4</td>
<td>¼” compression</td>
</tr>
<tr>
<td>SG6150-8</td>
<td>⅜” compression</td>
</tr>
<tr>
<td>SG6151-4</td>
<td>¼” compression</td>
</tr>
</tbody>
</table>

**Optional Equipment**

<table>
<thead>
<tr>
<th>Equipment Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting Clip</td>
<td>MC-2</td>
</tr>
<tr>
<td></td>
<td>MC-3</td>
</tr>
<tr>
<td>with screws (2 required)</td>
<td></td>
</tr>
<tr>
<td>For Model SG6150</td>
<td></td>
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<tr>
<td>For Model SG6151</td>
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