LACO offers five standard leak test helium bombing chambers used for the leak testing of sealed objects. Our five standard bombing chambers are also used for manual or fully automated leak test bombing stations that include all the components you’ll need for a complete turnkey system. Combined with our leak detector inlet vacuum chambers and TitanTest™ helium leak detector, LACO can offer a comprehensive leak test solution.

**STANDARD FEATURES**

Standard leak test bombing chambers feature stainless steel construction and clamped lid. Designed for connecting to a regulated helium source for bombing, chambers include:

- Helium connection
- Vent port and valve
- Vacuum connection
- Vacuum gauge

**CUSTOM HELIUM BOMBING STATIONS**

Turnkey helium bombing stations designed for either manual or fully automated PLC operation feature:

- Bombing chamber
- Gas manifold (valves, regulator, pressure transducer)
- Dry vacuum pump
- Base or cart mounted
- Helium Charge System (LACO Automated PLC)

The leak test bombing method is used to leak test sealed objects that cannot be connected directly to a leak detector. The part is placed in a chamber containing pressurized helium, allowing the helium to penetrate the part. It is then tested in a vacuum chamber connected to the leak detector. **Important considerations include pressurization time, helium bombing pressure, internal volume and leak size.**

### HELIUM BOMBING CHAMBER SPECIFICATIONS

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DIMENSIONS</th>
<th>MATERIAL</th>
<th>CAPACITY</th>
<th>VACUUM PORT</th>
<th>VENT PORT</th>
<th>HELIUM CONNECTION</th>
<th>GAUGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBC0404-60</td>
<td>4&quot;DIA x 4&quot;H (Full size lid opening)</td>
<td>304 SS Mechanical Polished Finish</td>
<td>0.8 liters</td>
<td>NW 16 flange w/ manual valve</td>
<td>1/4&quot; port w/ manual valve &amp; push-in fitting to connect to helium supply</td>
<td>0-30 inHg to 60 psi compound gauge</td>
<td></td>
</tr>
<tr>
<td>LBC083-100*</td>
<td>8&quot;DIA x 3&quot;H (Oval lid, 4&quot;x 3&quot;)</td>
<td>304 SS White Pickled Finish</td>
<td>1.4 liters</td>
<td>NW 25 flange w/ manual valve</td>
<td>1/4&quot; port w/ manual valve &amp; push-in fitting to connect to helium supply</td>
<td>0-30 inHg to 100 psi compound gauge</td>
<td></td>
</tr>
<tr>
<td>LBC0915-100*</td>
<td>9&quot;DIA x 15&quot;H (Oval lid, 5 7/8&quot;x 4 7/8&quot;)</td>
<td>304 SS White Pickled Finish</td>
<td>3 gallon</td>
<td>NW 25 flange w/ manual valve</td>
<td>1/4&quot; port w/ manual valve &amp; push-in fitting to connect to helium supply</td>
<td>0-30 inHg to 100 psi compound gauge</td>
<td></td>
</tr>
<tr>
<td>LBC1010-100*</td>
<td>9.5&quot;DIA x 9.5&quot;H (Full size lid opening)</td>
<td>304 SS Electro-Polished Finish</td>
<td>2 gallon</td>
<td>NW 25 flange w/ manual valve</td>
<td>1/4&quot; port w/ manual valve &amp; push-in fitting to connect to helium supply</td>
<td>0-30 inHg to 100 psi compound gauge</td>
<td></td>
</tr>
<tr>
<td>LBC1419-100*</td>
<td>14&quot;DIA x 19&quot;H (Full size lid opening)</td>
<td>304 SS Electro-Polished Finish</td>
<td>10 gallon</td>
<td>NW 25 flange w/ manual valve</td>
<td>1/4&quot; port w/ manual valve &amp; push-in fitting to connect to helium supply</td>
<td>0-30 inHg to 100 psi compound gauge</td>
<td></td>
</tr>
</tbody>
</table>

*ASME stamped and approved for 110 psi