

LEAK TEST BOMBING CHAMBERS

LACO designs and manufactures both standard and custom leak test bombing chambers for the leak testing of sealed objects that cannot be connected directly to a leak detector. We offer three standard bombing chambers that can be easily customizable to meet the needs of your application. Our applications engineers can also design manual or fully automated leak test bombing systems that include the components you'll need for a complete turnkey system.

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.

STANDARD FEATURES

Our standard leak test bombing chambers for bombing of small parts feature stainless steel construction and clamped lid. Designed for connecting to a regulated helium source for bombing, our chambers include the following:

- 1/4" push connect fitting for helium line with valve
- 1/4" vent port and valve
- NW 16 or NW 25 flange and valve for connection to vacuum source
- 30 inHg to 60 psi compound gauges and safety pressure relief valve

CUSTOM SOLUTIONS & SYSTEMS

We provide a turnkey bombing systems designed for either manual or fully automated operations. Systems include:

- Bombing chamber
- Gas manifold (with valves, regulator, pressure transducer)
- Vacuum pump
- Timer
- PLC control system (for automated operation)

LEAK TEST BOMBING CHAMBER

P/N: LBC0404-60



SPECIFICATIONS

- Stainless steel construction
- 4" Diameter x 4" Ht
- NW 16 vacuum flange and valve
- 1/4" NPT vent and valve
- 1/4" valve and push tube Helium port
- 0-30 inHg to 100 psi compound gauge

CUSTOM OPTIONS

- Glass viewport top
- Larger diameter and height
- Hinged lid

LEAK TEST ASME PRESSURE BOMBING CHAMBER

P/N: LBC083-60



SPECIFICATIONS

- 304 SS White Pickled Finish
- 8" Diameter x 3" Ht
- Top opening oval lid (4"x3") suitable for vacuum or pressure
- Chamber is tested for full vacuum and operating pressures to 60 psi.
- Compound Gauge from 30 inHg to 0 to 60 psi.

- 1/4" Vacuum Port with manual valve adapted to NW 25 vacuum flange (NW 16 available upon request)
- 1/4" port with manual valve and push connect fitting for 1/4" plastic tubing from regulated helium supply
- Safety pressure relief valve set to 75 psi (higher pressures available upon request).
- 1.4 liter capacity and ASME code stamped for 140 psi.

LEAK TEST ASME PRESSURE BOMBING CHAMBER

P/N: LBC0915-60



SPECIFICATIONS

- 304 SS White Pickled Finish
- 9" Diameter by 15" Ht
- Top opening oval lid (5-7/8" x 4-7/8") suitable for vacuum or pressure
- Chamber is tested for full vacuum and operating pressures to 60 psi
- Compound gauge from 30 inHg to 0 to 60 psi

- 1/4" vacuum port with manual valve adapted to NW 25 vacuum flange (NW 16 available upon request)
- 1/4" port with manual valve and push connect fitting for 1/4" plastic tubing from regulated helium supply
- Safety pressure relief valve set to 75 psi (higher pressures available upon request)
- 3-gallon capacity and ASME code stamped for 140 psi