

LACO TECHNOLOGIES

HELIUM BOMBING CHAMBERS

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.



LBC0404-60



LBC083-100



LBC0915-100



LBC1010-100



LBC1419-100

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
- Vacuum connection
- Vent port and valve
- 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 (LAC 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

PART NUMBER	DIMENSIONS	MATERIAL	CAPACITY	VACUUM PORT	VENT PORT	HELIUM CONNECTION	GAUGE
LBC0404-60	4"DIA x 4"H (Full size lid opening)	304 SS Mechanical Polished Finish	0.8 liters	NW 16 flange w/ manual valve	1/4" NPT w/ safety relief valve set to 75 psig	1/4" port w/ manual valve & push-in fitting to connect to helium supply	0-30 inHg to 60 psi compound gauge
LBC083-100*	8"DIA x 3"H (Oval lid, 4"x 3")	304 SS White Pickled Finish	1.4 liters	NW 25 flange w/ manual valve	1/4" NPT w/ safety relief valve set to 100 psig	1/4" port w/ manual valve & push-in fitting to connect to helium supply	0-30 inHG to 100 psi compound gauge
LBC0915-100*	9"DIA x 15"H (Oval lid, 5 7/8" x 4 7/8")	304 SS White Pickled Finish	3 gallon	NW 25 flange w/ manual valve	1/4" NPT w/ safety relief valve set to 100 psig	1/4" port w/ manual valve & push-in fitting to connect to helium supply	0-30 inHG to 100 psi compound gauge
LBC1010-100*	9.5"DIA x 9.5"H (Full size lid opening)	304 SS Electro-Polished Finish	2 gallon	NW 25 flange w/ manual valve	1/4" NPT w/ safety relief valve set to 100 psig	1/4" port w/ manual valve & push-in fitting to connect to helium supply	0-30 inHG to 100 psi compound gauge
LBC1419-100*	14"DIA x 19"H (Full size lid opening)	304 SS Electro-Polished Finish	10 gallon	NW 25 flange w/ manual valve	1/4" NPT w/ safety relief valve set to 100 psig	1/4" port w/ manual valve & push-in fitting to connect to helium supply	0-30 inHG to 100 psi compound gauge

*ASME stamped and approved for 110 psi