



VACUUM TECHNOLOGY I N C O R P O R A T E D

Submarine Battery Helium Leak Test System



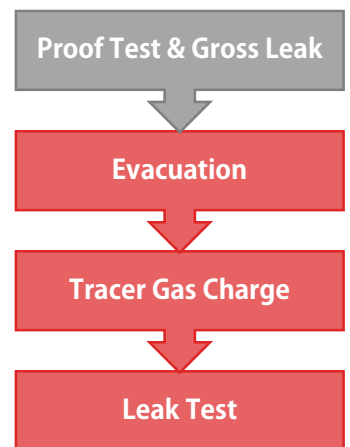
Specifications

- Product: Submarine Battery
- Tracer Gas: Helium
- Leak Rate: 1×10^{-4} atm-cc/sec
- Machine Time: 60 Seconds
- Charge-In-Chamber
- Pump Size: 130 CFM
- Chamber Volume: 8.6 ft³
- Installation Date: 2015

VTI's Submarine Battery Helium Leak Test System is engineered to provide reliable and efficient leak testing for Battery Manufacturing.

This robust top-down style chamber allows for ease of loading/unloading of the Unit Under Test (UUT). Once in place, a fixture will be manually connected to the UUT which will permit the evacuation, tracer gas fill, and venting of the UUT. This system is equipped with a pressure differential sensor to ensure the pressure inside the UUT and outside the UUT (Chamber) are within the customer requested pressure differential. This ensures the cell walls on the battery will neither explode or implode during evacuation and venting, resulting in a safe and reliable leak test.

The control system is integrated with the customer's database to provide real-time data. It is also interlocked with other equipment on the production line to guarantee testing requirements are met in production.



Other Test Systems Available.
Call us to learn more.