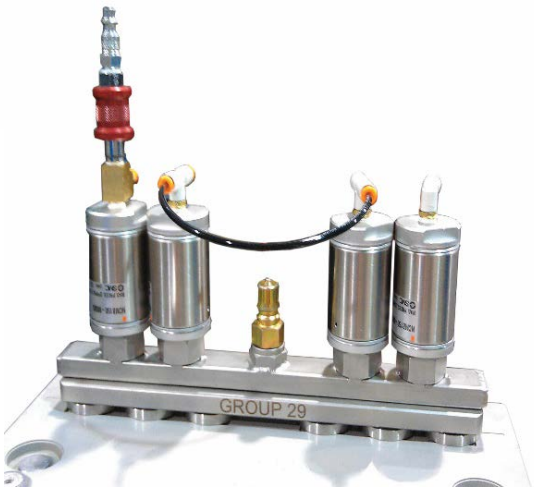
VACUUM TECHNOLOGY
INCORPORATED

12 Volt Battery with VTI Patented Vacuumulation™ Helium Leak Test System

Specifications

- **Product:** 12 Volt Batteries
- **Tracer Gas:** Helium
- **Leak Rate:** 1 x 10^{-4} atm-cc/sec Helium at 2psia into vacuum
- **TAKT Time:** 60 Seconds
- **Charge-In-Chamber**
- **Pump Size:** 60 CFM
- **Chamber Volume:** 3ft³
- **Installation Date:** 2011



VTI's Vacuumulation™ Battery Helium Leak Test System is engineered to provide reliable and efficient leak testing for 12 Volt Batteries.

The Vacuumulation™ is a hybrid-technique between traditional hard vacuum mass spectrometer and atmospheric accumulation leak detection methods. This method allows for increased leak testing sensitivity while reducing capital costs. This system is equipped with a pressure differential sensor to limit the cell wall 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. VTI's custom seal fixtures connect to the six ports of the battery for the evacuation, tracer gas fill, and venting of the UUT.

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.

1003 Alvin Weinberg, Oak Ridge, TN 37830 | Phone:865.481.3342 | sales@vacuumtechnology.com ● www.vacuumtechnology.com