



# VACUUM TECHNOLOGY INCORPORATED

## Automotive Radiator Helium Accumulation Leak Test System



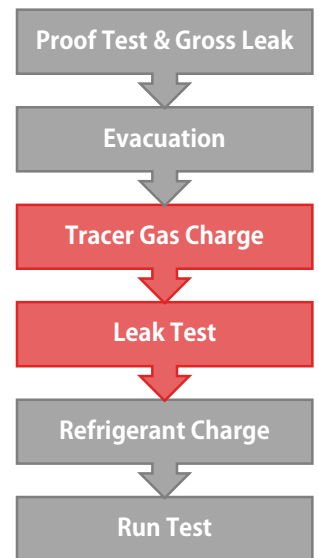
### Specifications

- **Product:** Radiator
- **Tracer Gas:** Helium
- **Leak Reject Rate:**  $2.7 \times 10^{-4}$  atm-cc/sec of Helium from 25 psig into atm
- **TAKT Time:** 40 Seconds
- **Charge-In-Chamber**
- **Pump Size:** 5.6 CFM
- **Chamber Volume:** 7 ft<sup>3</sup>
- **Installation Date:** 2014

VTI's Automotive Radiator Helium Accumulation Leak Test System is engineered to provide a reliable fine accumulation leak test for industrial manufacturing.

The robust swing chamber doors allow for ease of operator load / unload of Unit Under Test (UUT). Once the UUT is manually loaded the operator uses the foot pedal switch to engage the VTI Smart Connect to seal to the part. Then the system fills the UUT with Helium and measures the leak rate by accumulating Helium in the sealed box. At the conclusion of the accumulation test, the tracer gas is recovered and the residual tracer gas is evacuated from the part to limit release of tracer gas near the accumulation station. A NIST-traceable verification leak is always open to the chamber to ensure that a helium signal is being detected at the proper level for every test cycle. At the end of a pass cycle, an industrial label printer provides a serial number for future key component tracking.

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.  
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