



## Large Refrigeration Condensing Unit Charge-In-Chamber Helium Leak Test System with Helium Recovery



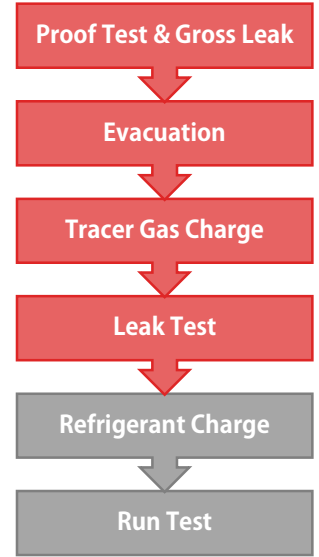
### Specifications

- **Product:** Condensing Units
- **Proof Gas:** Air / Nitrogen
  - **Proof Pressure:** 400 psig
- **Tracer Gas:** Helium Mix
- **Leak Reject Rate:** 0.1 oz/yr R-410A from 86 psig into atm
- **TAKT Time:** 300 seconds
- **Charge-In-Chamber**
- **Blower Size:** 11,330 CFM
- **Pump Size:** 2,048 CFM
- **Chamber Volume:** 139 ft<sup>3</sup>
- **Installation Date:** 2017

VTI's Charge-In-Chamber Helium Leak Test System with Helium Recovery is engineered to provide a safely contained proof pressure test, evacuation, tracer gas charge, and fine leak test for condensing unit manufacturing.

This robust bottom-up style chamber door allows for ease of loading/unloading of Unit Under Test (UUT). Testing pressures vary from 125 psig to 400 psig to accommodate different specifications per customer request. After pressure decay test, the UUT is evacuated, then charged with Helium, and lastly leak tested to the customer specified leak rate all while in the vacuum chamber. VTI designed and built the pallet system for the customer's manufacturing line.

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.