VACUUM TECHNOLOGY
INCORPORATED

Large Slab Heat Exchanger Charge-In-Chamber Leak Test System

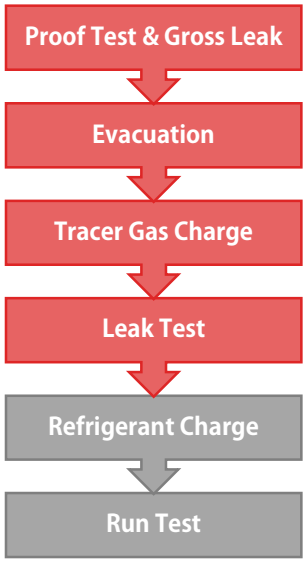
Specifications

- **Product:** Slab Coil
- **Proof Gas:** Air or Nitrogen
  - **Proof Pressure:** 1,000 psig
- **Tracer Gas:** Helium Mix
- **Leak Reject Rate:** > 0.5 oz/yr R-410A at 225psig into atm
- **TAKT Time:** 4 minutes
- **Blower Size:** 1,600 CFM (X 2)
- **Pump Size:** 460 CFM
- **Chamber Volume:** 85 ft^3
- **Installation Date:** 2013

VTI's Large Slab Heat Exchanger Charge-In-Chamber Helium Leak Test System is engineered to provide a safely contained pressure decay test, evacuation, tracer gas charge and Helium leak test for slab coil manufacturing.

This robust bottom-up style vacuum chamber allows for easy, single operator use. Testing pressures vary from 80 psig to 1,000 psig to accommodate different specifications per customer request. After the pressure decay test, the Unit Under Test (UUT) is evacuated, then charged with Helium, and lastly leak tested to the customer specified leak rate. A Flow-Through test is incorporated in the test sequence to check for cross-circuiting of coils.

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.



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