



LEAK TEST EQUIPMENT FOR HEATING, VENTILATION AND AIR CONDITIONING COMPONENTS

- ✓ *Heat Exchangers*
- ✓ *Brazed Components*
- ✓ *Water Tanks & Coils*
- ✓ *Dryers/Accumulators*
- ✓ *Thermal Expansion Valves*
- ✓ *Manifolds*
- ✓ *Coils & Tubes*
- ✓ *Compressors*



Mass Spec Helium Leak Test Machine for Condenser/Oil Cooler Combination

- *Proof Test @ 500 PSIG*
- *Leak Tests:*
 - *Condenser* 1.7×10^{-5} scc/s @ 300 PSIG
 - *Condenser/Oil-Cooler Combo* 1.7×10^{-5} scc/s @ 300 PSIG and 6 scc/min @ 100 PSIG
 - *Radiator* 5 scc/min @ 20 PSIG
- *90 parts/hr production rate*

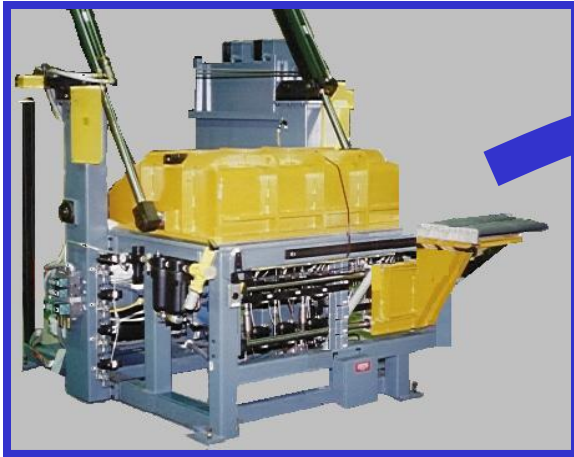
Rely Upon FTI's Excellent Reputation For:

- ✓ *Uptime - robust and reliable machines*
- ✓ *Immediate world-class service and support*
- ✓ *In-Depth Training*
- ✓ *On-Time Delivery*
- ✓ *All-Inclusive Pricing*





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View of open chamber



Mass Spec Helium Leak Tester for Brazed Heat Exchangers

- Proof Test @ 700 PSIG
- Leak Test for 2.8g R22/yr @ 150 PSIG
- 22 to 60 parts/hr production rate

A Sampling Of FTI's Real-World HVAC Component Leak Test Experience:

<u>Machines</u>	<u>Application</u>	<u>Leak Rate</u>
10	High pressure proof testers and pressure differential leak testers for complete air conditioning units or for air conditioning coils (evaporators/condensers).	1 X 10 ⁻¹ scc/s
5	High sensitivity RGA leak testers to detect refrigerant.	4 X 10 ⁻⁹ scc/s
8	High-pressure proof testers with Helium mass spec leak testing machines for A/C dryers and/or accumulators.	1 X 10 ⁻⁵ scc/s
15	High-pressure proof testers with Helium mass spec leak testing machines for automotive A/C valves.	1 X 10 ⁻⁵ scc/s
6	High-pressure proof testers and pressure decay leak testers for A/C compressors.	1 X 10 ⁻¹ scc/s
26	Hard vacuum Helium mass spec leak testers for A/C compressors.	1 X 10 ⁻⁵ scc/s
16	Helium mass spec sniffer booths for A/C components.	1 X 10 ⁻⁵ scc/s
1	Manually sequenced Helium mass spec leak tester for A/C tubes.	1 X 10 ⁻⁵ scc/s
11	Hard vacuum Helium mass spec leak tester for A/C condensers and evaporators.	1 X 10 ⁻⁵ scc/s
4	Hard vacuum I/O Helium mass spec leak tester for A/C tubes.	1 X 10 ⁻⁵ scc/s
3	Helium mass spec leak tester and high pressure proof tester for A/C coolers.	1 X 10 ⁻⁶ scc/s
1	Helium fill unit for A/C compressors.	He Fill Station
1	TXV gas mixing system.	Mixing System
1	Helium fill station for automotive evaporators.	He Fill Station
1	Vacuum decay leak testers for A/C accumulators.	1 X 10 ⁻² scc/s
1	Pressure increase gross leak tester for A/C accumulation.	1 X 10 ⁻² scc/s
4	Outside/In Helium Mass spec leak tester for A/C evaporators.	1 X 10 ⁻⁵ scc/s

HVAC EXPERIENCE



2490 Midland Rd, Bay City, Mi 48706 (989)686-6200; fax (989)686-3070;
www.futuretechnologies.com