



HELIUM LEAK TESTING STATION for “SUPER SIZE” SLAB HEAT EXCHANGERS



This leak detection system, designed and built by VTI, performs a Helium Mass Spectrometer Leak Test and also a Proof Pressure Test on heat exchangers up to 144 in. x 84 in. x 18 in. The system tests by the “Inside-Out” method and has a fully automated test cycle including the pass-fail decision.

The system is capable of detecting a 0.5 ounce per year leak of R22 from 150 psig into atmosphere in a 5 minute cycle. Smaller leak rates can be found using longer cycle times. Bar code scanner input to the PC control system allows tracking of product leak test results. The system can be networked with VTI’s Pressure Decay Station and Sniffer/Repair Station to offer a complete, turn-key leak detection solution.