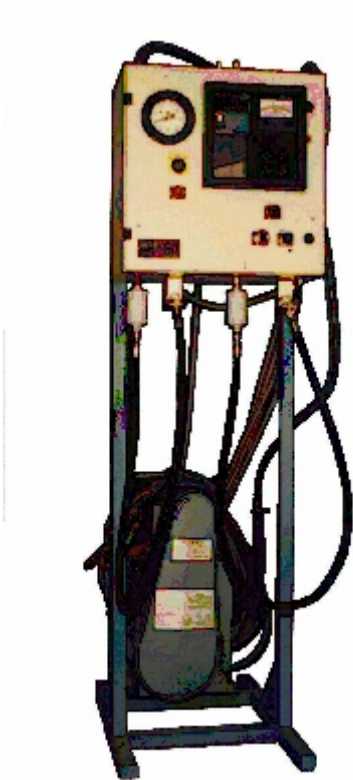


VTech Tracer Gas Charging Systems

To maximize the sensitivity of the sniffer mode leak detector process, an automatic, accurate and consistent evacuation and tracer gas charging system is required. VTech's automated process control, precision transducers and touch screen operator interface, deliver increased reliability, speed and system accuracy. Single and multiple station systems are available.

VTech's Tracer Gas Charging Systems features.

- * **Automatic** - Operator Independent.
- * **Double charging prevented** - positive program logic and pressure transducer information.
- * **Positive connection in confined space** - small charging head profile.
- * **Proper evacuation** - high and low side evacuation heads ensure thorough evacuation.
- * **Options include:** Data acquisition, Network interfaces, Bar coding scanning, and Modem communications



Technical Specifications

Function: evacuate the component or final product to 2000 micron pressure. Conduct automatic pressure rise test determining if component leaks or is contaminated, upon passing, automatically charged with tracer gas.

Evacuation:

Evacuation is performed on both the high and low sides of the refrigeration circuit. Re-enforced 1/2" ID vacuum hoses are connected to the unit and to the machine's vacuum manifold. Precision pressure and vacuum transducers, and electrically operated valves control the evacuation and pressure rise tests, The machine is equipped with a heavy duty, dual stage, 11 cfm vacuum pump.

Charging:

Precision pressure transducers and PLC algorithms, insure charging accuracy compatible with all popular tracer gases. Includes filter dryer; tracer gas compatible charging hose, ending with female auto

shutoff quick connect fitting.

Controls:

The operator controls consist of a color touch screen for messaging and data entry. Manual operators are used for repetitive operations. A Programmable Logic Controller (PLC), controls the operations of the machine.

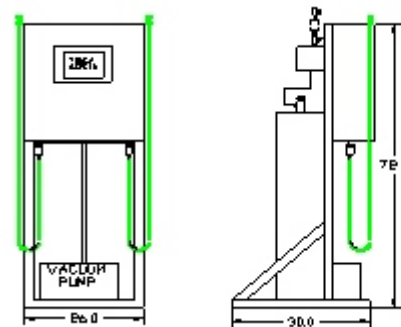
Options

- Bar code scanning.
- Ethernet data exchange.
- Modem Communications.

Construction: heavy duty steel frame; tracer gas bottles attached to frame base; 20" x 20" x 8" NEMA 12 enclosure mounted on steel frame 130 pounds (59 kilos) not including pump and tanks; typical overall dimensions 26" x 30" x 72".

Power requirement: 120v, 1phase, 60Hz.

VTech provides complete turn-key Tracer Gas Charging Systems designed for your specific production line requirements. In addition, we can provide conveyors, fixtures, charging fittings, etc.



Since VTech has a policy of continuous product improvement, it reserves the right to change design and specifications. Copyright © 1999

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