



# CALIBRATOR SELECTION GUIDE FOR SNIFFER LEAK DETECTORS

Reliable sniffing-type leak detection requires frequent calibration of the entire leak testing setup by testing and calibrating at the sniffer probe itself.

VTI offers a wide range of Calibrated Leak Standards for sniffer detector calibration so that one is sure to meet your particular requirements. Designed specifically for sniffer calibration, VTI's leak standards feature a "point-source" design for the helium or refrigerant flow to avoid erroneous readings.

Models are available for helium, refrigerants and virtually all other gases, as well as for a wide range of leak rates. Fixed-leak-rate calibrators are available, as well as variable-rate models which have a 10-to-1 adjustable range. Models are available with Teflon-permeation leak elements or crimped stainless-steel capillary leak elements, the choice depending on the gas, leak rate and use environment.

VTI's experts are always eager to help you select the best model - technically and cost - for your application. Without obligation, of course.

## CHOOSING A CALIBRATOR FOR HELIUM SNIFFERS

### Choose the FSLT Model when:

- You want to calibrate at a single, fixed leak rate.
- You want the Calibrator to operate for a year or more without refilling.
- You want the Teflon-permeation leak element that will not clog.



### Choose the FSLC Model when:

- You want to calibrate at a single, fixed leak rate.
- You want the Calibrator to operate for a year or more without refilling.
- Your relatively clean plant/lab will not clog the capillary leak element.



### Choose the VSLT Model when:

- You want to be able to vary the rate over its 6:1 leak-rate range.
- You can easily refill the reservoir with Helium gas periodically.
- You want the Teflon-permeation leak element that will not clog.



### Choose the VSLC Model when:

- You want to be able to vary the rate over its 10:1 leak rate range.
- You can easily refill the reservoir with clean Helium periodically.
- Your relatively clean plant/lab will not clog the capillary leak element.



## CHOOSING A CALIBRATOR FOR REFRIGERANT SNIFFERS

### Choose the RLS Model when:

- You need to test to an exact leak rate or want to be able to vary the leak rate over the 10:1 range.
- You want the Calibrator to operate for a year or longer without a refill.



### Choose the FSLTC Model when:

- You can easily refill the reservoir with refrigerant vapor periodically.
- You need to specify and test to a specific leak rate.



### Choose the FSLTL Model when:

- You want the Calibrator to operate for years without the need to refill.
- You can test within a broad range of leak rates if you know the specific rate.



### Choose the RSC Model when:

- You need to test only with R134a.
- You want the Calibrator to operate for years without the need to refill.
- You can test within a broad range of leak rates if you know the specific rate.





### WARRANTY

VTI warrants that calibrated leaks manufactured by VTI, and all calibration services, shall be free from defects in materials and workmanship under normal use and service for a period of twelve (12) months from date of shipment from VTI's plant. This warranty is subject to the equipment being installed, maintained, and operated in accordance with the operating and maintenance instructions provided with the item. Warranty shall be void if the equipment is modified by the Customer or used in other than the intended manner or application. Purchased equipment incorporated into any item supplied by VTI will be covered by the original manufacturer's warranty. Failures of calibrated leaks resulting from vacuum deposited materials and/or contamination during the customer's use of the leaks are not warranted.

The foregoing warranties are in lieu of and exclude all other warranties not expressly set forth herein, whether expressed or implied by law or otherwise, including without limitation any warranty of merchantability or fitness for a particular purpose. In no event will VTI be liable for consequential damages.

In the event of VTI's liability, whether based on contract, tort (including but not limited to negligence and strict liability) or otherwise, VTI's sole and exclusive remedy will be limited, at VTI's option, to the repair or replacement of any nonconforming item for which claim is made by. VTI will not be liable for any other damages, whether direct, incidental, consequential or otherwise.

### TERMS OF SALE

FOB: All Material FOB Oak Ridge, Tennessee, USA

Terms of Payment: NET 30 days, 1/2% 10 days

Return Materials Authorization: Returns are accepted only upon prior approval. Please call (865) 481-3342. Return Materials Authorization (RMA) numbers issued by our Customer Service Staff should appear on all packages and shipping documents, including those for re-calibration orders.

Prices and specifications are subject to change without notice.

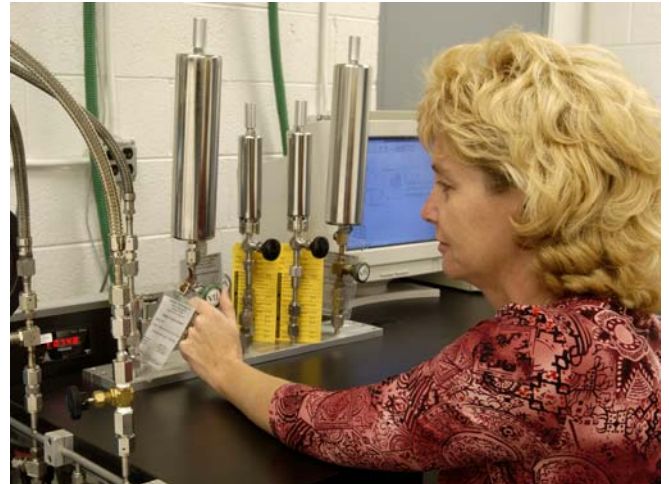
### RECALIBRATION SERVICE

VTI offers a convenient recalibration service to help users of calibrated leaks to maintain all of their Leaks in Certified and peak condition, regardless of the original manufacturer. All makes of Leaks for all makes of Leak Detectors can also be repaired if required.

Because of their rugged design, VTI's Calibrated Leaks will rarely, if ever, require refurbishment. However, annual recalibration will maintain the full benefits of their high precision performance.

In original production, VTI goes to extraordinary efforts to ensure the highest degree of reliability and precision in calibration. These same careful procedures are used when recalibrating Customers' leaks.

All recalibrations are NIST-Traceable and A2LA-Accredited.



*One of VTI's A2LA accredited Calibration Stations*

