REFRIGERANT CALIBRATED LEAK STANDARDS

FSLTC Sniffer-Detector Calibrators

The FSLTC Model CALIBRATORS FOR SNIFFER-TYPE REFRIGERANT LEAK DETECTORS

The FSLTC Refrigerant Leak Standards have been developed specifically to calibrate sniffer leak detectors and to avoid the clogging problems common to Calibrators that have a capillary leak element. This is particularly important for small leak rates of 0.1 ounce/year and less.

The FSLTC Accu-Flow™ Calibrated Leaks are available for all old and new refrigerants, and for exactly specified leak rates within a wide range from 0.02 to 20 oz/year. They can be used with all makes of leak detectors.

Choosing the FSLTC Calibrator

- **WILL NOT CLOG - permeation leak element.**
- **SPECIFY ANY REFRIGERANT - old or new one.**
- **SPECIFY EXACT LEAK RATES - your test point.**
- **WIDE LEAK-RATE CHOICE - 0.02 to 20 oz/year.**
- **REFILLABLE BY USER - can be refilled on site.**
- **SIMPLE TO OPERATE - minimal user training.**
- **NO FALSE READINGS - no large dead spaces.**
- **EASY PROBE LOCATION - repeatable results.**
- **LOWER COST TO SHIP - by reducing pressure.**
- **MEETS ISO REQUIREMENTS - NIST-traceable, A2LA-accredited Calibration Certification.**

As the major manufacturer of Calibrated Leaks for all gases, all leak rates, and all makes of leak detectors, VTI supplies them worldwide to users, distributors, and other manufacturers. These Accu-Flow™ Leak Standards are recognized internationally for their superior quality construction and calibration.

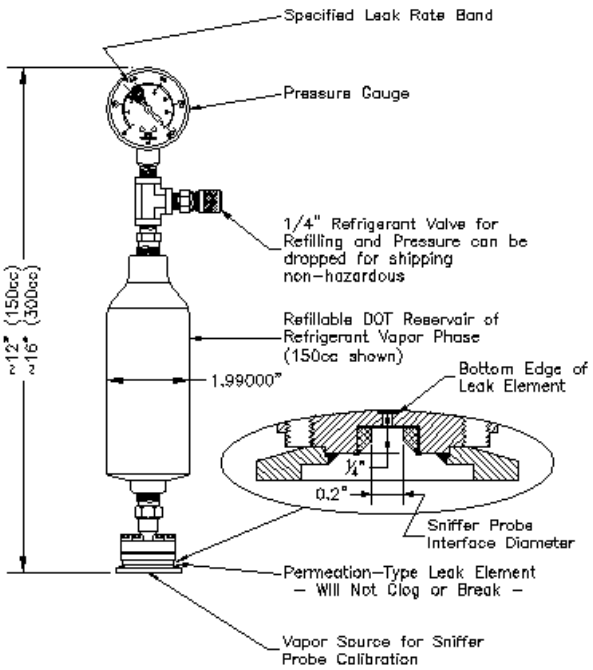

Diagram illustrating FSLTC configuration and "point source" interface details

The "point-source" design for the gas flow assures that excessive refrigerant vapor will not accumulate in "dead spaces" to cause erroneous high readings during detector calibration, which can later result in "passing" bad product.

ACCREDITED
Calibration Laboratory
Certificate No. 1707.01

VTI's Calibration Laboratory is Accredited by the American Association for Laboratory Accreditation.

VACUUM TECHNOLOGY INCORPORATED Oak Ridge, Tennessee USA

Toll-Free: 800-704-4774 Fax: 865-481-3788 sales@vacuumtechnology.com

www.vacuumtechnology.com

REFRIGERANT CALIBRATED LEAK STANDARDS

FSLTC Sniffer-Detector Calibrators

ORDERING INFORMATION

The FSLTC Calibrators can be ordered for almost any Refrigerant and for specific leak rates within a wide range of values. When ordering or requesting a quotation, please provide the Part Number and also specify the Leak Rate required using the full description of the rate and the units (for example: 0.05 ounce/year +/-20%, or 1.5 x 10E-4 atm-cc/sec +/- 20%). If you have any technical or ordering questions, please contact us for assistance.

PART NUMBER BUILD-UP

The FSLTC Part Numbers are constructed as follows:

FSLTC-XXXX-YYYY

where **XXXX** = the code for the Leak Rate required,

and **YYYY** = the "**R**" code of the Refrigerant required.

The leak rate units, codes and ranges available are listed in the table below, and common Refrigerants and their "R" codes are listed in the Table to the right.

REFRIGERANTS AVAILABLE

Most Refrigerants - old and new - in use today are available in FSLTC Leaks.

Common Examples:

R12	**R134a**	**R407C**	**R502**
R22	**R404A**	**R410A**	**R507**

(Also, Halons and Sulfur Hexafluoride)

LEAK RATES UNITS AND LEAK RATES AVAILABLE

COMMON UNITS	*Abbreviation used In part Number*	*Leak Rate Range Available*	*Example Part Number*
grams/year	G	1 to 500	FSLTC-2G-R134A
grams/annum	G	1 to 500	FSLTC-10G-R410A
ounces/year	OZ	0.02 to 20	FSLTC-0.05OZ-R407C
atm-cc/sec	E6	1.0 to 9.9 x 10E-6	FSLTC-E6-R22
atm-cc/sec	E5	1.0 to 9.9 x 10E-5	FSLTC-E5-R502
atm-cc/sec	E4	1.0 to 9.9 x 10E-4	FSLTC-E4-R12
atm-cc/sec	E3	1.0 to 9.9 x 10E-3	FSLTC-E3-R404A

Higher leak rates up to 10 oz/yr can be custom ordered.

You may specify any leak rate value within the indicated ranges. Specific leak rates may be specified and will be supplied within +/- 20% (manufacturing tolerance). Examples: 1.0 x 10E-6 atm-cc/sec +/-20%; 0.25 oz/year +/- 20%.
The final Leak Rate, as manufactured and calibrated, is then provided on your Calibration Certificate and Tag.

VACUUM TECHNOLOGY INCORPORATED Oak Ridge, Tennessee USA
Toll-Free: 800-704-4774 **Fax: 865-481-3788** **sales@vacuumtechnology.com**
www.vacuumtechnology.com