



FSLT Sniffer-Detector Calibrators

The FSLT Model CALIBRATORS FOR SNIFFER-TYPE HELIUM LEAK DETECTORS

The FSLT Helium 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 and industrial plant use.

The FSLT Accu-Flow™ Calibrated Leaks are available for any specific leak rate within the usual range for "Sniffing" of 10⁻⁴ to 10⁻⁶atm-cc/sec. They can be used with all makes of leak detectors.

Choosing the FSLT Calibrator

- WILL NOT CLOG OR BREAK – has permeation type leak element of Teflon®.
- FIXED LEAK RATE – for simple operation.
- SPECIFY AN EXACT LEAK RATE – your test point.
- WIDE LEAK-RATE CHOICE – the full range that is used for sniffing.
- NO FALSE READINGS - no large dead spaces.
- EASY PROBE POSITIONING – for repeatable results.
- 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.

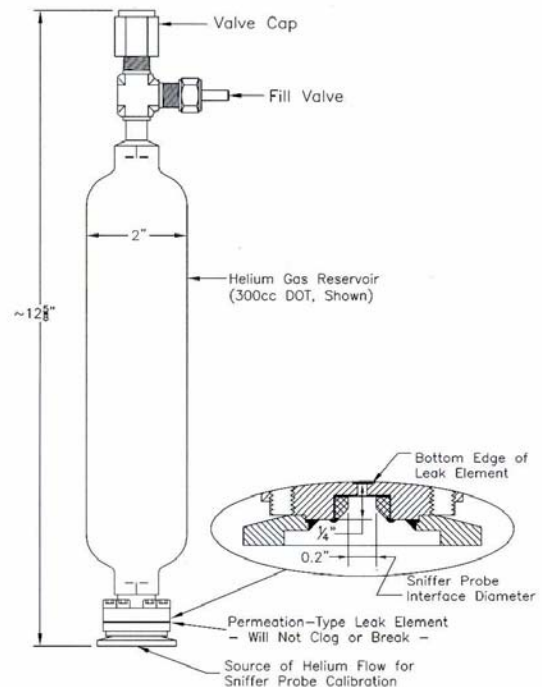



Diagram illustrating FSLT configuration and interface details



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

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



HELIUM CALIBRATED LEAK STANDARDS

FSLT Sniffer-Detector Calibrators

ORDERING INFORMATION

The FSLT Calibrators can be ordered for a single specified Helium leak rate within a wide range of values. When ordering or requesting a quotation, please provide the Part Number and also specify the Leak Rate requested using the full description of both the rate and the leak-rate units that you are requesting (for example: 2.0×10^{-4} atm-cc/sec). Also, please specify the manufacturing variance ("tolerance") that you can allow on that Leak Rate as +/- 40% or +/- 15%. The usual manufacturing variance is +/- 40% of the requested rate. (For the example rate above, the allowable range as manufactured would be from 1.2 to 2.8×10^{-4} .) A "Special Range" variance is available of +/- 15%. (For the example, this would allow the leak rate, as delivered, to be from 1.7 to 2.3×10^{-4} .) For this special manufacturing variance, an "-SR" is added to the end of the Part Number and there is an addition of \$200 to the price of the Leak.

Please contact us for assistance if you have any technical or ordering questions or want a customized Leak or manufacturing variance. Other leak-rates units, such as Torr-liters/sec, can be specified and calibration data will be reported in the units requested.

"Special Orders" are everyday products for us ! Just let us know what you need !

PART NUMBER BUILD-UP

The FSLT Part Numbers are constructed as follows:

FSLT-X-HE-YYYYYY-WFV

where X = the code for the Leak Rate Range and YYYYYY = the code for the size of Reservoir.

As noted above, an "-SR" is added to the end of the Part Number to identify the special manufacturing variance of +/- 15% on the Leak Rate (instead of the usual +/- 40% variance).

The X and YYYYYY codes are listed in the box.

ORDER CODES

X Code For Leak Rates from:

4	1.0 TO 9.9×10^{-4} atm-cc/sec
5	1.0 TO 9.9×10^{-5} atm-cc/sec
6	1.0 TO 9.9×10^{-6} atm-cc/sec

Y Code For Reservoir size:

150DOT	150cc
300DOT	300cc
500DOT	500cc
1000DOT	1000cc

The FSLT model is identified as a Fixed-rate Calibrated Leak with a Teflon-permeation leak element that is specifically designed for calibrating Sniffer-type leak detectors. The "HE" in the part number identifies this as a Helium Calibrated Leak and the "WFV" designates the particular Teflon-packed stainless steel Fill Valve used on this product.

COMMON PART NUMBERS FOR FSLT MODEL LEAKS

<i>Common Part Numbers</i>	<i>For a specified Value in this Range:</i>	<i>Reservoir Size</i>
FSLT-4-HE-1000DOT-WFV	1.0 TO 9.9×10^{-4} atm-cc/sec	1000cc
FSLT-4-HE - 500DOT-WFV	1.0 TO 3.0×10^{-4} atm-cc/sec	500cc
FSLT-5-HE - 500DOT-WFV	1.0 TO 9.9×10^{-5} atm-cc/sec	500cc
FSLT-5-HE - 300DOT-WFV	1.0 TO 9.9×10^{-5} atm-cc/sec	300cc
FSLT-5-HE - 150DOT-WFV	1.0 TO 3.0×10^{-5} atm-cc/sec	150cc
FSLT-6-HE - 150DOT-WFV	1.0 TO 9.9×10^{-6} atm-cc/sec	150cc
FSLT-6-HE - 300DOT-WFV	1.0 TO 9.9×10^{-6} atm-cc/sec	300cc

Other leak rates and reservoir sizes are available – just ask us !

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