



RST Sniffer-Detector Testers

The RST Model for testing SNIFFER-TYPE REFRIGERANT LEAK DETECTORS

VTI's new RST Sniffer Tester is simple to operate, works for a year or longer without clogging or running out of refrigerant vapor, and is a fraction of the price of other Refrigerant Leak Standards.

The sensitivity of a sniffer leak detector should ideally be checked each time it is used or, at least, at the beginning and end of each shift to verify that it is operating properly. The RST allows this check to be made without risk of overloading the sensor (thus prolonging sensor life), assures the sensitivity of the detector and allows the user to gauge the best scanning speed for the sniffer probe when looking for leaks.

Each RST leak standard is precision calibrated by VTI's Calibration Laboratory, although the traceability documentation is not provided for this low-cost model. The RST is provided in one leak rate range, nominally 0.5 oz/yr (14 g/yr). The Manufacturing Variance for this model is from 0.3 to 0.9 oz/yr (~ 7 to 26 g/yr); however, the actual leak rate, as calibrated, is provided on the label of each RST, for example 0.6 oz/yr or 17 g/yr. The leak rate is usually specified in units of ounces per year or grams per year, although other units may be specified.

The RST Sniffer Tester has several user-friendly features that make it an exceptional value. It features a permeation-type leak element that is not susceptible to the plugging problems that can occur with the capillary-type leak elements commonly used in refrigerant leak standards. The RST also has a supply of Refrigerant vapor that will last a year or longer, has a low temperature coefficient of only 0.6%/°F, and has a point source of vapor flow to allow repeatable results and efficient vapor collection.



Specifications:

Refrigerant

R123 (~1 oz charge).

Temperature Coefficient

0.6%/°F

Dimensions

Height 2 1/4" Diameter 1"

Ordering Information:

Specified Leak Rate	Manufacturing Variance	Part Number
0.5 oz/yr	0.3 to 0.9 oz/yr	RST-0.5OZ-R123
14 g/yr	7 to 26 g/yr	RST-14G-R123

The actual Calibrated Leak Rate is provided with each RST.



**VTI's Calibration Laboratory is Accredited by the American Association for Calibration Laboratory Accreditation.**  
Certificate No. 1707.01

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.