

R-410a CALIBRATED REFERENCE LEAK

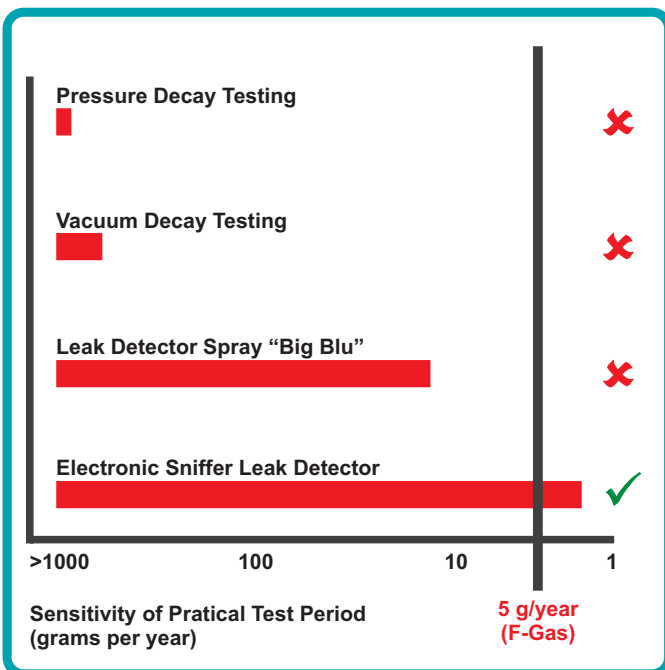
The LS- 4 Refrigerant Calibrated Leak Device provide a useful reference against which an contractor can check the sensitivity of their leak detector at regular intervals during a leak detection job. This can help to quickly identify battery or sensor problems which can affect the performance of the detector.

When connected to the outlet of a bulk refrigerant cylinder supply the LS- 4 will produce a flow of refrigerant at 5 g/Yr. If a Electronic Leak Detector responds to the output then it can be considered sensitive enough for use under current F-Gas regulations (EN-14624).

The LS-4 is made from a stainless steel sinter leak element in a stainless steel body and a brass 5/16" (1/2" 20UNF) Female SAE swivel nut with Neoprene gasket for easy connection to K1 Series Drum Adapters.

Current F-Gas legislation demands a sensitivity of 5 g/year from all Electronic Refrigerant Leak Detectors. The legislation also demands that the detectors are tested every 12 months against a calibrated reference leak standard.

Site contractors are expected to perform leak detection work accurately and in compliance with the regulation or face penalties and fines. Traditional leak detection methods, (such as the use of bubble spray, vacuum or pressure testing of systems) are not as accurate as electronic leak detectors and the timescale of testing using traditional methods is often prohibitive.



Features :

- Advanced Micro-Flow Technology;
- Patented manufacturing process to deliver technology to contractors at low cost;
- RAC Cooling Industry Award Winning Technology (2009);
- Meets F-Gas Regulations EN14624 and SAE J1627.

Warnings :

1. Keep element clean at all times;
2. Do not expose to oils or liquids, use an in-line filter where necessary;
3. To cleanse; bathe in alcohol in an ultrasonic bath (1 hr);
4. Increment flow slowly when open gas cylinder valve.

Whats does the Industry say about Reference Leaks?

"Use a Refrigerant Reference Leak to check your detector is working correctly – just opening a refrigerant cylinder or a connection on the AC/R system to check your detector is not accurate enough. A simple calibrated reference leak can be fitted onto the cylinder valve. When the valve is opened the flow through the device is approximately 5 g / year. If your leak detector does not pick this up it needs servicing."

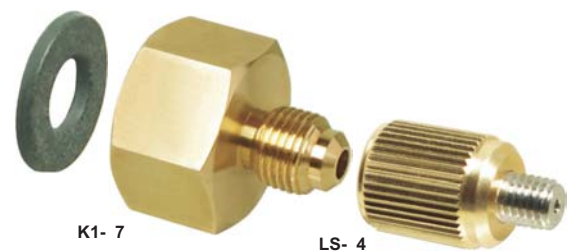
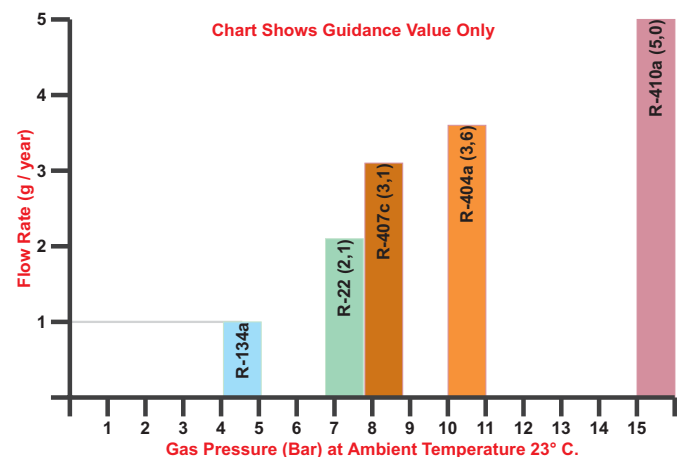
EPA Environmental Protection Agency - RealZero Guide to Good Leak Detection + Training Module 2.3

"Electronic Leak Detectors need to be checked every 12 months to ensure their proper functioning. The sensitivity of portable gas detection devices shall be at least five grams per year."

Detector Check Service

ENALT S.r.l. also offer an express Leak Detector Control Service with Check Certification to F-Gas Regulations.

NOTE : The LS- 4 supplied will produce a flow rate of 5 g/year for R-410a when connect to a bulk refrigerant cylinder at an ambient temperature of 23° C. If the device is connected to a different refrigerant the output flow rate would change. A guideline for the approximate values for other common gases is shown in the graph based at 23°C.



Model	Description
LS- 4	Calibrated Reference Leak 5 g/yr 23°C. R-410a Genetron® AZ20, Puron®... 5/16" Female SAE swivel nut with Neoprene Gasket. Certificate of Conformity.
Accessories	
K1- 7	Refrigerant Drum Adapter female W21,8-1/14" with fiber seal gasket x 5/16" (1/2" 20UNF) Male SAE.
UR3- 4 5	Adapter 1/4" (7/16" 20UNF) Female SAE with Long Tan Copper Gasket x 5/16" (1/2" 20UNF) Male SAE.
QC-55	Quick Coupler 5/16" (1/2" 20UNF) Female SAE swivel nut with Neoprene Gasket and Depressor x 5/16" (1/2" 20UNF) Male SAE with Valve core.