

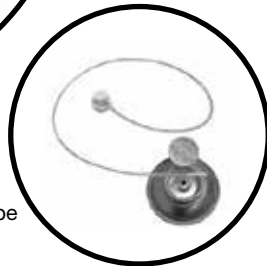


Refrigerant and natural gas leak detectors

→ CARLYLOC



Flexible extension tube for aerosol



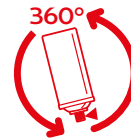
Refrigerant leaks have a direct impact on the greenhouse effect, but they also have an indirect impact linked to a loss of performance of the installation and excessive energy consumption.

The French and European regulations on leak detection checks for refrigerating and air conditioning systems aim at:

- limiting the emissions of greenhouse effect refrigerants
- enhancing the protection of the ozone layer.

The check should be performed by a company duly registered: when starting-up, when intervening on the circuit, and at least once a year for installations in operation.

CARLYLOC is a simple, practical foaming solution, ideal for detecting leaks and thus ensuring rapid maintenance of the installation.



Practical aerosol usable in all positions (360°)

■ Applications

- **CARLYLOC** is a leak detector which works by bubble formation for effective and quick control of water- and air-tightness, assembly of welded and soldered refrigeration and air conditioning systems.
- The product is:
 - a synergetic formulation with a surface-active base (anionic and non-ionic);
- compatible with halogenated refrigerants (CFCs, HCFCs, HFCs, HFO), natural gases (nitrogen, CO₂, ammoniac...);
- non aggressive for metals, rubber and plastics;
- anti-freeze;
- non flammable, non toxic;
- fluorescent for quick localization of the leak.
- Intended for professional use.

■ Functional features

- **CARLYLOC** allows quick and easy detection of refrigerant leaks.
- Its wettability allows a homogenous distribution of the product on the surface.
- **CARLYLOC** comes in two formulations:
 - a liquid formulation: packaged in 0.4-litre aerosol;
 - a viscous formulation: packaged in a 0.5-litre spray with a 5-litre or 25-litre refill can.
- The product is compatible with all materials.
- Non-toxic to both humans and the environment

Aerosol:

- Level of VOC for the spray product (Volatil Organic Compounds): 2.04 %.
- Non-flammable propellant: Nitrogen oxide.

■ CARLY advantages

- Specially designed for leaks of refrigerants and natural gas (CO₂, Ammonia, Nitrogen...)
- Fast leak detection forming bubbles.
- Adheres to all surfaces.
- Practical aerosol usable in all positions (360°).
- CARLY offers **CARLYLOC** in the form of a 0.5-litre spray and of 5-litre or 25-litre refill can; this packaging mode presents numerous advantages:
 - **technical advantages:** the product is more viscous than in aerosol. It covers more efficiently the surfaces to be checked, bubble detection is easier, the product's yellow fluorescent coloration allows better visibility;
 - **environmental advantages:** the container is re-usable as opposed to the aerosol that should be disposed of after use;
 - **economical advantage:** 100 % of the contents can be used; refills in the form of 5-litre and 25-litre cans make the product extremely price-attractive.



Refrigerant and natural gas leak detectors

→ CARLYLOC

■ Directions for use

- Shake before use.
- Apply **CARLYLOC** on the suspicious parts (connections, brazes, potential friction surfaces: piping close to each other, fastenings...) by spraying or coating.
- Formation of bubbles is immediate in case of leakage.
- The product is harmless; it can be removed by simple wiping or washing with a wet sponge.

■ Precautions for use

Precautions of use - see the Safety Data Sheet

- Causes skin irritation. Causes serious eye damage.
- Wear eye protection, protective gloves.
- IF ON SKIN: Wash with plenty of water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Do not swallow.

Aerosol

- Pressurised container: May burst if heated.
- Keep away from heat/sparks/open flames/hot surfaces. + No smoking.
- Pressurized container: Do not pierce or burn, even after use.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.

- Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Storage conditions

- Keep the product at temperatures between + 5°C and + 40°C.

Waste treatment

- Used aerosols must be disposed of in accordance with the current regulations for hazardous industrial waste.
- After rinsing with water, plastic packaging can be re-used, recycled or disposed of with plastic waste.

■ Technical features

CARLY references	Volume Litre	Packaging
CARLYLOC	0,40	Aerosol
CARLYLOC 500	0,50	Atomiser
CARLYLOC 5000	5,00	Can
CARLYLOC 25000	25,00	Can



Refrigerant and natural gas leak detectors

→ CARLYLOC

■ Spare parts

CARLY references	Spare parts	Description
CARLYLOC	CY 10207090	Flexible extension tube for aerosol L=60cm
CARLYLOC	CY 10207095	25 Flexible extension tubes for aerosol L=60cm
CARLYLOC 500	CY 44800200	Empty spray bottle, volume = 500 mL

■ Weights and packaging

CARLY references	Unit weight kg	Packaging unit
CARLYLOC	0,52	12
CARLYLOC 500	0,59	15
CARLYLOC 5000	5,19	2
CARLYLOC 25000	26,00	1