

# HVAC&R Brilliant

## Fluorescent UV Leak Detector Dye for Air Conditioning and Refrigeration Systems



### Product Description

HVAC&R BRILLIANT is an UV fluorescent leak detector Dye for air conditioning and refrigeration systems. Thanks to its high fluorescence it permits to quickly and very precisely locate the leakages of refrigerant gases. The fluorescent tracers are commonly used to identify the leakages in AC/R systems. By the way many products that are present on the market contain solvents including resolved chromatophore pigments.

It has been proved that those solvents can damage the AC/R system because they attack materials like aluminium, plastic, rubber and materials that are present in the major part of the systems and of the charging stations.

Furthermore several solvents like Aromatic 200 and NMP (N- methylpirolidone) are carcinogenic and toxic.

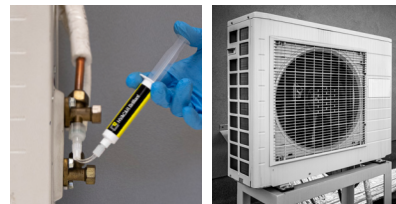
HVAC&R BRILLIANT (as all Errecom's tracers), are neither toxic nor insecure for all the components of the AC/R system because made without solvents.

### Features

- Locates precisely the leakages of refrigeration gases.
- Does not contain solvents.
- Compatible with all lubricants and refrigeration gases including CFC, HFC, HCFC, HFO, CO<sub>2</sub> and Hydrocarbons.
- Does not damage the air conditioning and refrigeration systems.
- Visible with UV light.
- Identification stickers are included.

### Application for Air Conditioning and Refrigeration Systems with Cartridge

1. Switch on the air conditioning system and set it on the "min temperature" mode.
2. Identify the charging valve and connect the adapter.
3. Connect the cartridge to the adapter and close the charging valve (pump down).
4. Introduce HVAC&R BRILLIANT into the system.
5. Reopen the charging valve.
6. Disconnect the cartridge.
7. Wait 15 min whilst system (up to 6 mt compressive tubing roundtrip) is working. The waiting time in systems of larger dimensions is proportionally higher.
7. Inspect the system with an UV light. HVAC&R BRILLIANT will immediately appear in the leakage's area.



### Application for Air Conditioning and Refrigeration Systems with Vial

Insert Brilliant into the AC/R system following the same procedure as if charging the lubricant.

### Doses for Air Conditioning and Refrigeration Systems

Dilution is 1:60 (1 mL per 60 mL of lubricant). Cartridge of 7,5 up to 0,5 L of lubricant.

## Adapters for the injection of additives in AC/R Systems



ADAPTER FLEX HOSE  
(included)

Flexible adapter that facilitates the insertion of the additive into the system in case that the low-pressure charging valve is difficult to locate (always included).

## Adapters for Air Conditioning and Refrigeration Systems



1/4 SAE

Adapter with O-ring black, thread 1/4 SAE and security system to prevent spilling of refrigeration gas, connectable to the low-pressure charging valve of AC/R Systems.



5/16 SAE

Adapter with O-ring green, thread 5/16 SAE and security system to prevent spilling of the refrigeration gas, connectable to the low-pressure charging valve of AC/R Systems working with R410a and R32.

## Packaging



Cartridge in plastic clamshell packaging and vial in carton box.



Art.-Nr.	Description		
<b>12 Cartridges of 7,5 mL (0.25 fl oz) packed in Blister</b>			
TR1068.A12.01	Cartridge without Adapter	12	672
TR1068.A12.H4	Cartridge with Adapter 1/4 SAE for AC/R Systems	12	672
TR1058.A6.H7	Cartridge with Adapter 5/16 SAE for AC/R Systems	12	672
TR1068.A12.H8	Cartridge with Adapter 1/4 SAE and 5/16 for AC/R Systems	12	672
<b>01 Cartridge of 60 mL (2.0 fl oz) packed in Blister</b>			
TR1068.E.01	Cartridge Without Adapter	15	840
TR1068.E.H4	Cartridge with Adapter 1/4 SAE for AC/R Systems	15	840
TR1068.E.H8	Cartridge with Adapter 5/16 SAE for AC/R Systems	15	840
TR1068.E.H3	Cartridge with Adapter 1/4 SAE and 5/16 for AC/R Systems	15	840
<b>Vial</b>			
TR1068.G.01	120 mL (4.0 fl oz)	12	3828



The cartridges, the adapters and the blisters are made of 100% recyclable plastic.  
The boxes and the counter displays are made of 100% recyclable carton.

## Warnings

No Danger Warnings.