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U.V. TRACER KIT 12V

Product group: 606 Product number: 711523

Effective tool for locating refrigerant leaks in refrigeration systems in inaccessible areas by circulating the tracer fluid and using UV-light.

A rechargeable battery gives complete freedom on where to use the kit.



Product information

This product supersedes product no: 596510

Glo-Leak tracer fluid is an oil based fluorescent liquid that is fully miscible and compatible with refrigerants and compressor oil. When added to the compressor oil sump, the tracer fluid circulates around the system with the compressor oil. Evidence of the tracer fluid will be found at the source of each leak. This will give a fluorescent glow when the area is scanned with the UV inspection lamp, easily identifying the location of the leak.

Features

- Oil based fluorescent liquid fully miscible with refrigerant compressor oil
- Circulates in system and leaves fluorescent trace if leak
- 110 V and 220 V charger included
- 12 V- 7 Ah battery gives a long operating time up to 30 minutes

Benefits

- Safety of crew members -- Enables ship crew to conduct safety checks from a distance and safeguards crew members from refrigerant poisoning.
- Cost savings -- Mnimises refrigerant loss and ensures system is always operating in optimum condition.
- Environmental protection -- Mnimises the release of environmentally-harmful substances into the atmosphere.
- Regulatory compliance -- In accordance with major regulatory bodies like EU F-gas regulation, EPA, DNV Clean Notation, LRS EP Notation, ABS ES Notation.

Specification

General

Invent Hazard Material (IMO/EU) classification	D-1
Product code	UV2165U+

Technical data

Voltage [V]	12 V operating
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Documents

[SDS - UVTracer Fluid](#)

[SDoC and MD for IHM](#)

Directions for use

Dosing method

Add the correct amount of Glo-Leak tracer fluid to the system (dosage rates as below). Glo-Leak may be added in one of the following ways:

- Directly into the compressor oil reservoir
- Via a standard oil charge pump
- Through the charging port on the compressor suction valve

Operate the system for enough time to allow Glo-Leak to permeate all suspected leak areas. Some leaks may show up within minutes. Others may take hours or even days to reveal themselves.

Scan the system to locate any leaks by shining the UV lamp supplied over all areas of possible leaks. The precise source of a leak is revealed by a fluorescent yellow or yellow-green glow.

Once identified, repair the leaks.

Clean off any excess Glo-Leak with Glo-Klenz (or with another suitable cleaner/degreaser).

Glo-Leak can now remain in the system so that regular leak checks during maintenance may be performed with ease. This should be done at regular intervals to ensure optimum performance.

Dosage and control 1. When the ratio of oil to gas is 1:3, add the fluid at the rate of 0.75% of the total oil charge. 2. When the ratio of oil to gas is more than 1:3, use the formula below. (Amount of oil x 0.01) + (gas charge in kg x 0.0015) = Amount of tracer fluid in ltrs.

Example: A refrigeration system contains 100 ltrs of oil and 500 kgs of refrigerant.

$(100 \times 0.01) + 500 \times 0.0015 = 1 + 0.75 = 1.75$ ltrs of tracer fluid

NB: The above dosage rates are conservative estimates. Different system capacities and designs, and the various lubricants available can vary the amount of Glo-Leak required, especially in large systems. Check for fluorescent brightness by shining a UV lamp at the sight glasses. Add more Glo-Leak if the glow is weak. In some large systems, it may be necessary to add extra Glo-Leak after a week. This is because there may be much more oil in the system than is specified by the compressor manufacturer

Related products

Accessories

606268
UV TRACER FLUID-ALLOIL TYPES 250ML

Spares

606268
UV TRACER FLUID-ALLOIL TYPES 250ML

Is frequently bought together with

- 589945
GAMAZYME BTC 12 X 1 LTR
- 708545
FLASHBACK ARRESTOR S55 OX
- 652522
REFRIGERANT RECOVERY PACKAGE F/220V
- 597534
HAND OIL PUMP 5L & 25L DRUMS
- 699165
GPO-302N 2.5X350MM 295 PCS 5,2KG
- 699173
GPO-302N 3.2X350MM 190 PCS 5.4 KG