



A Visible Solution for Invisible Refrigerant Leaks

Invisible leaks are tiny or intermittent leakages typically hidden in inaccessible areas which may not be detected with conventional methods. Shipowners may discover that they have a hefty price to pay if the leaks go undetected and gradually worsen over time.

These operating costs are expected to increase with the rising refrigerant price and the imposition of new regulations on environmental protection.

Apart from costs, the safety of the crew is also called into question when the issue of invisible leaks goes unnoticed. Chronic exposure to leaks may result in refrigerant poisoning, with accompanying symptoms such as headache, vomiting, breathing difficulty, and loss of consciousness.

Features

- The UV tracer fluid is suitable for all refrigerants and compressor oils
- SuperBright UV-LED Inspection Torch delivers brilliant fluorescence and is able to effectively pinpoint the exact location of the invisible leaks
- Biodegradable solvent spray cleaner can remove UV Tracer fluid residue and other stains effectively
- Protective goggles is DIN certified and conforms to 89/686/EEC, EN166 and EN170 (UV Protection), ensuring that crew members stay safe while conducting leakage checks

Benefits

- **Safety of crew members** – Enables ship crew to conduct safety checks from a distance and safeguards crew members from refrigerant poisoning
- **Cost savings** – Minimises refrigerant loss and ensures system is always operating in optimum condition
- **Environmental protection** – Minimises 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

Refrigerant Leak Detection U.V. Tracer Kit (1.5V) Product Number: 587199

Designed for Marine Air-conditioning and Refrigeration system, the Unitor Refrigerant Leak Detection U.V. Tracer Kit (1.5V) is an effective tool for pinpointing the invisible refrigerant leaks in the systems. The UV Tracer fluid is an oil based fluorescent liquid that is fully miscible and compatible with all refrigerants and compressor oils. When added to the compressor oil sump, the UV Tracer fluid will mix with the lubricant oil and circulate around the system. If there is a leak, the UV tracer fluids will come out on the surface and they will be visible with yellow fluorescence glow under the UV light.



The Refrigerant Leak Detection U.V. Tracer Kit (1.5V) is supplied with:

- ✓ Sturdy aluminium case
- ✓ SuperBright UV-LED Inspection Torch (400nm) with 3 AA batteries
- ✓ 4 bottles of Universal tracer fluid (250ml)
- ✓ Protective goggles (SP301UV)
- ✓ Biodegradable Solvent Spray Cleaner (250ml)

Dimensions/Weight

Case Dimension LxWxH (mm):	380x315x110
Net Weight (kg):	2.95

Consumables

Product number	Product name
606268	UV Tracer Fluid (250ml)



Refrigerant leaks in the system glow brightly when exposed to UV light from SuperBright UV-LED Torch.

Related Products

To maintain optimum performance of refrigerants, it is important to perform periodic leak checks with an electronic hand-held refrigerant leak detector. If UV tracing is required, hand oil pump may be used to add the UV Tracer fluid into the system. Proper refrigerant recovery and charging before and after repair is essential to system performance and safety.

Product number	Product name
716142	Hand Held Refrigerant Leak Detector UNIRX-1A
652522 / 652511	Refrigerant Recovery Package
752154	Refrigeration Handy Tools Case
597534	Hand Oil Pump 5L & 25L Drums
711523	U.V. Tracer Kit 12V (with Mini Pro UV365 Rechargeable Torch)

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Ask our WSS Representative or Customer Services about our refrigerants.

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