

TRACE-A-GAS™

Leak Detection Made Easy

Trace-A-Gas™ is a non-flammable mixture of Hydrogen and Nitrogen designed to easily detect leaks in HVAC&R systems. Hydrogen is an ideal leak detection medium due to its exceedingly small molecular size and low viscosity. This allows it to escape easily through any leak in greater volume than other gases, thereby aiding optimal detection.

With the use of a suitable electronic leak detector*, Trace-A-Gas™ offers far more accurate leak detection than when using traditional leak detection techniques. This leads to enhanced environmental compliance and cost savings through reduced maintenance, lower refrigerant requirements and improved system energy efficiency.

Key Benefits

- ✓ Up to 100 times more accurate than traditional bubble spray techniques.
- ✓ Save time - no need to wait for bubbles to form for small leaks or perform pressure decay tests.
- ✓ Save on refrigerant.
- ✓ Protect the environment from undetected refrigerant leaks. Improve energy efficiency.
- ✓ Reduce maintenance call outs.
- ✓ Easy to use, safe and efficient.



*Compatible with leak detectors calibrated to detect hydrogen. Not suitable for use with infrared technology leak detectors.

Instructions for Use

Trace-A-Gas™ can be used with the same regulator, gauges and hoses as nitrogen.

1. Before you begin, follow manufacturer's maintenance and calibrations instructions for the leak detector to ensure optimum detector sensitivity is maintained.
2. Charge the system with Trace-A-Gas™ through the regulator.
3. Using a suitable leak detector, check all connections in the system. Hydrogen is lighter than air so will rise from a leak point.
4. If the detector alarms, allow to settle and then re-test the connection to confirm the leak.
5. For difficult to reach insulated pipework, the leak detector wand can be inserted under the insulation rather than removing it. Trace-A-Gas™ will follow the course of the insulation and will be detectable some distance from the source depending on the leak size (this is not as accurate as testing the connection directly).
6. Once leak testing is complete and connections have been made leak tight, release the remaining gas to atmosphere at a well ventilated location.
7. Certain solvents in adhesives and thread sealing compounds can cause electronic leak detectors to false alarm providing unreliable results. Accordingly, consider the order of work, i.e. leak detect before gluing insulation. Consult with your wholesaler regarding suitable adhesives and thread sealing compounds.

Pack Information

Specification	'D' Size	'G' Size
Cylinder Content	1.5m3	3.5m3
Settled Pressure	200 Bar	200 Bar
Cylinder Outlet	Type 50	Type 50
Cylinder Colour	Grey With Red Shoulder	

Hazard Information

- High pressure compressed gas.
- Asphyxiant gas in high concentration.

Storage Information

- Trace-A-Gas™ is a class 2.2 non-flammable, non-toxic compressed gas.
- Store cylinders vertically and take measures to secure.
- Consider ventilation when storing and using Trace-A-Gas™.
- Always keep gas cylinders away from artificial heat sources.
- Always consider safe manual handling practice when moving cylinders.
- Follow AS 4332 The storage and handling of gases in cylinders.

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