



## Pack Sizes

'D' size cylinder  
'E' size cylinder  
'G' size cylinder

# A-GAS<sup>®</sup>

## TRACE-A-GAS<sup>™</sup>

# Leak Detection Made Easy

**Trace-A-Gas<sup>™</sup>** is a non-flammable mixture of Nitrogen and Hydrogen designed for use in leak detection for 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 aiding detection.

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

### Instructions for Trace-A-Gas<sup>™</sup> Use

**Trace-A-Gas<sup>™</sup>** can be used with the same regulator, gauges and hoses as nitrogen.

1. Charge the system with **Trace-A-Gas<sup>™</sup>** through the regulator to 1000kpa pressure. (Higher pressures can be used if desired but 1000kpa has been proven to highlight leaks efficiently).
2. Using a suitable leak detector, run the wand over the joints in the system. Hydrogen is lighter than air so will rise from a leak point.
3. If the detector alarms, allow to settle and then test the joint again to confirm the leak.
4. For difficult to reach insulated pipework, the leak detector wand can be inserted under the insulation rather than removing it. **Trace-A-Gas<sup>™</sup>** will follow the course of the insulation and will be detectable some distance from the joint depending on the leak size (this is not as accurate as testing the joint directly).
5. Once leak testing is complete and joints have been made leak tight, release the gas to atmosphere ensuring that the area is well ventilated.
6. Ensure manufactures maintenance instructions are followed for the leak detector to ensure optimum detector sensitivity is maintained.
7. Certain solvents in adhesives and thread sealing compounds can cause electronic leak detectors to alarm providing unreliable results. Consideration should be given to the order of work, ie leak detect before gluing insulation. Consult with your branch regarding suitable thread sealing compounds.

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## Benefits of Trace-A-Gas™

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

## Pack Information

SPECIFICATION	'D' SIZE	'E' SIZE	'G' SIZE
Cylinder content	1.5m <sup>3</sup>	3.5m <sup>3</sup>	8.9m <sup>3</sup>
Settled pressure	200 bar	200 bar	200 bar
Cylinder outlet	Type 50	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 AS4332 and Dangerous Goods Regulations for safe storage and handling.