



# A-GAS<sup>®</sup>



## Analytical Services Intelligent Refrigerant Analysis

A-Gas is pleased to release two new Analytical products to support the industry in its decision making on refrigerant re-use and on system preventative maintenance.

Refrigeration systems are high cost and critical application items that need to be protected to ensure they have a long life and are cost efficient in their day to day operation.

### Full Refrigerant Analysis (FRA)

The FRA is designed to analyse refrigerant that customers have taken out of a system and banked for re-use.

Results are expressed in a COA (certificate of analysis) against AHRI700 standard which shows maximum contaminant levels permissible for re-use without causing system damage.

#### Tests carried out:

Purity, composition, moisture, acidity, non-volatile residue, particulates, chloride

- ✓ Provides all information to make an informed decision on refrigerant re-use or having refrigerant professionally reprocessed
- ✓ Remove liability and protect your business, ensure refrigerant quality before re-use
- ✓ Simple to use, safe and convenient

### Refrig Health Check<sup>™</sup> (RHC)

The RHC is designed to provide analysis of oil and refrigerant in a currently operating system.

The results are expressed in a COA (certificate of analysis) with comments on what can be done to improve the health of the system and extend the operating life. This box product contains all equipment needed to take the samples, including a prepaid TNT consignment note to ensure faster analysis turnaround. The RHC is perfect for system troubleshooting or as part of an annual preventative maintenance programme.

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## Tests carried out:

**Refrigerant:** Purity, composition, non-volatile residue, acidity, moisture, chloride, particulates

**Oil:** Moisture, acid number, viscosity, oxidation index, particulates, metal ion analysis (wear)

- ✓ Identify contaminated refrigerant or oil as part of your troubleshooting toolkit
- ✓ A predictive tool that may indicate deterioration of system components (compressors)
- ✓ Extend system working life by proactively resolving contamination issues before breakdown
- ✓ Reduce system downtime and emergency call out costs
- ✓ Provides historical benchmarking of system fluid condition
- ✓ Improve energy efficiency
- ✓ Can form part of your maintenance / leak testing regime to keep systems on existing refrigerant types
- ✓ Use as part of your preventative maintenance programme
- ✓ Fast, convenient, simple and safe to use



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*Speciality Chemicals and Gases*