



A-Gas offers a full range of environmental services for the recovery and reclamation of environmentally sensitive products such as CFCs, HCFCs, HFCs, halon and associated products.

Taking our environmental obligations seriously, we have developed in-house refrigerant reclamation technologies that will separate formerly unusable refrigerant mixtures into reclaimed refrigerant meeting the internationally recognised AHRI 700 standard.

Our complete range of environmental services provides a complete cradle-to-grave solution for our customers:



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A-GAS®



Environmental Services



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Services offered vary worldwide

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A-Gas offers complete refrigerant and halon lifecycle stewardship by enabling end users and contractors to hand responsibility for waste management to A-Gas, enabling them to easily fulfil their legislative and regulatory obligations. By providing an all-inclusive service, A-Gas prevents unnecessary destruction or emissions to the atmosphere along with any associated costs.

Refrigerant and Halon Lifecycle Stewardship

Cleaning, banking and storage

The decanting and cleaning systems at A-Gas allow the efficient processing and bulking up of returned refrigerant and halon from cylinders to metric tonne containers. Contaminants such as oil, acids, moisture and non-condensables are removed by the cleaning process. Reusing recycled refrigerant in this way, or by banking reclaimed materials, A-Gas provides guaranteed access to genuine reclaimed refrigerant when required.



A-Gas offers a full range of reclaimed refrigerant guaranteed to meet AHRI 700 standards. Using in-house bespoke cylinder tracking systems such as Cyltrak™ all reclaimed material can be traced using the cylinder barcode to identify the batch of reclaimed material from which this cylinder has been supplied, enabling full traceability from recovery to reclamation.

Reclaimed Refrigerants



The A-Gas laboratories in the United Kingdom, Australia, South Africa, China and the Americas ensure the supply of superior refrigerants. All tests carried out by A-Gas are compliant with stringent quality control procedures as specified in ISO management systems.

Refrigerant Analysis



These procedures are compliant with AHRI 700. Tests performed at our laboratories include:

- Refrigerant identification
- Purity
- Moisture content
- Acidity
- Residue
- Impurity levels
- R40 (methyl chloride)



A-Gas has mobile recovery units and a large fleet of dedicated recovery/reclaim cylinders, specifically designed for use in product recovery during equipment servicing. Tonne drums and ISO containers are available for recovery of larger volumes of materials.

Recovery / Pump Down



Refrigerant Separation Facilities



A-Gas refrigerant separation facilities contain bespoke technology designed, commissioned and built in-house, offering the very latest technology not only boosting reclaimed supplies but enabling A-Gas to reclaim gases from a cocktail of returned refrigerants.

A-Gas is a market leader in waste refrigerant processing. By splitting mixed refrigerants, A-Gas increases the amount of reclaimed material available and is currently one of the only suppliers who has the technology and capacity to provide this level of service.

Refrigerant Reclamation Process



As part of our commitment to supporting the complete refrigerant lifecycle A-Gas is committed to recovering and reclaiming the maximum amount of refrigerant when equipment reaches the end of its life.



Incoming product

Product is transferred to our sites using document control ensuring international and regional legislation is followed.

- Stage 1:** Documentation check, weight check, composition analysis and streaming
- Stage 2:** Decant from cylinders and removal of non-condensable gases
- Stage 3:** Contaminant removal
- Stage 4:** GC / MS analysis
- Stage 5:** Refrigerant separation (if mixed or cocktail)
- Stage 6:** Bulk storage of reclaimed refrigerant or returned to customer

Destruction



In cases where the reclamation of refrigerants and halon is not possible A-Gas will destroy this material at appropriately licenced premises. A-Gas is committed to working with a diverse group of companies, educational institutions and government entities to manage the removal, transportation and destruction of harmful Ozone Depleting Substances (ODS) recovered from ageing equipment. We help our clients meet their internal sustainability goals in a safe and economically positive manner. This includes Carbon Offset project management throughout the United States.

