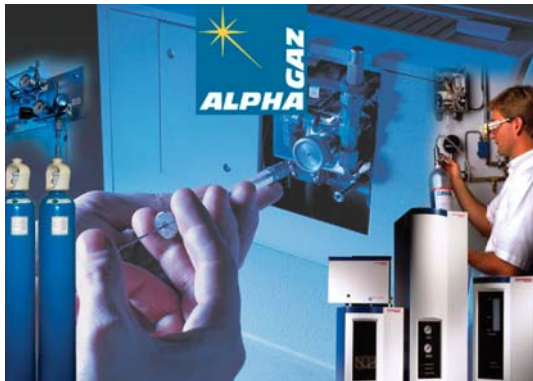


Meeting the specialty gas needs of the laboratory and analysis market through innovation and commitment to service.

Air Liquide is one of the world's largest producers of pure gases. We closely control the quality and consistency of the gases we produce so our customers can be sure of getting the best quality products.



Purity Grades

Air Liquide offers several different grades of pure gases. These grade levels were established after careful study of the applications where they're typically used. We also offer our trademark Alphagaz product line – designed to eliminate some of the complexity common to other specialty gases.

Alphagaz 2 products are recommended for those applications requiring the highest purity products. Alphagaz 1 is designed for everyday laboratory and analytical instrument applications. Alphagaz HP Plus is designed for general-purpose applications where the gas purity level is not critical. Alphagaz 1000 – liquified argon or nitrogen – is recommended for applications like ICP-MS.



On-line specialty gas catalogue

Alphagaz packaging

Scandina Cap

Air Liquide's distinctive Scandina cap is a popular safety feature. Permanently mounted onto the cylinder, the Scandina cap protects the valve while the cylinder is in service or in transit.

Residual Pressure Valve

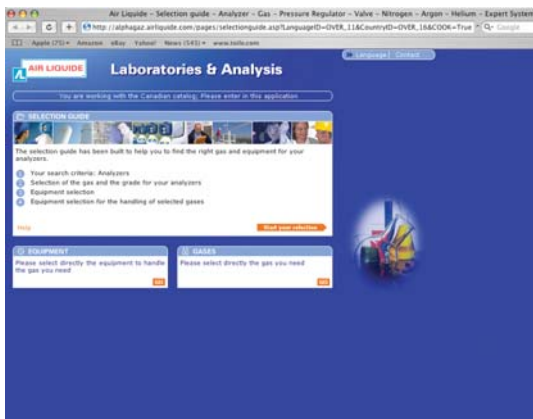
Alphagaz cylinders are equipped with residual pressure valves (RPV) designed to prevent outside air and other gases from flowing back into the cylinder. This ensures gas purity is never compromised by any contaminants that could inadvertently enter the cylinder from outside sources.

Certified Analysis

Tags that clearly indicate the gas properties and levels of impurities are attached to each Alphagaz cylinder.

Alphagaz 1000

The Alphagaz 1000 product line was developed for customers who needed large volumes liquid argon and nitrogen. Cryogenic liquid supply is better suited than compressed gas cylinders for ICP and FTIR instrument applications. Alphagaz 1000 products carry purity identical to Alphagaz 1 grade.



On-line laboratory & analysis wizard to help you identify the gas purity the most adapted to your analytical needs.

Alphagaz Selection Simplicity

The Alphagaz product line is comprised of only three different grades: Alphagaz 2, Alphagaz 1 and HP Plus. The Alphagaz line is designed to eliminate the complexity associated with the many different grade-names and varying specifications of specialty gases offered by other lab-gas suppliers.

The table below summarizes the different grade-names that can be replaced by our Alphagaz grades.

Ask your Air Liquide representative for more information about how Alphagaz can simplify your lab-gas selection process.

Alphagaz Mix

Certain laboratory instruments require standardized gas blends or mixtures of gases. These stock blends include fuel gases for FID detectors, flow-through gases for nuclear detectors, and gases for the operations of special detectors for gas chromatographs.

The Alphagaz Mix product line offers a wide selection of standard mixtures for a variety of laboratory analyzers and applications. Each blend is carefully prepared and analyzed to conform to the instrument manufacturers' specifications. Critical impurities, that may affect instrument performance, are strictly controlled.

Consult our specialty gas catalogue for detailed information on these special laboratory and analytical application products.

GAZ	ALPHAGAZ 2		ALPHAGAZ 1		HP PLUS	
Air	—	—	UHP, Ultra Zero	Zero	High purity, instrument	Dry
Argon	Research	O ₂ Free	UHP	Zero	Chrom.	High purity
Helium	Research	Ultra Carrier	UHP	Zero	Chrom.	High purity
Hydrogen	Research	Ultra Carrier	UHP	Zero	Chrom.	Extra dry
Nitrogen	Research	Ultra Carrier	UHP, Zero	O ₂ Free	Chrom.	High purity
Oxygen	Research	Ultra Ox	UHP, Ultra Zero	Zero	Instrument	Chrom.

Innovation

The hallmark of the Air Liquide Group has always been its commitment to bringing new technologies, ideas and innovations to its valued customers.

Continued simplification, while addressing the expanding needs of the market, is part of the Alphagaz tradition.



Alphagaz Bulk packs



Cylinder regulator



Line regulator



Switchover



Ambien gas monitors and leak detection equipment