



SUPAGAS
YES WE CAN!

The background is a low-angle photograph of a complex industrial plant with numerous white pipes, metal walkways, and scaffolding. Two workers wearing hard hats and safety gear are visible on a platform in the lower-left quadrant. A large, semi-transparent green circle is overlaid on the bottom right of the image, containing the title text.

Specialty and Scientific Gases Guide

Specialty Gases and Equipment

Supagas manufactures and supplies an extensive range of Specialty gas mixtures. This includes High Purity and Ultra High Purity grade (99.999%) gases which are used by a wide range of industries.

Specialty gases are supplied for use in scientific and engineering processes, for stainless steel and specialised welding, instrument calibration, food processing and laser cutting right through to cooling electrical generators in power stations.

All cylinders filled with Specialty gas mixtures are fully vacuumed before refilling. Our calibration is done to the best international standards and we can offer a Certificate of Analysis for all our Specialty gases.

We are able to supply custom gas mixtures on short notice with direct customer access to our laboratory technicians. This means we are able to respond quickly to orders and technical queries.

Our prices are competitive and our deliveries are responsive and designed to meet regular and urgent demands.

Supagas supply a full range of gas control equipment to suit most scientific and research applications. We are able to supply:

- Specialty gas regulators
- Gas reticulation systems
- Cylinder trolleys and restraints
- Hoses
- Fittings
- Flash back arrestors (for flammable and oxidising gases)
- A range of safety products

“The Supagas difference is personal and direct.”



NATA Accreditation

The Supagas Laboratory located in Ingleburn, NSW has a NATA Accreditation (No. 18955). Accredited for compliance with ISO/IEC 17025 and ISO 17034

Calibration Mixtures

Calibration gases are made to order and are used as a reference point for your instruments.

There are three main types:

- **Primary Gravimetric Standard (PGS):** The most accurately known Standard. All components are weighed in the cylinder to very high accuracy.
- **Secondary Standard:** Components are analysed by a laboratory instrument by comparing them to a PGS.
- **Nominal:** Supplied without analysis certificate.

Gas Mixtures

Supagas can make and analyse gas mixtures required at our state of the art facilities, creating and supplying gas mixtures made from High Purity and Ultra High Purity components.

Supagas can supply mixtures to be used as:

- Instrument calibration gases
- Food processing
- Leak detection mixtures
- Gas detector challenge gases
- Laser gas mixtures
- MAP (Modified Atmosphere Packaging)
- Insecticide gas (SupaPy)

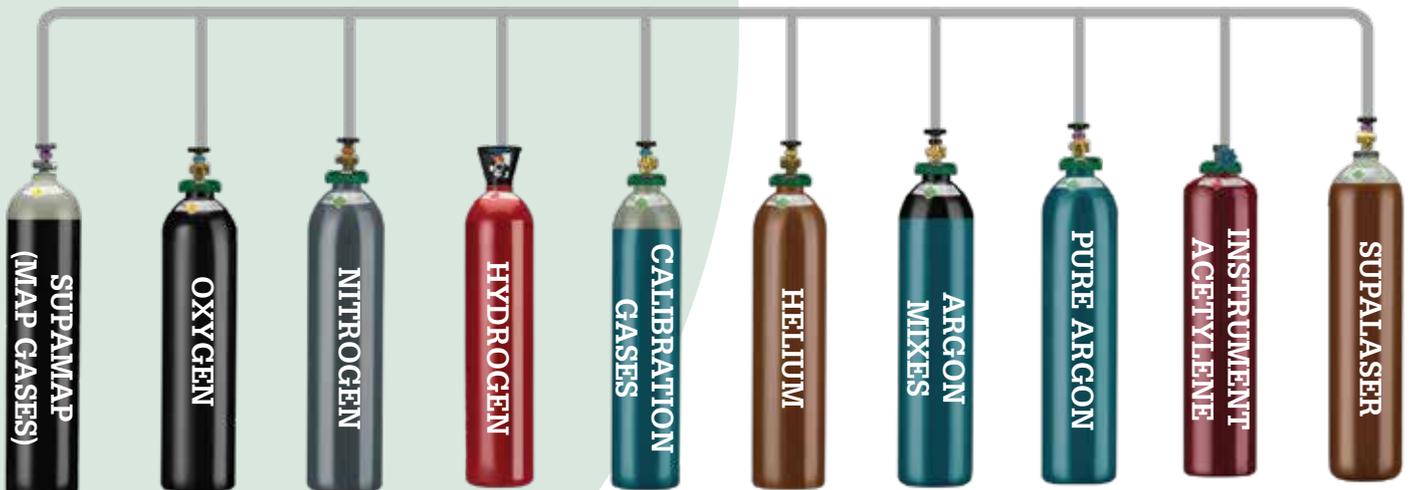
Specialty Gas Equipment: Gas Regulators



Specialty Gas Installation: Gas Pipeline Installation and Equipment



Specialty Gas Range



SUPA Service, Safety and Savings



Supagas prides itself on providing a first class service to all our customers.

In offering;

- No tagging fees
- No immobilisation fees
- Willing to assist with our customer's onsite safety evaluations and training

By understanding your business and the frequency of your deliveries, we can schedule a suitable delivery system to best suit your business – putting you on a scheduled service can reduce your fixed costs.



We also have high pressure packs available!

12 Pack

Specialty Gas Specifications For Pure Gases

If you require High Purity or Ultra High Purity Gases or a Specialty gas mixture, Supagas can supply you with Laboratory Grade Gases for most of your needs.

Gas	Specifications (all units in ppm)					Grade	Basis of QC Analysis
Acetylene							C ₂ H ₂
Instrument						> 98%	Batch
Air	H ₂ O	O ₂	THC ¹	N ₂	CO		Air
Instrument	≤20					>99.997%	Batch
Zero Air	≤3		≤0.5			>99.999%	Individual Cylinder
Argon	H ₂ O	O ₂	THC ¹	N ₂	CO		Ar
High Purity	10	10				>99.995%	Batch
Ultra High Purity	3	2	0.5			>99.999%	Individual Cylinder
Nitrogen	H ₂ O	O ₂	THC ¹	N ₂	CO		N ₂
High Purity	10	10				>99.995%	Batch
Ultra High Purity	3	2	0.5			>99.999%	Individual Cylinder
Carbon Dioxide	H ₂ O	O ₂	THC ¹	N ₂	CO		CO ₂
High Purity	10	10				>99.9%	Batch
Ultra High Purity	8	5	3	30	2	>99.995%	Individual Cylinder
Helium	H ₂ O	O ₂	THC ¹	N ₂	CO		He
High Purity	10	10				>99.995%	Batch
Ultra High Purity	3	2	0.5			>99.999%	Individual Cylinder
Hydrogen	H ₂ O	O ₂	THC ¹	N ₂	CO		H ₂
High Purity	10	10		30		>99.995%	Batch
Ultra High Purity	3	2	0.5	5		>99.999%	Individual Cylinder
Oxygen	H ₂ O	O ₂	THC ¹	N ₂	CO		O ₂
High Purity	10					>99.8%	Batch
Ultra High Purity	3		0.5			>99.999%	Individual Cylinder

Key

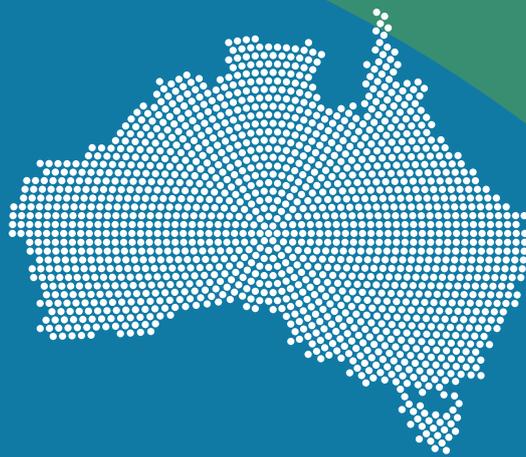
THC¹ = Total Hydrocarbons (as Methane)

Cylinder Size Availability

WC = Water Capacity (Litres) E = 23 Litres (WC) approx

D = 10 Litres (WC) approx G = 50 Litres (WC) approx

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**www.supagas.com.au
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