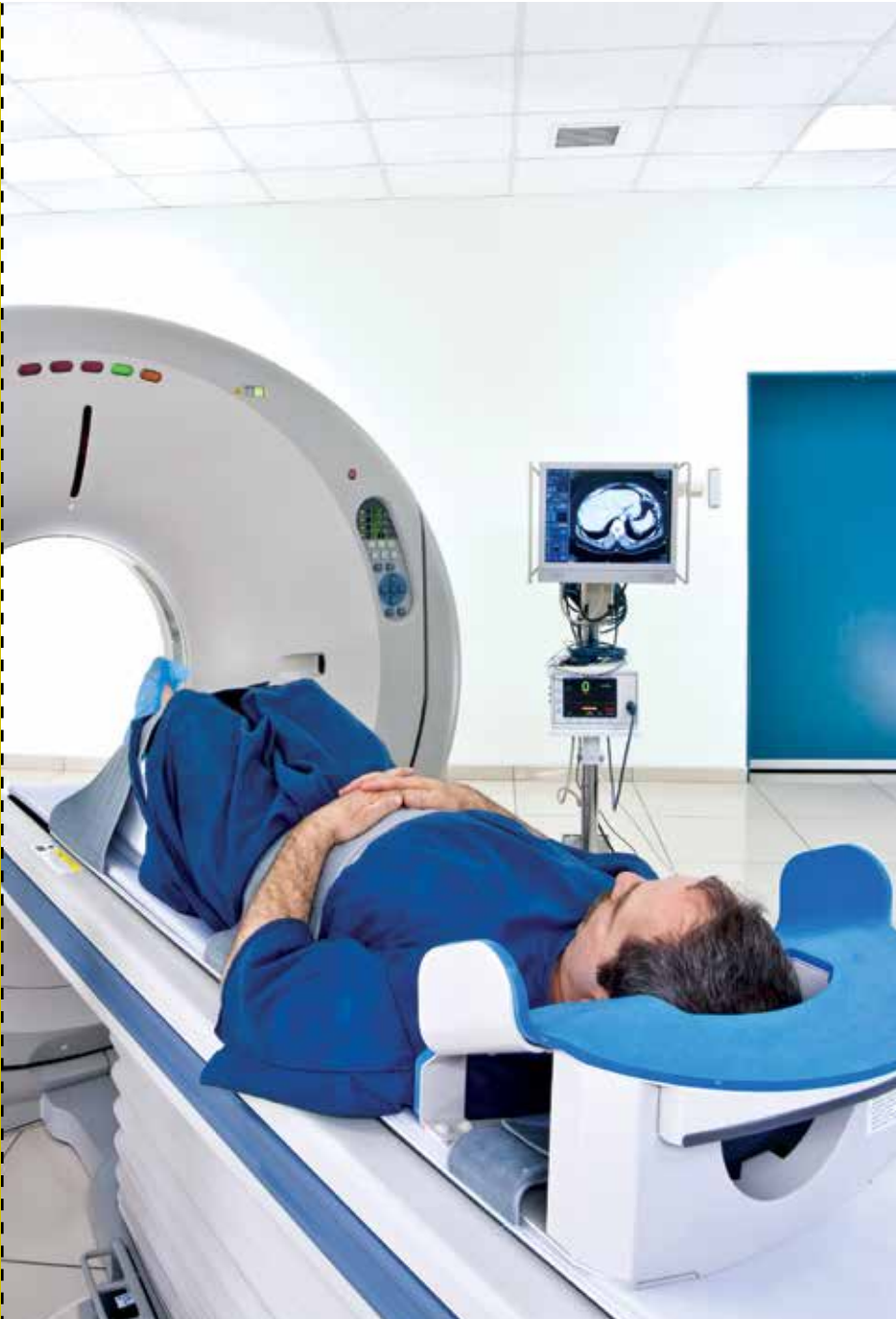


Liquid Helium

Reliable sourcing for sensitive applications



Sensitive applications such as MRIs and NMRs can be steadily supported as Air Liquide has built significant helium capabilities over the years.

Our portfolio of five helium sources spreads geographically across four continents, provides global flexibility and offers reliable and long-lasting access to molecules.

In 2013, Air Liquide started up the world's largest helium purification and liquefaction unit, a project operated by RasGas and known as Qatar II at Ras Laffan Industrial City, Qatar. With this new unit, Air Liquide adds 19 million cubic meters per year to its existing helium capabilities.

Air Liquide differentiates itself by its unique ability to continuously supply such a highly demanded molecule over the coming years.

Air Liquide, a reliable sourcing partner for liquid helium.

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Applications

As the coldest liquid on earth (-269°C), helium is used to cool the magnets in MRI (magnetic resonance imaging) scanners at healthcare institutions and NMR (nuclear magnetic resonance) superconductors used in fundamental research. Any disruption in supply could have serious consequences on both equipment and services. Aware of the level of sensitivity of supply, Air Liquide has secured molecules to avoid shortages to customers and therefore equipment down-time.

Product specifications

Liquid Helium is part of Air Liquide's Alphagaz™ brand and meets the quality standard of Alphagaz 1. Our product exceeds the recommendations of most laboratory instrument manufacturers.

PURITY	MAXIMUM IMPURITIES				
99.999% excluding Neon	O ₂	H ₂ O	CO	CO ₂	THC
	2 ppm	3 ppm	—	—	0.5 ppm

Formats available

We can supply any order of 60 liters and more. All helium dewars are light, maneuverable and durable, while providing superior thermal performance. The unique neck tube design provides proven support during transportation. The outboard caster base provides maximum stability in a compact design. All models are non-magnetic and therefore suitable for MRI & NMR service.

CYLINDER DIMENSIONS	DIAMETER in /cm	HEIGHT in /cm
250L	32.0 / 81.3	67.4 / 171.1
100L	26.0 / 66.0	56.5 / 143.5



Model 100 L



Model 250 L



AIR LIQUIDE

Creative Oxygen

Deliveries can be scheduled across the country. Contact your local representative or call us at 1-800-217-2688.

Air Liquide is the world leader in gases for industry, health and the environment, and is present in 80 countries with close to 50,000 employees. Oxygen, nitrogen, hydrogen and rare gases have been at the core of Air Liquide's activities since its creation in 1902. Using these molecules, Air Liquide continuously reinvents its business, anticipating the needs of current and future markets. The Group innovates for the good of society while delivering profitable growth and consistent performance.

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