



## Cryogenic Refrigeration Nuclear Reactor Applications Lasers Leak Detection Krypton Gas

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Kr
- Minimum Order Quantity: 1 Liter
- Price: US\$1-2/Liter
- Packaging Details: Cylinder
- Delivery Time: One Month
- Payment Terms: L/C, T/T, Western Union
- Supply Ability: 5000 Liter/Year



### Product Specification

- Product Name: Krypton Gas
- Cylinder Pressure: 15MPa/20MPa
- Melting Point: -156.6 °C
- Boiling Point: -153.3°C
- Appearance: Colorless, Odorless
- Purity: 99.999%
- Highlight: Cryogenic Refrigeration Cylinder Gas Krypton, Leak Detection Krypton Gas, Nuclear Reactor Applications Krypton Gas



### More Images



## Product Description

Krypton gas is a chemical element with the symbol Kr and atomic number 36. It belongs to the noble gases group, which also includes helium, neon, argon, xenon, and radon. Krypton is a colorless, odorless, and tasteless gas that is characterized by its high stability and low reactivity. Here are some key points about krypton gas:

**Properties:** Krypton is a monatomic gas, which means it exists as single atoms rather than molecules. It is denser than air and is considered a heavy gas. Krypton is also a poor conductor of heat and electricity.

**Abundance:** Krypton is a relatively rare element in the Earth's atmosphere, with a concentration of about 1 part per million. It is obtained as a byproduct of the production of liquid oxygen and liquid nitrogen through air separation.

**Uses:** Krypton has several practical applications due to its unique properties. One of its primary uses is in lighting, particularly in high-intensity discharge lamps (HID lamps) and fluorescent lamps. Krypton-filled lamps produce a bright white or bluish-white light. Krypton is also used in lasers, such as krypton fluoride lasers, which are employed in scientific research and industrial applications.

**Atomic research:** Krypton is often used in research and scientific experiments to study atomic and molecular structures. Its inert nature and stable isotopes make it suitable for various analytical techniques, including spectroscopy and nuclear magnetic resonance (NMR) spectroscopy.

**Medical imaging:** Krypton-81m, a radioactive isotope of krypton, is used in medical imaging techniques like single-photon emission computed tomography (SPECT). It emits gamma radiation, which can be detected by specialized imaging equipment to create detailed images of internal organs and tissues.

**Cryogenics:** Krypton has some applications in cryogenics, such as cooling infrared detectors and superconducting materials. Its low boiling point (-153.4°C or -244.1°F) makes it useful in maintaining low temperatures.

It's worth noting that krypton gas is generally considered non-toxic and doesn't pose a significant health hazard. However, like other noble gases, it can displace oxygen in confined spaces and lead to asphyxiation if present in high concentrations.

DOT Class	2.1	Un No	1056
Cylinde	GB/ISO/DOT	Cylinder Pressure	15MPa/20MPa
Valve	Cga580	Melting Point	-156.6 °C
Appearance	Colorless, Odorless	Boiling Point	-153.3 °C
Density	3.376 Kg/m³	Molecular Weight	4.0026
Transport Package	40L/47L/50L	Specification	100.00%
Trademark	CMC	Origin	China
HS Code	28042900	Production Capacity	5000 M3/Year

Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc., Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative, reliable, and safe. Our products mainly include: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.



 Shanghai Kemike Chemical Co.,Ltd

 +86 18762990415

 [williamchen@cmc-chemical.com](mailto:williamchen@cmc-chemical.com)

 [gascylindertank.com](http://gascylindertank.com)