



## Cylinder Krypton Gas Air Separation Cryogenic Research HID Lamps Lighting Monatomic

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Kr
- Minimum Order Quantity: 1L
- Price: US \$0.8/L
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Supply Ability: 50000L/Year



### Product Specification

- Product Name: Krypton Gas
- Valve: Cga580
- Appearance: Colorless, Odorless
- Cylinder Pressure: 15MPa/20MPa
- Cylinder: GB/ISO/DOT
- Transport Package: 40L/47L/50L
- Specification: 40L/47L/50L
- Trademark: CMC
- Origin: China
- HS Code: 28042900
- Supply Ability: 5000
- CAS No.: 7439-90-9
- Formula: Kr
- EINECS: 231-098-5
- Constituent: Industrial Pure Air



### More Images



## Product Description

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Krypton gas is a chemical element with the symbol Kr and atomic number 36. It is a noble gas, which means it belongs to the group of inert gases that are generally non-reactive. Krypton is a colorless, odorless, and tasteless gas that is present in trace amounts in the Earth's atmosphere.

Here are some key points about krypton gas:

**Properties:** Krypton is a monatomic gas, meaning it exists as individual atoms rather than molecules. It has a density greater than air and is slightly soluble in water. Krypton is characterized by its relatively high boiling and melting points compared to other noble gases.

**Abundance:** Krypton is a rare gas, accounting for only about 1 part per million of the Earth's atmosphere. It is extracted as a byproduct of the production of liquid oxygen and liquid nitrogen.

**Uses:** Krypton gas has several practical applications. One of its most well-known uses is in lighting. Krypton-filled incandescent bulbs and fluorescent lamps produce a bright white light. Krypton is also used in certain types of lasers, such as krypton fluoride lasers, which find applications in scientific research and industrial processes.

**Nuclear reactors:** Krypton-85, an isotope of krypton, is produced in nuclear reactors as a byproduct of fission reactions. It is radioactive and has a relatively long half-life. Krypton-85 is used in various applications, including leak detection in sealed systems and as a tracer gas in environmental studies.

**Medical imaging:** Krypton-81m, another radioactive isotope of krypton, is used in nuclear medicine for lung ventilation studies. It can be inhaled by a patient and detected using specialized imaging techniques, providing information about lung function and airflow.

**Inert atmosphere:** Krypton is sometimes used as a component of mixtures to create inert atmospheres for certain industrial processes, such as welding, to prevent oxidation and unwanted reactions.

It's worth noting that krypton gas is not considered hazardous to human health in normal concentrations. However, like other noble gases, it can displace oxygen in enclosed spaces and lead to asphyxiation if present in high concentrations.

#### Basic Info.

DOT Class	2.1	Un No	1056
Cylinder	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/m <sup>3</sup>	Molecular Weight	4.0026
Transport Package	40L/47L/50L	Specification	100.00%
Trademark	CMC	Origin	China
HS Code	28042900	Production Capacity	5000 M3/Year

## PRODUCT



Specification	Company Standard
Kr	≥ 99.999%
O <sub>2</sub>	≤ 0.5 ppm
N <sub>2</sub>	≤ 2.0 ppm
Moisture	≤ 0.5 ppm
Ar	≤ 2.0 ppm
CO <sub>2</sub>	≤ 0.5 ppm
Xe	≤ 2.0 ppm
CF <sub>4</sub>	≤ 0.5 ppm
H <sub>2</sub>	≤ 0.5 ppm

## PRODUCT DETAILS



## PRODUCT LINE



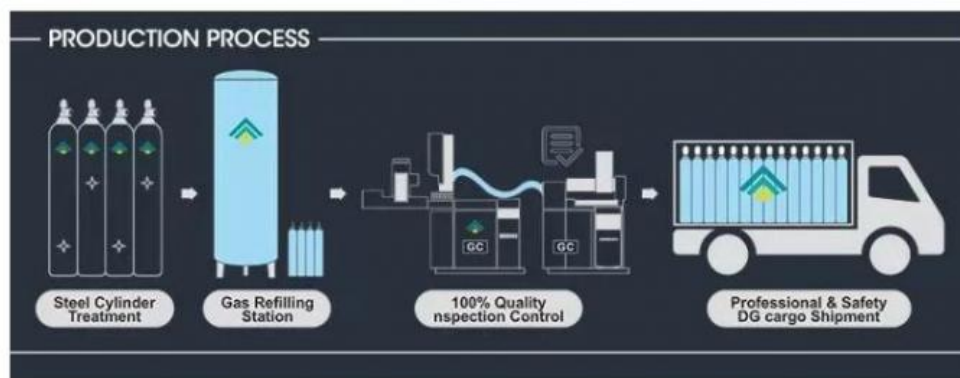
Detailed Photos



#### Company

**Profile**  
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.





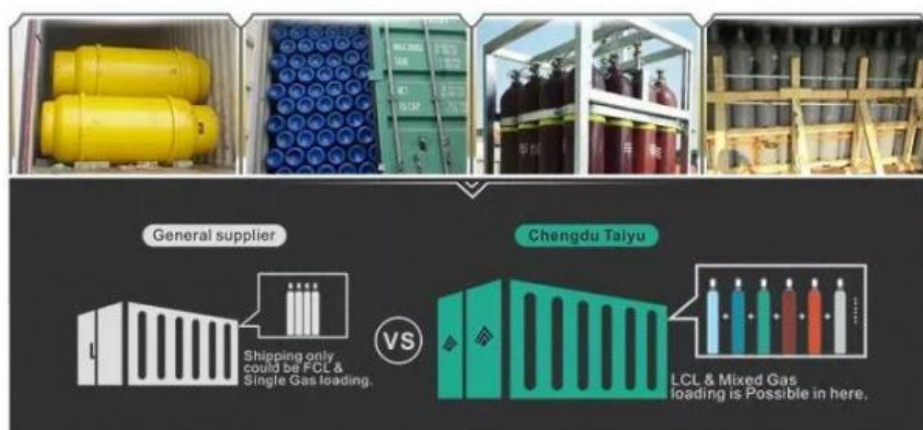
## Factory display



Packaging &

Shipping

## PACKING & SHIPPING



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