



Factory Price China Wholesale High Purity Cylinder Gas Kr Krypton

Our Product Introduction

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%



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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 present in the Earth's atmosphere in trace amounts, making up about 1 part per million by volume.

Here are some key characteristics and uses of krypton gas:

Properties: Krypton is a monatomic gas, meaning it exists as individual atoms rather than forming molecules. It is relatively dense compared to other noble gases. Krypton is non-reactive and has a high ionization energy, making it chemically inert under normal conditions.

Applications: Krypton gas has various commercial and scientific applications, primarily due to its unique properties:

Lighting: Krypton is commonly used in certain types of high-intensity discharge (HID) lamps, such as krypton-filled incandescent bulbs and fluorescent lamps. These lamps produce a bright white light when an electric current passes through krypton gas, making them suitable for applications like photography, film projection, and high-speed photography.

Laser technology: Krypton lasers are utilized in scientific research, medicine, and industry. They emit laser light in the visible and ultraviolet spectrum, enabling applications such as laser light shows, scientific measurements, and laser surgery.

Insulation: Krypton's low thermal conductivity makes it useful as an insulating gas in double-paned windows. By filling the space between two glass panes with krypton gas, heat transfer through the window is reduced, resulting in improved energy efficiency and insulation.

Particle detectors: Krypton is employed in certain types of particle detectors, such as time projection chambers used in nuclear and particle physics experiments. Krypton gas is ionized by passing charged particles through it, and the resulting signals can be measured to study the properties of particles.

Isotopes: Krypton has several stable isotopes, including krypton-84, krypton-86, krypton-82, and krypton-83. Isotopes of krypton are used in various scientific and medical applications, such as in the field of radiometric dating and as tracers in medical imaging techniques.

It's worth noting that while krypton gas has various practical uses, it is not typically found in large quantities in the Earth's atmosphere. Its primary source is through fractional distillation of liquid air, where it can be separated from other gases.

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

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