



China High Pure 5n Helium Gas Specialty Cylinder Gas Helium

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: He
- Minimum Order Quantity: 1 Piece
- Price: US \$300/PC
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 3000 Pcs/Month



Product Specification

- Product Name: Helium Gas
- Purity: 99.9%-99.999%
- Formular: He
- Appearance: Colorless Gas
- Filling Pressure: 150 Bar-200 Bar
- Transport Package: He Cylinder
- Specification: 40L, 47L, 50L
- Trademark: CMC
- Origin: China
- HS Code: 28042900
- CAS No.: 7440-59-7
- Formula: He
- EINECS: 231-168-5
- Constituent: Industrial Pure Air
- Grade Standard: Industrial Grade



More Images



Product Description

CMC Pure 5n Helium Specialty Gas Cylinder Customized

Helium gas (He) is a colorless, odorless, and inert noble gas. It is the second lightest element in the periodic table, and it belongs to the group of elements known as noble gases. Here are some key points about helium gas:

Chemical Composition: Helium is a chemical element with the atomic number 2, meaning it has 2 protons in its nucleus. Its atomic symbol is He.

Properties: Helium possesses several important properties:

Inertness: Helium is chemically inert, meaning it does not readily react with other substances. It is non-toxic and does not form compounds with other elements under normal conditions.

Density: Helium is lighter than air and has a density that is approximately 0.14 times that of air. This property makes it useful for applications where buoyancy is desired, such as in balloons and airships.

Low Boiling and Melting Points: Helium has a boiling point of -268.93 degrees Celsius (-452 degrees Fahrenheit) and a melting point of -272.2 degrees Celsius (-458 degrees Fahrenheit). These extremely low temperatures make helium useful in cryogenic applications.

Thermal Conductivity: Helium has exceptional thermal conductivity, which means it can transfer heat very efficiently. This property makes it useful in cooling applications, such as in cryogenics and superconductivity research.

Occurrence and Production: Helium is relatively rare on Earth and is primarily obtained as a byproduct of natural gas extraction. It is formed through the radioactive decay of heavy elements, such as uranium and thorium, in the Earth's crust. However, it can escape the Earth's atmosphere over time due to its lightness.

Uses: Helium gas has various applications:

Balloons and Airships: Helium is widely used to fill balloons and airships due to its low density, which provides buoyancy.

Cryogenics: Helium is extensively used in cryogenic applications, such as cooling superconducting magnets in MRI machines, particle accelerators, and research laboratories. Its low boiling point allows it to achieve extremely low temperatures.

Welding: Helium is used in certain types of welding, such as tungsten inert gas (TIG) welding, to create an inert atmosphere and prevent oxidation of the metal being welded.

Gas Chromatography: Helium is commonly used as a carrier gas in gas chromatography, a technique used for separating and analyzing chemical compounds.

Leak Detection: Helium is employed in leak detection methods, particularly in industries such as refrigeration and air conditioning, where finding and fixing leaks is critical.

Breathing Mixtures: Helium-oxygen mixtures, known as heliox, are used in certain medical treatments for patients with respiratory conditions.

Conservation and Availability: Helium is a finite resource, and its availability may be limited in the future. Due to its importance in various applications, there are efforts to conserve helium and promote its responsible use.

It is important to handle and use helium gas safely, following appropriate guidelines and regulations. Helium gas cylinders should be stored, transported, and handled with care to minimize any potential risks.

Basic Info.

DOT Class	2.2	Un Number	1963
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Qf-2/Cga580	Melting Point	-272.2 °C
Appearance	Colorless, Odorless	Boiling Point	-272.2 °C
Density	0.1786 Kg/M3	Molecular Weight	4.0026
Transport Package	40L, 47L, 50L	Specification	99.999%, 99.9999%
Trademark	CMC	Origin	Suzhou, China
HS Code	28042900	Production Capacity	20,000 Tons/Yea





Helium, the least reactive element. Helium is normally a colorless, odorless gas and is the only substance that cannot solidify at standard atmospheric pressure.

Specification:

Specification Company Standard

He	$\geq 99.999\%$
N ₂	≤ 2.0 ppm
O ₂ +AR	≤ 1.0 ppm
H ₂	≤ 1.0 ppm
CO	≤ 0.5 ppm
CO ₂	≤ 0.5 ppm
Ne	≤ 1.0 ppm
CH ₄	≤ 0.5 ppm
Moisture	≤ 0.5 ppm

Company Profile

About us



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: H₂, O₂, N₂, Ar, CO₂, propane, acetylene, helium, laser mixed gas, SiH₄, SiH₂Cl₂, SiHCl₃, SiCl₄, NH₃, CF₄, NF₃, SF₆, HCL, N₂O, doping mixed gas (TMB, PH₃, B₂H₆) and other electronic gases.

SiCl ₄	NH ₃	NH ₃	CH ₃ F	SiH ₄	Kr	H ₂ S	WF ₆	F ₆ +Cl ₂
4MS	C ₃ F ₈	C ₃ F ₈	TEOS	CH ₄	PH ₃	SF ₆	C ₂	HCl+Ne
CF ₄	C ₄ F ₈	SiH ₂						TMB+H ₂
SiF ₄	C ₃ H ₈	Cl ₂						He +As
BBr ₃	C ₃ H ₆	DCE						Ge+Se
POCl ₃	N ₂	SO ₂						D+B
BCl ₃	D ₂	CO ₂						CO+NO
SiHCl ₃	CH ₂ F ₂	HF						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂			
GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO			



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