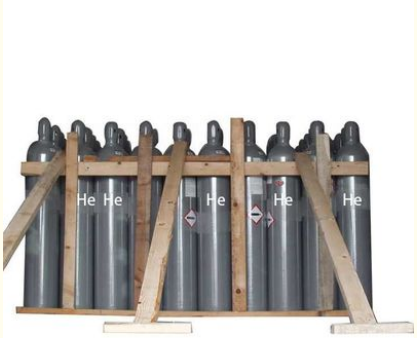
5n Cylinder Gas Helium For Welding And Cooling Superconducting Magnets

Our Product Introduction

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

Our Product Introduction

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Product Description

5n Cylinder Gas Helium for Welding and Cooling Superconducting Magnets Helium

Helium gas is a chemical element with the atomic number 2 and the symbol He on the periodic table. It is a colorless, odorless, and tasteless gas that belongs to the noble gas group. Helium is the second lightest and second most abundant element in the universe, after hydrogen.

Properties and Characteristics of Helium Gas:

Density: Helium is lighter than air and has a density that is approximately one-seventh of that of air.

Boiling and Melting Points: Helium has the lowest boiling and melting points of any element. It boils at -268.93 degrees Celsius (-452 degrees Fahrenheit) and solidifies at -272.2 degrees Celsius (-458 degrees Fahrenheit).

Inert and Non-Toxic: Helium is chemically inert, meaning it does not readily react with other substances. It is also non-toxic and does not support combustion.

Low Solubility: Helium is sparingly soluble in water and other liquids.

Thermal Conductivity: Helium has the highest thermal conductivity of any substance, making it useful in cryogenics and cooling applications.

Superfluidity: At extremely low temperatures near absolute zero, helium can undergo a phase transition and become a superfluid with unique properties, such as zero viscosity.

Uses of Helium Gas:

Balloons: Helium is commonly used to fill balloons, as it is lighter than air and allows them to float.

Scientific Research: Helium is crucial for various scientific research applications, such as in cryogenics, superconductivity studies, and cooling magnets in particle accelerators.

Welding and Gas Shielding: Helium is used in certain types of welding, such as tungsten inert gas (TIG) welding, where it provides an inert atmosphere and prevents oxidation of the weld.

Leak Detection: Due to its low density, helium is used as a tracer gas to detect leaks in various systems, including pipelines, containers, and vacuum systems.

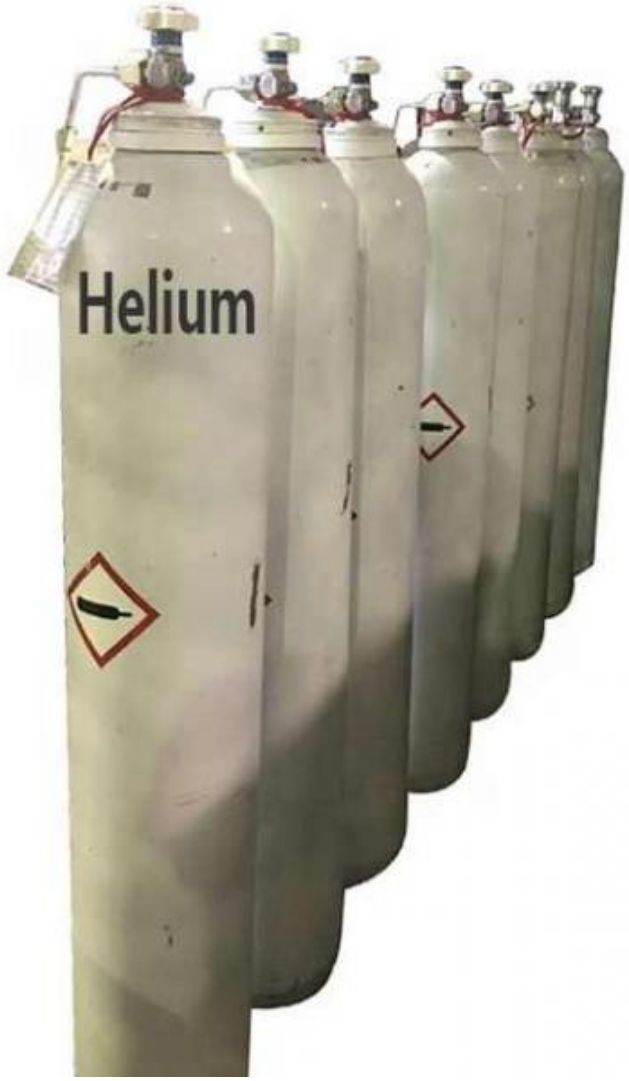
Breathing Mixtures: Helium-oxygen mixtures are used in deep-sea diving and medical applications for their low density and reduced narcotic effects compared to nitrogen-oxygen mixtures.

MRI Imaging: Liquid helium is used to cool the magnets in magnetic resonance imaging (MRI) machines, allowing for precise imaging of the human body.

It's worth noting that helium is a finite resource on Earth, and its availability is limited. It is primarily extracted as a byproduct during natural gas drilling, and conservation efforts are important to ensure its responsible use.

Basic Info.

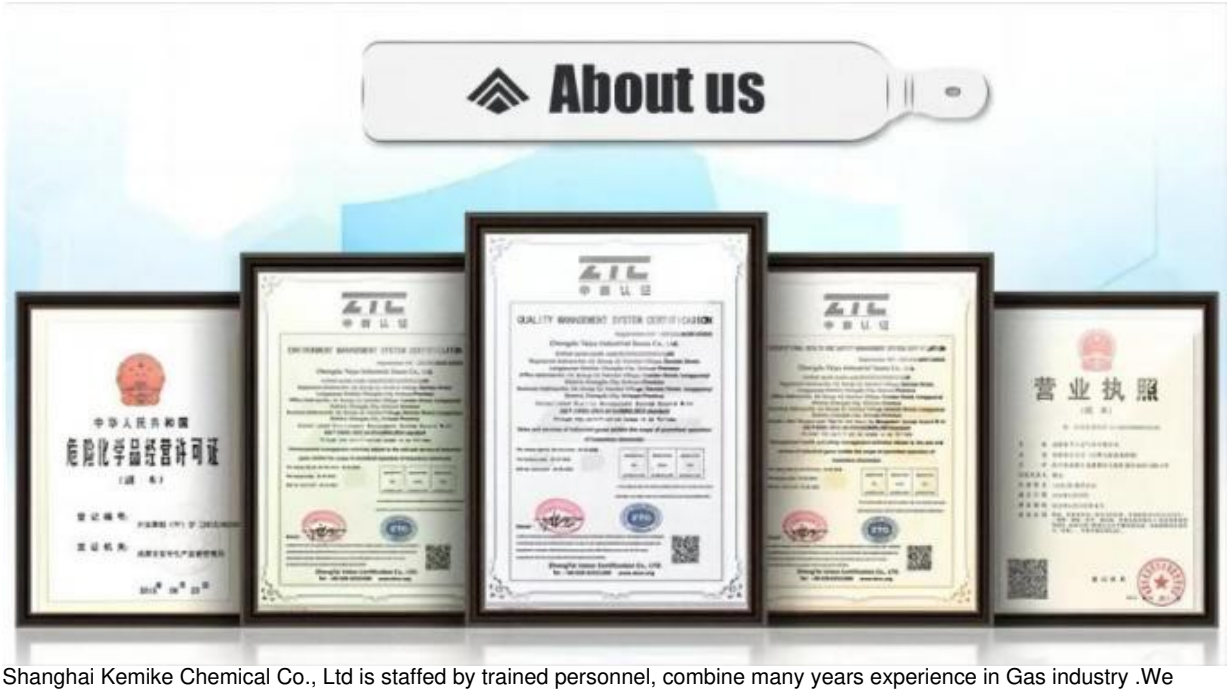
DOT Class	2.2	Un Number	1963
Cylinder Standard	DOT/ISO/GB	Cylinder Pressure	15MPa/20MPa
Valve	Qf-2/Cga580	Melting Point	-272.2 ºC
Appearance	Colorless, Odorless	Boiling Point	-272.2 ºC
Density	0.1786 Kg/M3	Molecular Weight	4.0026
Transport Package	40L, 47L, 50L	Specification	99.999%, 99.9999%
Trademark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



Specification:

Specification	Company Standard
He	≥ 99.999%
N2	≤ 2.0 ppm
O2+AR	≤ 1.0 ppm
H2	≤ 1.0 ppm
CO	≤ 0.5 ppm
CO2	≤ 0.5 ppm
Ne	≤ 1.0 ppm
CH4	≤ 0.5 ppm
Moisture	≤ 0.5 ppm

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: 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.

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