High Purity Cylinder Gas Helium Cryogenic Refrigerant Factory Price

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
- Cylinder Pressure: 15MPa/20MPa
- Melting Point: -272.2 C
- Valve: Qf-2/Cga580
- Cylinder Standard: DOT/ISO/GB
- Appearance: Colorless, Odorless
- Transport Package: He Cylinder
- Specification: 4L 8L 40L 47L 50L
- Trademark: CMC
- Origin: China
- HS Code: 2812191090
- Supply Ability: 3000piece/Month
- CAS No.: 7440-59-7
- Formula: Heunno.;Un1046casn
- EINECS: 231-168-5

More Images

Product Description

Product Description

Helium gas is a chemical element with the symbol He and atomic number 2. It is the second lightest element in the periodic table, after hydrogen. Here are some key points about helium gas:

Chemical Symbol: He

Atomic Number: 2

Atomic Weight: 4.0026 g/mol

Physical Properties: Helium is a colorless, odorless, tasteless, and non-toxic gas at standard conditions. It is lighter than air and has a density of approximately 0.1785 grams per liter at 0 degrees Celsius and 1 atmosphere of pressure. Helium has a boiling point of -268.93 degrees Celsius (-452.07 degrees Fahrenheit) and a melting point of -272.2 degrees Celsius (-457.96 degrees Fahrenheit).

Abundance and Occurrence: Helium is the second most abundant element in the universe, but it is relatively rare on Earth. It is primarily obtained as a byproduct during the extraction of natural gas, where it is present in small amounts.

Applications: Helium gas has several important applications. One of its most well-known uses is in inflating balloons and airships due to its low density, which causes objects to float. It is also used in cryogenics to cool superconducting magnets in MRI machines, particle accelerators, and other scientific equipment. Helium is used as a shielding gas in welding processes to protect the weld from atmospheric contamination. It is also utilized in various research and scientific applications, such as in gas chromatography and as a carrier gas in analytical instruments.

Liquid Helium: Helium can be cooled to extremely low temperatures, below its boiling point, to become a liquid. Liquid helium is used in low-temperature physics, superconductivity experiments, and as a coolant for certain applications.

Helium-3: Helium-3, an isotope of helium, is used in various research applications, including nuclear research, cryogenics, and as a neutron moderator in certain types of nuclear reactors.

Helium as a Non-Renewable Resource: Helium is considered a non-renewable resource because once it is released into the atmosphere, it escapes the Earth's gravity and is lost to space. Its availability is limited, and there are concerns about its future supply and increasing costs.

Safety Considerations: Helium gas is generally considered to be safe since it is non-toxic and non-flammable. However, it can displace oxygen in poorly ventilated areas, leading to asphyxiation risks. Proper handling and ventilation are important when working with helium gas.

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	10L,40L, 47L, 50L	Specification	99.999%, 99.9999%
Trademark	CMC	Origin	China
HS Code	28042900	Production Capacity	20, 000 Tons/Year

Specification:

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	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

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: 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.

SiCl4	NH3	NH3	CH3F	SiH4	Kr	H2S	WF6	F6+Cl2
4MS	C3F8	C3F8	TEOS	CH4	PH3	SF6	C2	HCl+Ne
CF4	C4F8	SiH2						TMB+H2
SiF4	C3H8	Cl2						He +As
BBr3	C3H6	DCE						Ge+Se
POCl3	N2	SO2						D+B
BCl3	D2	CO2						CO+NO
SiHCl3	CH2F2	HF	AsH3	C2H4	C2H2	HBr	COS	Ar+O2
TMAl	DMZn	DEZn	GeH4	C2H6	B2H6	H2Se	GeCl4	Xe+NO

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