China Cooling Superconducting Magnets Filling Balloons Cylinder Gas Helium

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

China cooling superconducting magnets filling balloons Cylinder Gas Helium

Helium gas, symbolized as He, is an element found in the periodic table with atomic number 2. It is the second lightest and second most abundant element in the universe. Helium is a noble gas belonging to Group 18. 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, and tasteless 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 found in underground reservoirs.

Applications: Helium gas has a range of applications in different fields. It is commonly used for filling balloons and airships due to its low density, which enables them to float in the air. Helium is also used as a cooling agent in various scientific and industrial applications, particularly in cryogenics. It is essential for cooling superconducting magnets in magnetic resonance imaging (MRI) machines and particle accelerators. Helium is also used in welding, as a protective gas in certain manufacturing processes, and in certain types of detectors.

Liquid Helium: Helium can exist as a liquid at extremely low temperatures. Liquid helium is used in low-temperature research, superconductivity experiments, and cooling applications where very low temperatures are required.

Safety Considerations: Helium gas is generally considered to be non-toxic and does not pose significant health hazards. It is also non-flammable. However, as with any compressed gas, proper handling, storage, and ventilation are important to ensure safety.

Helium Shortage: Helium is a finite resource, and there have been concerns about its availability in recent years. The demand for helium has increased in various industries, while the natural gas reservoirs that contain helium are limited. This has led to periodic helium shortages and increased prices.

Helium as a Scientific Tool: Helium is widely used in scientific research, particularly in fields like cryogenics, superconductivity, and quantum physics. It enables scientists to study and manipulate matter at extremely low temperatures and investigate unique physical phenomena.

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

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	≥ 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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