



## Compact 5n Cylinder Gas Helium For Balloon Filling

Our Product Introduction

for more products please visit us on [gascylindertank.com](http://gascylindertank.com)

### 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

### Gas Helium for Balloon Filling

Helium gas is a chemical element with the symbol He and atomic number 2. It is a colorless, odorless, and tasteless gas that belongs to the noble gases group in the periodic table. Helium is the second lightest element after hydrogen and exists as a monatomic gas under standard conditions.

Properties of Helium Gas:

Density: Helium is less dense than air, which is why it can cause objects filled with air to float or rise, such as helium-filled balloons.

Boiling Point: Helium has a very low boiling point of -268.93 degrees Celsius (-452.07 degrees Fahrenheit), making it one of the coldest substances on Earth.

Melting Point: Helium has an extremely low melting point of -272.20 degrees Celsius (-457.96 degrees Fahrenheit).

Non-reactivity: Helium is chemically inert, meaning it does not readily react with other elements or compounds. This inertness makes it useful in various applications.

Thermal Conductivity: Helium has excellent thermal conductivity, making it useful in cooling applications, such as in cryogenics and superconductivity research.

Uses of Helium Gas:

Balloons: One of the most well-known uses of helium is filling balloons for parties, events, and celebrations. The low density of helium causes balloons to float.

Airships and Blimps: Helium's lightness and non-flammability make it suitable for use in airships and blimps as a lifting gas.

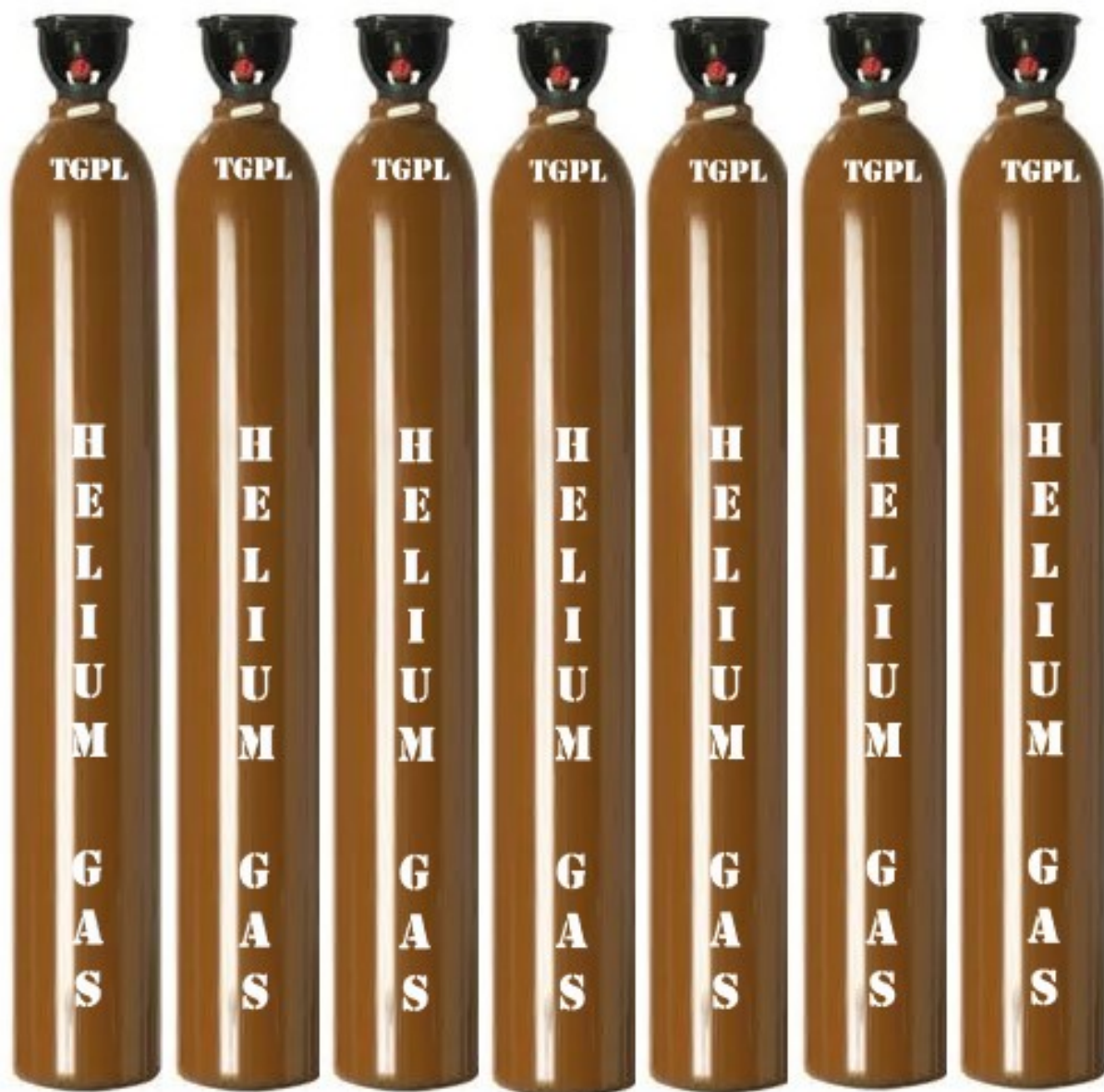
Cooling: Helium's low boiling point makes it ideal for cooling applications, especially in cryogenics, superconductivity research, and cooling magnets in medical MRI machines.

Welding and Leak Detection: Helium is often used in welding processes to shield the weld area from atmospheric gases. It is also employed as a tracer gas for leak detection due to its low reactivity and ability to diffuse rapidly.

Breathing Mixtures: Helium-oxygen mixtures are used in deep-sea diving and medical applications to reduce the risk of decompression sickness. It's worth noting that helium is a limited resource on Earth and its supply is not renewable. It is primarily obtained as a byproduct of natural gas extraction, and conservation efforts are in place 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 °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





**Specification:**

Specification Company Standard

He	$\geq 99.999\%$
N <sub>2</sub>	$\leq 2.0$ ppm
O <sub>2</sub> +AR	$\leq 1.0$ ppm
H <sub>2</sub>	$\leq 1.0$ ppm
CO	$\leq 0.5$ ppm
CO <sub>2</sub>	$\leq 0.5$ ppm
Ne	$\leq 1.0$ ppm
CH <sub>4</sub>	$\leq 0.5$ ppm
Moisture	$\leq 0.5$ 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: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

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



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