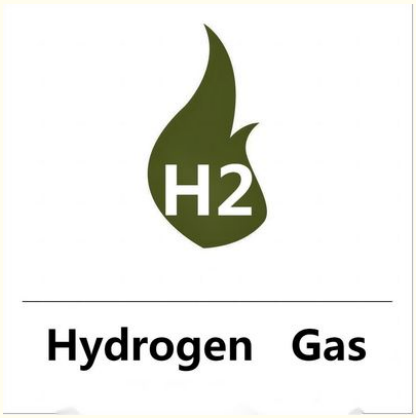
4n H2 Hydrogen Cylinder Gas 99.99% High Purity For Industrial Processes Welding

Our Product Introduction

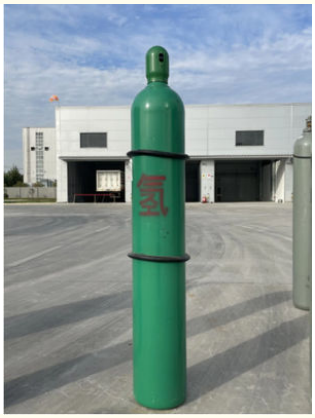
Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: H2
- Minimum Order Quantity: 1 Piece
- Price: US $25/PC
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 2000 Pcs/Month



Product Specification

- Product Name: Hydrogen Gas
- Valve: Qf-30A/Cga350
- Boiling Point: -252.77ºC(20.28K)
- Melting Point: -259.2ºC(14.01K)
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Cylinder Standard: GB/ISO/DOT
- Transport Package: Sea Transportation
- Specification: 4L 8L 40L 50L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 2804290000
- Supply Ability: 5000piece/Month
- CAS No.: 1333-74-0
- Formula: H2
- EINECS: 215-605-7



More Images

Product Description

Product Description

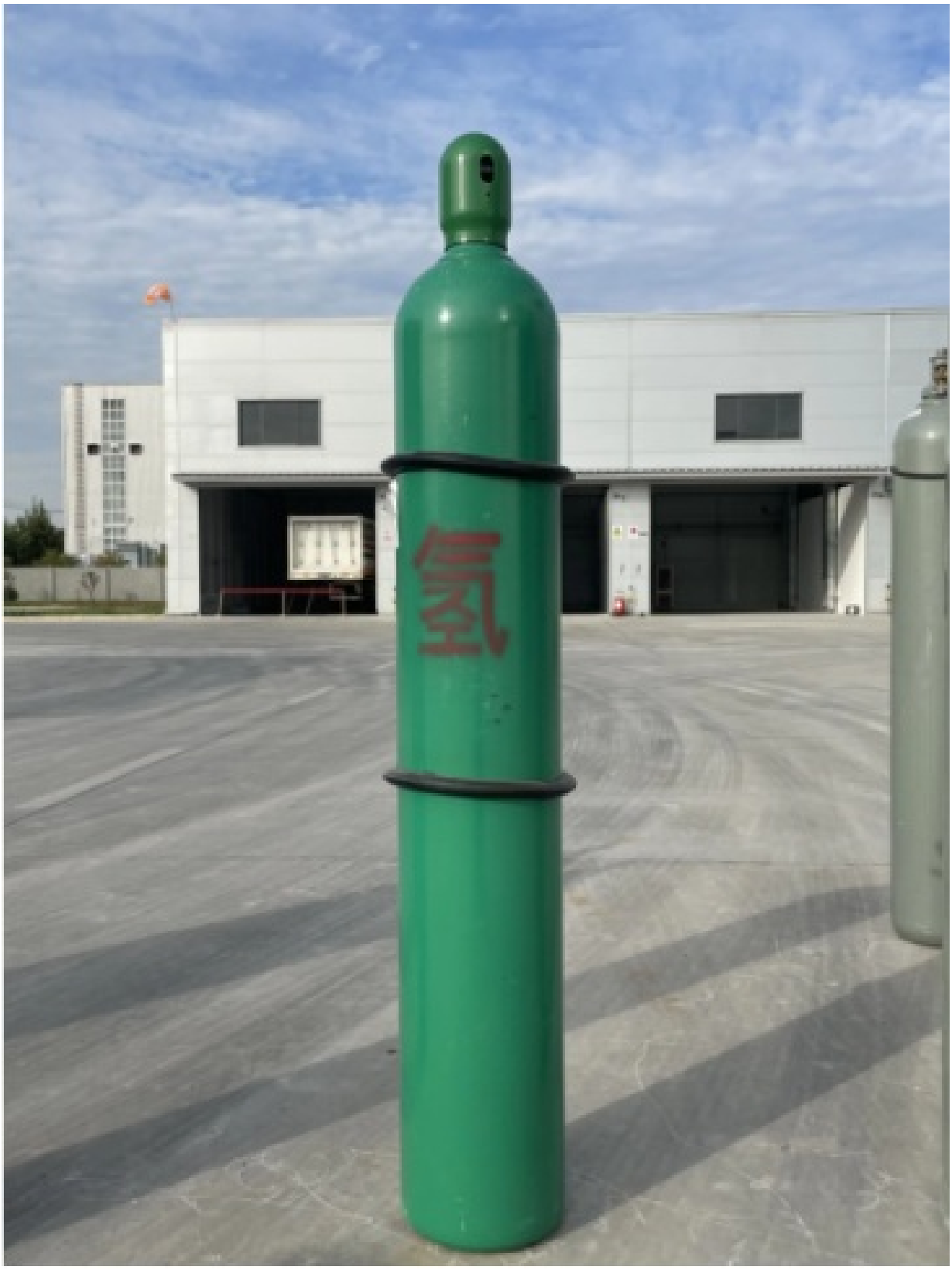
Hydrogen gas, often denoted as H2, is a colorless, odorless, and highly flammable gas. It is the lightest and most abundant element in the universe, making up about 75% of its elemental mass. Hydrogen gas consists of two hydrogen atoms bonded together by a covalent bond.
Properties of Hydrogen Gas:
Flammability: Hydrogen gas is highly flammable and can burn in air or oxygen with a pale blue flame. It has a low ignition energy, which means it can ignite easily even with a small spark or heat source.
Density: Hydrogen gas is significantly less dense than air. It is about 14 times lighter than air, which is why it tends to rise rapidly when released.
Reactivity: Hydrogen gas can react with various elements and compounds under appropriate conditions. For example, it can react with oxygen to produce water, releasing a significant amount of energy in the process. This property makes hydrogen a potential energy carrier and a candidate for clean fuel.
Low boiling and melting points: Hydrogen has a boiling point of -252.87 degrees Celsius (-423.17 degrees Fahrenheit) and a melting point of -259.16 degrees Celsius (-434.49 degrees Fahrenheit). These extremely low temperatures are close to absolute zero, making hydrogen a gas under normal conditions.
Uses of Hydrogen Gas:
Energy Production: Hydrogen gas can be used as a fuel in various applications, including fuel cells and combustion engines. When hydrogen reacts with oxygen in a fuel cell, it produces electricity, with water as the only byproduct. This process offers a clean and efficient way to generate power.
Industrial Processes: Hydrogen gas is utilized in the production of ammonia for fertilizers, petroleum refining processes, and the synthesis of various chemicals. It is also employed in the hydrogenation of oils and fats in the food industry.
Balloons and Airships: Due to its low density, hydrogen gas has historically been used as a lifting gas in balloons and airships. However, its flammability poses significant safety risks, and helium is now preferred for these purposes due to its non-flammable nature.
Welding: Hydrogen gas is used in certain types of welding, such as atomic hydrogen welding and hydrogen torch welding. These processes utilize the intense heat generated by the combustion of hydrogen to melt and join metal parts.
Research and Laboratory Applications: Hydrogen gas finds applications in various scientific research, such as a carrier gas in gas chromatography, a reducing agent in certain chemical reactions, and as a calibration standard for analytical instruments.
It's important to handle hydrogen gas with caution due to its flammability and potential explosive nature. Safety measures and proper handling procedures should be followed when working with or storing hydrogen gas.

Basic Info.

Model NO.	H2	Pressure	13.5MPa/15Mpa
Electronic Grade	Electronic Grade	Cylinder	40L/50L
Purity	99.999%	Transport Package	Sea Transportation
Specification	40L/50L 99.9999%	Trademark	CMC
Origin	suzhou	Production Capacity	5000piece/Month

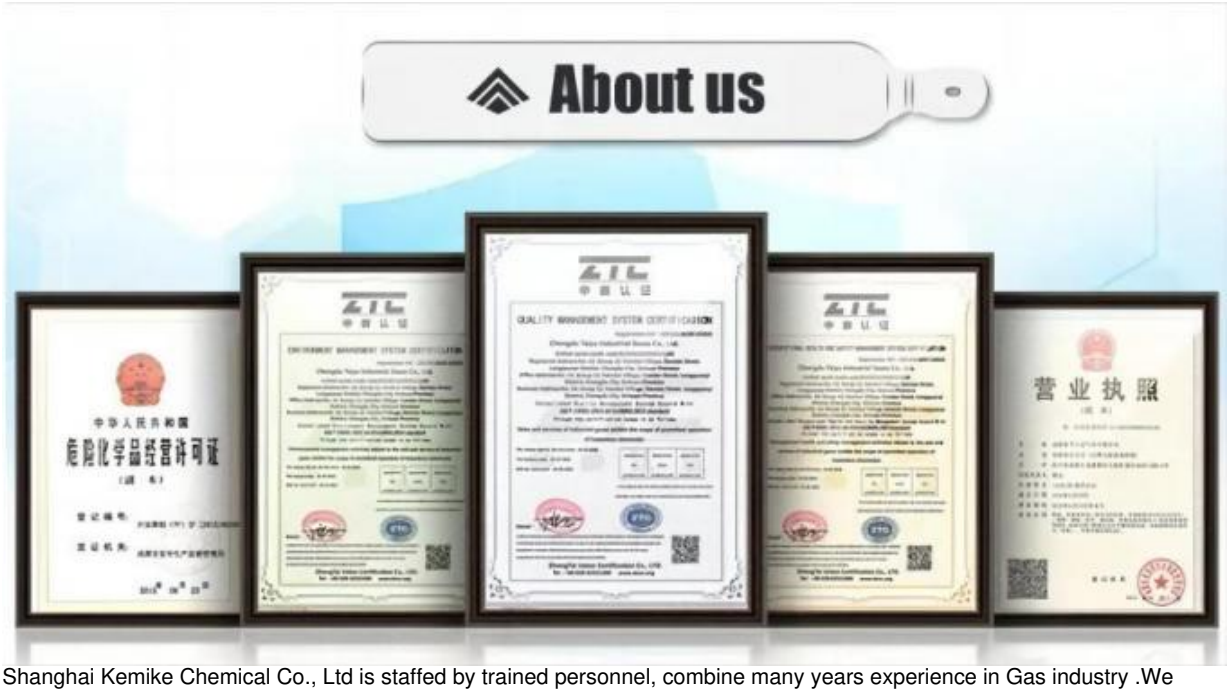
Specification	Cylinder:40L/47L	Valve:G5/8	Pressure:13.5MPA
Application	1. Used as high-energy propellant in the space industry 2. Manufacturing hydrochloric acid, synthesis of ammonia, metal cutting, welding, metal extraction, purification of semiconductor materials, etc 3. Raw materials for synthesis of ammonia, methanol and hydrochloric acid, reducing agent for metallurgy, hydrodesulfurization agent in petroleum refining, etc 4. Smelting of precious metals and reduction of metal oxides 5. Gas chromatography carrier gas, electron tube, semiconductor materials, integrated circuits, etc 6. Various processes of petroleum refining and petrochemicals.		

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.

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