



Hydrogen Gas Cylinder Gas Compressed H₂ Hydrogen Gas Storage 4n 99.99% H₂

Our Product Introduction

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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: -252.77°C(20.28K)
- Melting Point: -259.2°C(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

H₂ gas refers to hydrogen gas, which is a chemical compound consisting of two hydrogen atoms bonded together. Hydrogen is the lightest and most abundant element in the universe. Here are some key points about hydrogen gas:

Chemical Formula: H₂

Molecular Weight: 2.02 g/mol

Structure: Hydrogen gas consists of two hydrogen atoms covalently bonded together.

Physical Properties: Hydrogen gas is a colorless, odorless, and highly flammable gas at room temperature and atmospheric pressure. It is the lightest gas, and its density is about 14 times less than that of air.

Abundance and Occurrence: Hydrogen is the most abundant element in the universe, but it is relatively rare on Earth in its elemental form. It is found in various compounds, such as water (H₂O) and hydrocarbons.

Production: Hydrogen gas can be produced through several methods, including steam reforming of natural gas, electrolysis of water, coal gasification, and biomass gasification.

Applications: Hydrogen gas has numerous applications. It is commonly used as a fuel for rockets and combustion engines, especially in the aerospace industry. Hydrogen fuel cells, which generate electricity through the reaction of hydrogen with oxygen, are utilized in transportation, portable power systems, and stationary power generation. Hydrogen is also used in the production of ammonia, petroleum refining, and various industrial processes.

Energy Carrier: Hydrogen is often considered an energy carrier rather than an energy source since it needs to be produced from other sources of energy. It has the potential to play a significant role in a clean and sustainable energy future as it can be produced using renewable sources, such as solar or wind energy.

Safety Considerations: Hydrogen gas is highly flammable and can form explosive mixtures with air or oxygen. Consequently, proper handling, storage, and ventilation are crucial. Safety measures, such as preventing leaks and avoiding ignition sources, should be followed when working with hydrogen gas.

Environmental Impact: Hydrogen gas is a clean-burning fuel that produces only water vapor as a byproduct when used in fuel cells. It is considered an environmentally friendly alternative to fossil fuels since it does not release greenhouse gases or harmful pollutants during combustion.

Basic Info.

Model NO.	H ₂	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
Apolication	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 Photo



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: 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.

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



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