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

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

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.	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 Photo

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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