



China Cylinder Gas High Purity Factory Best Price O2 Oxygen Gas

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: O2
- Minimum Order Quantity: 1 m3
- Price: US \$3/m3
- Packaging Details: Cylinder
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 1000Tons/year



Product Specification

- Product Name: Oxygen Gas
- Valve: Qf-2/Cga580
- Boiling Point: -183 °C
- Melting Point: -218.4 °C
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Cylinder Standard: GB/ISO/DOT
- Transport Package: 40L/47L/50L/ISO Tank
- Specification: 40L/47L/50L/ISO Tank
- Trademark: CMC
- Origin: China
- HS Code: 2804400000
- Supply Ability: 100, 000m3/Year
- CAS No.: 7782-44-7
- Formula: O2
- EINECS: 231-956-9



More Images



Product Description

Product Description

Oxygen gas (O₂) is a colorless, odorless, and tasteless gas that is essential for supporting life on Earth. It is one of the most abundant elements in the Earth's atmosphere, making up approximately 21% of the air we breathe. Here are some key points about oxygen gas:

Chemical Composition: Oxygen gas is composed of two oxygen atoms bonded together (O₂). It is a diatomic molecule.

Occurrence: Oxygen is a highly abundant element on Earth. In the atmosphere, it exists primarily in the form of diatomic oxygen (O₂). It is also found in various compounds, such as water (H₂O), carbon dioxide (CO₂), and minerals.

Role in Life Processes: Oxygen is vital for supporting life and the functioning of many biological processes:

Respiration: Oxygen is essential for aerobic respiration, the process by which living organisms convert nutrients into energy. During respiration, oxygen is used to break down glucose and other molecules, releasing energy and producing carbon dioxide as a waste product.

Combustion: Oxygen supports combustion, providing the necessary chemical reactions for burning and oxidation processes.

Industrial and Medical Applications: Oxygen gas has various industrial and medical applications:

Medical Use: Oxygen is commonly used in medical settings to assist patients with breathing difficulties. It can be administered through oxygen masks, nasal cannulas, or specialized medical equipment.

Welding and Cutting: Oxygen is often used as an oxidizer in welding and cutting processes. It supports the combustion of fuel gases, such as acetylene, to generate high temperatures for metal joining and cutting.

Chemical Manufacturing: Oxygen gas is an important reactant in the production of various chemicals, including acids, fertilizers, plastics, and explosives.

Oxy-fuel Combustion: Oxygen-enriched air or pure oxygen is used in certain industrial processes, such as glass manufacturing and steel production, to enhance combustion and increase process efficiency.

Environmental Applications: Oxygen can be used in wastewater treatment processes to enhance microbial activity and facilitate the breakdown of organic matter.

Safety Considerations: While oxygen is essential for life, it is important to handle and store oxygen gas properly:

Fire and Explosion Hazard: Oxygen supports combustion, so it can intensify fires and increase the risk of explosions. Care should be taken to prevent the presence of flammable materials or open flames in oxygen-enriched environments.

Oxygen Concentration: Oxygen concentrations above normal levels in the atmosphere can increase the risk of rapid combustion and make materials more flammable. Oxygen should be used or stored in designated areas with proper ventilation and safety measures.

Handling and Storage: Oxygen cylinders and equipment should be handled with care to avoid damage or leaks. Proper training and adherence to safety guidelines are necessary for the safe storage, transport, and use of oxygen gas.

Understanding the properties and safe handling of oxygen gas is important to ensure its proper use in various applications and to maintain a safe working environment.

Basic Info

Transport Package:	40L/47L/50L/ISO Tank	Melting Point	-218.4 °C
Trademark:	CMC	Boiling Point	-183 °C
Specification	99.999%	Production Capacity	100,000m ³ /Year
Cylinder Pressure	12.5MPa/15MPa/20MPa	Valve	Qf-2/Cga580
Appearance	Colorless, Odorless	Density	1.429g/L

Product Description

Specification:

CAS No.: 7782-44-7

EINECS No.: 231-956-9

UN No.: UN1072

Purity: 99.999%-99.9999%

Dot Class: 2.2 & 5.1

Appearance: Colorless

Grade Standard: Industrial Grade, Grade, Electronic Grade

Specification 99.999%

Hydrogen	≤0.5 ppm
Argon	≤2 ppm
Nitrogen	≤5 ppm
Carbon Dioxide	≤0.5 ppm
THC (as CH ₄)	≤0.5 ppm
Moisture	≤2 ppm

Packaging & Shipping

Cylinder Specifications

Contents	Pressure
Cylinder Capacity Valve	Volume bar psig
40L	QF-2 7 m ³ 150 2175
47L	QF-2 7 m ³ 150 2175
50L	QF-2 10 m ³ 200 2900

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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