China Cylinder Gas High Purity Factory Best Price O2 Oxygen Gas

Our Product Introduction

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 ºC
- Melting Point: -218.4 ºC
- 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

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 ºC
Trademark:	CMC	Boiling Point	-183 ºC
Specification	99.999%	Production Capacity	100, 000m3/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 CH4)	≤0.5 ppm
Moisture	≤2 ppm

Packaging & Shipping

Cylinder Specifications		Contents	Pressure	
Cylinder Capacity	Valve	Volume	bar	psig
40L	QF-2	7 m3	150	2175
47L	QF-2	7 m3	150	2175
50L	QF-2	10 m3	200	2900

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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