



China Industrial Pure O2 Oxygen Cylinder Gas O2 Gas Oxygen

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: 10000tons/year



Oxygen Gas

Product Specification

- Product Name: Oxygen Gas
- Boiling Point: -183 °C
- Testing Pressure: 250bar/300bar
- Working Pressure: 150bar/200bar
- Melting Point: -218.4 °C
- Purity: 99.9999%
- Transport Package: Sea Transportation
- Specification: 8L 40L 50L
- Trademark: CMC
- Origin: China
- HS Code: 2804290000
- Supply Ability: 3000bot/Month
- CAS No.: 7782-44-7
- Formula: O2
- EINECS: 231-956-9



More Images



Product Description

Industrial Pure O2 Oxygen Gas Cylinder 8L 40L 50L

Oxygen gas, often referred to simply as oxygen (O₂), is a colorless, odorless, and tasteless gas. It is one of the most abundant elements on Earth and is essential for supporting life. Oxygen gas is composed of two oxygen atoms bonded together, forming a diatomic molecule.

Uses of Oxygen Gas:

Respiration: Oxygen is crucial for the process of respiration in living organisms, including humans. It is inhaled into the lungs and transported by the bloodstream to the body's cells, where it is used in cellular respiration to produce energy.

Medical Applications: Oxygen is commonly used in medical settings for various purposes. It can be administered to patients who have difficulty breathing or require additional oxygen supplementation. Oxygen therapy is often used to treat conditions such as respiratory distress, chronic obstructive pulmonary disease (COPD), and carbon monoxide poisoning.

Combustion and Oxidation: Oxygen supports combustion, making it necessary for many types of fires to burn. It is commonly used in industrial processes like welding and metal cutting, where a high-temperature flame is required. Additionally, oxygen is used in the production of steel, chemicals, and other industrial processes.

Oxy-Fuel Processes: Oxygen is used in oxy-fuel processes, where it is combined with a fuel source to create a high-temperature flame. This is employed in metal refining, glass manufacturing, and other industrial applications.

Rocket Propulsion: Liquid oxygen (LOX) is used as an oxidizer in rocket engines, where it combines with a fuel source, such as liquid hydrogen, to produce thrust. It provides the necessary oxygen for the combustion of the fuel, enabling the rocket to achieve high velocities in space.

Water Treatment: Oxygen gas is used in wastewater treatment plants to enhance the biological breakdown of organic matter by providing oxygen to the microorganisms responsible for the process.

Scuba Diving: Oxygen is used in scuba diving as a component of breathing gases, typically mixed with nitrogen and other gases. Different gas mixtures are used to extend the diving time and prevent nitrogen narcosis and decompression sickness.

It's important to handle and store oxygen gas with care as it can support combustion and is considered a fire hazard in high concentrations.

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

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

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 Photos







Packaging & Shipping

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.

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			



