



China Supply Wholesale Cylinder 99.5% Medical Grade O2 Oxygen Gas

Our Product Introduction

for more products please visit us on gascylindertank.com

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
- Testing Pressure: 250bar/300bar
- Boiling Point: -183
- Melting Point: -218.4
- Appearance: Colorless
- Working Pressure: 150bar/200bar
- 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, often referred to simply as oxygen (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 about 21% of the air we breathe.

Oxygen gas is composed of two oxygen atoms bonded together by a covalent bond, forming a diatomic molecule (O₂). It is highly reactive and readily participates in chemical reactions. Its reactivity and ability to support combustion make it a vital component in various industrial processes, from metal smelting to the production of chemicals and fuels.

In biological systems, oxygen gas plays a crucial role in cellular respiration, which is the process by which cells convert nutrients into energy.

During respiration, oxygen is used by cells to break down glucose and other organic molecules to produce adenosine triphosphate (ATP), the primary energy currency of cells. Without oxygen, most organisms, including humans, would not be able to survive.

Oxygen gas can be produced through various methods, including electrolysis of water, fractional distillation of liquefied air, and chemical reactions. It is commonly stored and transported in compressed gas cylinders or as a cryogenic liquid at very low temperatures.

Medical oxygen, which is used for therapeutic purposes, is a high-purity form of oxygen gas produced to meet specific standards for safety and purity. It is used in hospitals, clinics, and homecare settings to support patients with respiratory conditions and to aid in medical procedures.

Oxygen gas is also used in other industries, such as welding, cutting, and laser technologies. It is a vital component in the combustion of fuels, such as in the aerospace industry for rocket propulsion and in the steel industry for blast furnace operations.

It is important to note that while oxygen is crucial for sustaining life, it can also be hazardous in certain situations. Oxygen supports combustion, and high concentrations of oxygen can increase the flammability of materials and potentially lead to fires or explosions. Special precautions should be taken when handling and storing oxygen gas to ensure safety.

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

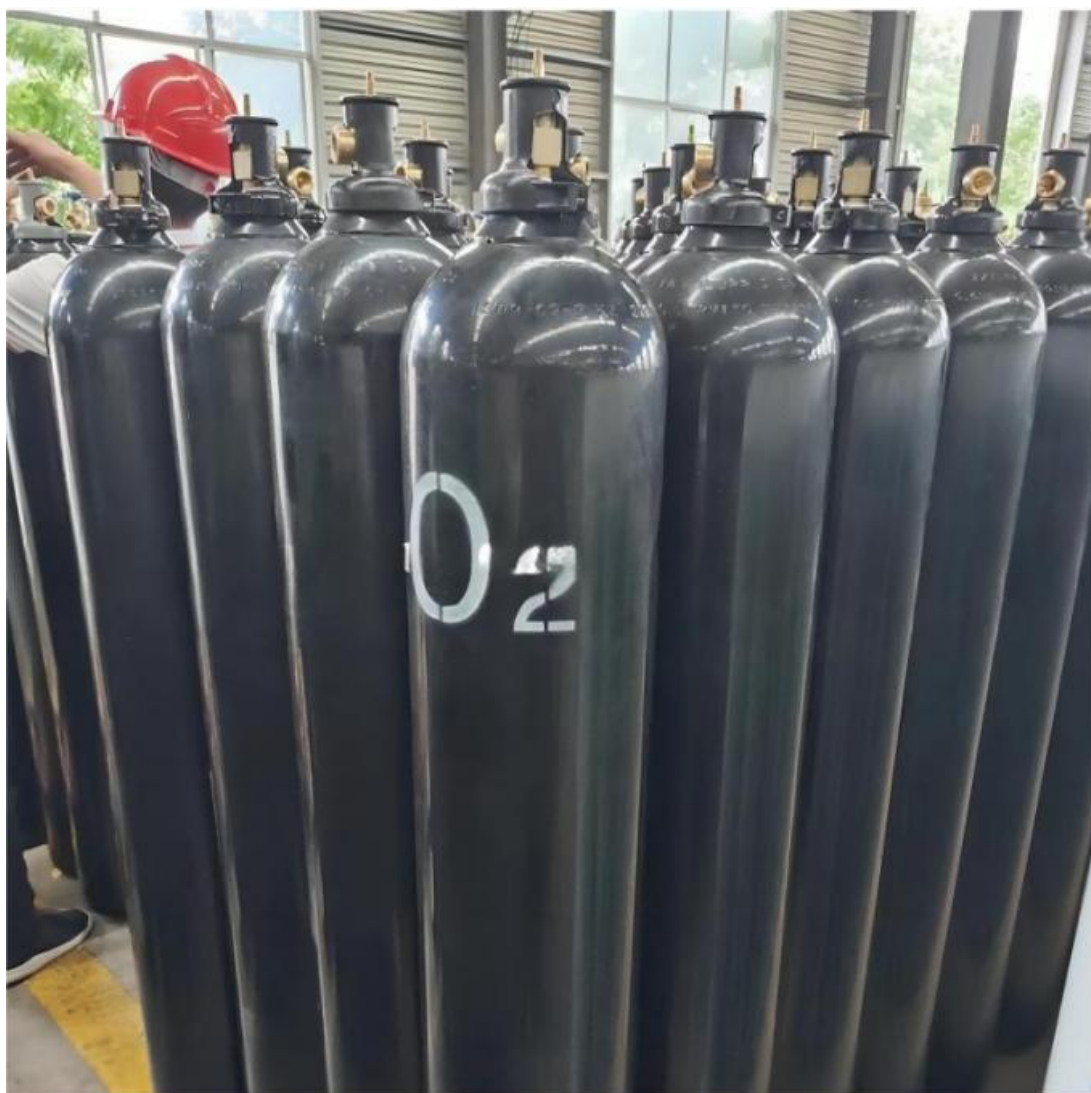
Capacity	Valve	Volume	bar	psig
40L	QF-2	7 m ³	150	2175
47L	QF-2	7 m ³	150	2175
50L	QF-2	10 m ³	200	2900

Detailed Photos











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			



 **Shanghai Kemike Chemical Co.,Ltd**

 +86 18762990415

 williamchen@cmc-chemical.com

 gascylindertank.com