



Cylinder Gas China Factory 6n O2 Industrial Gas O2 Gas Oxygen

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
- Boiling Point: -183°C
- Testing Pressure: 250bar/300bar
- Working Pressure: 150bar/200bar
- Melting Point: -218.4°C
- Appearance: Colorless
- Transport Package: Sea Transportation
- Specification: 4L /8L /10L /40L / 47/ 50L
- Trademark: CMC
- Origin: Suzhou, China
- HS Code: 28044000
- CAS No.: 7782-44-7
- Formula: O2
- EINECS: 231-956-9
- Constituent: Industrial Pure Air



More Images



Product Description

Product Description

Oxygen gas, often simply referred to as oxygen, is a colorless, odorless, and tasteless gas that is a fundamental component of the Earth's atmosphere. It is represented by the chemical symbol O₂, indicating that it consists of two oxygen atoms chemically bonded together. Oxygen is one of the most abundant elements in the universe and plays a crucial role in supporting life on Earth.

Properties of Oxygen Gas:

Physical State: Oxygen is a gas at room temperature and atmospheric pressure.

Density: The density of oxygen gas is approximately 1.43 kg/m³.

Boiling Point: Oxygen boils at a temperature of -183 degrees Celsius (-297 degrees Fahrenheit).

Melting Point: Oxygen has a melting point of -218.8 degrees Celsius (-361.8 degrees Fahrenheit).

Solubility: Oxygen is sparingly soluble in water, and its solubility increases with decreasing temperature.

Importance of Oxygen:

Respiration: Oxygen is essential for the process of respiration in most organisms, including humans. During respiration, oxygen is taken in by living organisms to break down organic molecules and release energy needed for various biological processes.

Combustion: Oxygen supports combustion, allowing fuels to burn and release heat and light energy. This property makes oxygen crucial in various industrial processes, such as metal smelting, welding, and energy production.

Ozone Layer: In the Earth's upper atmosphere, oxygen molecules combine to form ozone (O₃), which creates the ozone layer. This layer helps protect life on Earth by absorbing harmful ultraviolet (UV) radiation from the Sun.

Medical Applications: Oxygen is widely used in medical settings for respiratory support. It can be administered to patients through oxygen masks or nasal cannulas to help with breathing in cases of respiratory distress or low oxygen levels.

Industrial Applications: Oxygen is used in various industrial processes, including steel and metal production, chemical manufacturing, and wastewater treatment.

It's important to note that while oxygen is crucial for supporting life, it is also highly reactive and can be dangerous in high concentrations or when mishandled. Oxygen supports combustion, so it should be handled with caution to avoid fire hazards.

Basic Info.

Molecular Weight	32	Density	1.429g/L
Melting Point	-218.4°C	Boiling Point	-183°C
Appearance	Colorless,Odorless	Un No.	1072
DOT Class	2.2&5.1	Valve	QF-2,CGA580
Cylinder Standard	GB/ISO/DOT	Cylinder Pressure	12.5Mpa/15Mpa/20Mpa
Transport Package	40L/47L/50L/ISO Tank	Specification	99.999%,99.9999%
Trademark	CMC	Origin	China
HS Code	28044000	Production Capacity	100000m³/Year

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

Detailed Photos











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

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.

