



N2 Gas Modified Atmosphere Packaging Preservation And Freezing Gas Nitrogen

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: N2
- Minimum Order Quantity: 1 ton
- Price: US \$40/ton
- Packaging Details: Cylinder/Tank
- Delivery Time: 30 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year



Product Specification

- Product Name: Nitrogen Gas
- Melting Point: -209.86 °C
- Appearance: Colorless, Odorless
- Boiling Point: -196 °C
- Cylinder Pressure: 12.5MPa/15MPa/20MPa
- Valve: Qf-2/Cga580
- Cylinder Standard: GB/ISO/DOT
- Transport Package: Sea Transportation
- Specification: 10L 40L 50L
- Trademark: CMC
- Origin: Suzou, China
- HS Code: 2804300000
- Supply Ability: 50000piece/Month
- CAS No.: 7727-37-9
- Formula: N2



More Images



Product Description

Product Description

Nitrogen gas, often represented by the chemical formula N2, is a diatomic molecule composed of two nitrogen atoms bonded together by a strong triple bond. It is the most abundant gas in Earth's atmosphere, making up about 78% of the total composition. Nitrogen gas is chemically inert, meaning it is relatively unreactive under normal conditions.

Properties of Nitrogen Gas:

Colorless and Odorless: Nitrogen gas is a colorless and odorless gas, which means it cannot be detected by our senses.

Non-Flammable: Nitrogen gas does not support combustion and is considered non-flammable.

Stable: The triple bond between the nitrogen atoms in N2 makes it a very stable molecule, requiring high energy to break the bond.

Low Reactivity: Nitrogen gas is generally unreactive at room temperature and pressure. It does not readily react with other substances, which makes it useful for a wide range of applications.

Density: Nitrogen gas is less dense than air, which means it can displace air when released in a closed environment.

Uses of Nitrogen Gas:

Industrial Applications: Nitrogen gas is widely used in various industries, such as food packaging, electronics manufacturing, pharmaceuticals, and metal fabrication. It is often used to create an inert atmosphere, preventing oxidation or degradation of sensitive materials.

Fertilizers: Nitrogen gas is a crucial component in the production of fertilizers. Through a process called nitrogen fixation, atmospheric nitrogen is converted into compounds like ammonia, which can be used as a nutrient source for plants.

Cryogenics: Liquid nitrogen, produced by cooling and condensing nitrogen gas, is used in cryogenic applications. It can be used to freeze and preserve biological samples, cool superconducting materials, and in medical procedures like cryosurgery.

Inflation: Nitrogen gas is sometimes used to fill tires, especially in vehicles that require enhanced tire performance, such as racing cars and aircraft. Nitrogen-filled tires can maintain pressure more consistently than air-filled tires.

Laboratory Use: Nitrogen gas is commonly used in laboratories as an inert gas environment for various purposes, such as preventing reactions with oxygen-sensitive substances or operating gas chromatography instruments.

It's worth noting that while nitrogen gas is generally safe, it can displace oxygen in confined spaces, leading to an oxygen-deficient atmosphere. Caution should be exercised when handling nitrogen gas in enclosed areas to ensure proper ventilation and safety measures are in place.

Basic Info.

Model NO.	N2	Storage Medium	Flammable/Toxic
Pressure Level	High Pressure (10.0MPa≤p<100.0MPa)	Condition	New
Pressures	20MPa	OTC	OTC
Size	40L 50L	Transport Package	Sea
Specification	40L 20MPA	Trademark	CMC
Origin	suzhou	Production Capacity	50000piece/Month

Detailed

Photos



Outside diameter(mm)	Water capacity(L)	Design wall Thickness(mm)
219mm	36-40L	5.7
	20L-34L	
	27L	
229mm(GB/ISO)	30L	5.7
	40L	
	50L	
232mm(GB/ISO)	40L	6
	47L	
	50L	
232mm(GB/ISO)	40L	5.4
	47L	
	50L	
232mm(GB/ISO)	40-50L	5.8
		5.4
		5.2
232mm(ISO)	40-50L	5.8
	60L	
	68L	
279mm(ISO)	68L	6.0
	80L	
	50-54L	
267mm(GB5099.1)	60L	5.7
	68L	
	70L	
	80L	
	50-54L	
	60L	

Company

Profile

ShangHai CMC 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						AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂
TMAI	DMZn	DEZn						GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	Xe+NO

Workshop Display:



Monitor



Laboratory



Equipment

Zone of rectification



Gas filling



Equipment



 **Shanghai Kemike Chemical Co.,Ltd**

 +86 18762990415

 williamchen@cmc-chemical.com

 gascylindertank.com