



## Nitrogen Cylinder Gas China Supply high purity best price N2

### Our Product Introduction

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#### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: N2
- Minimum Order Quantity: 1 kg
- 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 (N2) is a chemical compound composed of two nitrogen atoms bonded together. It is the most abundant gas in Earth's atmosphere, making up approximately 78% of the air we breathe. Here are some key points about nitrogen gas:

Properties: Nitrogen gas is a colorless, odorless, and tasteless gas at standard temperature and pressure. It has a boiling point of -195.8 degrees Celsius (-320.4 degrees Fahrenheit) and a melting point of -210 degrees Celsius (-346 degrees Fahrenheit). Nitrogen gas is relatively inert and does not readily react with other substances under normal conditions.

Abundance in the Atmosphere: Nitrogen gas is the primary component of Earth's atmosphere. It exists as a diatomic molecule (N2), meaning two nitrogen atoms are chemically bonded together. It is released into the atmosphere through various natural processes, such as volcanic activity, bacterial nitrogen fixation in soils, and the decay of organic matter.

Industrial Applications: Nitrogen gas has numerous industrial applications:

Chemical Industry: Nitrogen gas is used as an inert atmosphere in chemical reactions to prevent unwanted reactions with oxygen or other reactive gases. It is also used as a carrier or purge gas during the production and handling of sensitive substances.

Food and Beverage Industry: Nitrogen gas is commonly used in the food and beverage industry for packaging and preservation. It helps maintain product freshness and prevents spoilage by displacing oxygen and inhibiting the growth of spoilage-causing microorganisms.

Electronics Industry: Nitrogen gas is used in electronics manufacturing processes to create an oxygen-free environment during soldering, preventing oxidation and ensuring high-quality solder joints.

Oil and Gas Industry: Nitrogen gas is utilized in oil and gas operations for a variety of purposes, such as pressure testing pipelines, purging equipment, and enhancing oil recovery.

Liquid Nitrogen: Nitrogen gas can be condensed into a liquid form at extremely low temperatures (-195.8 degrees Celsius or -320.4 degrees Fahrenheit). Liquid nitrogen has various applications, including cryogenic storage of biological samples, freezing and preserving food, and as a coolant in certain scientific and industrial processes.

Nitrogen Fixation: Nitrogen gas is converted into usable forms by a process called nitrogen fixation. Some bacteria have the ability to convert atmospheric nitrogen into compounds such as ammonia (NH3) or nitrate (NO3-), which can be taken up by plants and used to build proteins and other essential molecules.

Nitrogen gas plays a crucial role in many natural and industrial processes. Its inertness and abundance make it valuable for a wide range of applications, contributing to various industries and scientific endeavors.

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)		5.8
	40-50L	5.4
		5.2
232mm(ISO)	40-50L	5.8
	60L	
	68L	
279mm(ISO)	80L	6.0
	50-54L	
	60L	
267mm(GB5099.1)	68L	5.7
	70L	
	80L	
267mm(ISO)	50-54L	6.2
	60L	
	68L	
267mm(ISO)	70L	6.2
	80L	
	80L	

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: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

SiCl <sub>4</sub>	NH <sub>3</sub>	NH <sub>3</sub>	CH <sub>3</sub> F	SiH <sub>4</sub>	Kr	H <sub>2</sub> S	WF <sub>6</sub>	F <sub>6</sub> +Cl <sub>2</sub>
4MS	C <sub>3</sub> F <sub>8</sub>	C <sub>3</sub> F <sub>8</sub>	TEOS	CH <sub>4</sub>	PH <sub>3</sub>	SF <sub>6</sub>	C <sub>2</sub>	HCl+Ne
CF <sub>4</sub>	C <sub>4</sub> F <sub>8</sub>	SiH <sub>2</sub>						TMB+H <sub>2</sub>
SiF <sub>4</sub>	C <sub>3</sub> H <sub>8</sub>	Cl <sub>2</sub>						He +As
BBr <sub>3</sub>	C <sub>3</sub> H <sub>6</sub>	DCE						Ge+Se
POCl <sub>3</sub>	N <sub>2</sub>	SO <sub>2</sub>						D+B
BCl <sub>3</sub>	D <sub>2</sub>	CO <sub>2</sub>						CO+NO
SiHCl <sub>3</sub>	CH <sub>2</sub> F <sub>2</sub>	HF						Ar+O <sub>2</sub>
TMAI	DMZn	DEZn						Xe+NO
AsH <sub>3</sub>	C <sub>2</sub> H <sub>4</sub>	C <sub>2</sub> H <sub>2</sub>	HBr	COS	Ar+O <sub>2</sub>			
GeH <sub>4</sub>	C <sub>2</sub> H <sub>6</sub>	B <sub>2</sub> H <sub>6</sub>	H <sub>2</sub> Se	GeCl <sub>4</sub>	Xe+NO			

## Workshop Display:



Monitor



Laboratory



Equipment



Zone of rectification



Gas filling



Equipment



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