



## Inert Blanketing N2 Nitrogen Gas For Plant Growth, Maintenance Oxygen Displacement

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 ton
- Price: US \$40/ton
- Packaging Details: Cylinder/Tank
- Delivery Time: 30 days
- Payment Terms: L/C, T/T
- Supply Ability: 2000 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 as N2, is a colorless, odorless, and tasteless gas that makes up about 78% of Earth's atmosphere. It is an essential element for life and has various applications in different industries.

Properties:

Nitrogen gas is lighter than air and does not support combustion, which makes it useful for applications where an inert atmosphere is required.

It has a boiling point of -195.8 degrees Celsius (-320.4 degrees Fahrenheit) and a melting point of -209.86 degrees Celsius (-345.8 degrees Fahrenheit).

Nitrogen gas is relatively unreactive under normal conditions, but it can form compounds with other elements under certain circumstances.

Sources and Production:

The primary source of nitrogen gas is the Earth's atmosphere, where it exists as a diatomic molecule (N2). It can be obtained by fractional distillation of liquid air, which involves cooling air to extremely low temperatures and separating its components.

Nitrogen gas can also be produced through processes like pressure swing adsorption (PSA) and membrane separation. These methods exploit the differences in the adsorption or permeability of nitrogen compared to other gases.

Uses:

In industrial applications, nitrogen gas is commonly used as an inert atmosphere to prevent oxidation, combustion, or spoilage of sensitive materials during production, storage, or transportation.

It is used in the food industry for packaging perishable goods, such as potato chips, to displace oxygen and extend their shelf life.

Nitrogen gas is widely employed in the electronics industry to create a controlled environment during the manufacturing of semiconductors, preventing contamination and oxidation.

In the medical field, liquid nitrogen is used for cryotherapy to freeze and remove abnormal or diseased tissue.

Nitrogen gas is also utilized in the petroleum industry for purging pipelines and tanks, as well as in the production of ammonia for fertilizers and other chemicals.

It's worth noting that while nitrogen gas is generally safe, it can displace oxygen in confined spaces, leading to an oxygen-deficient environment.

This poses a suffocation hazard, so proper safety measures should be followed when working with or around nitrogen gas.

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	
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: 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						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>
TMAI	DMZn	DEZn						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**

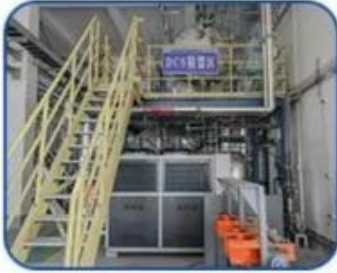


**Laboratory**



**Equipment**

**Zone of rectification**



**Gas filling**



**Equipment**



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