



## Gas N2 Nitrogen For Medical Cryopreservation Electronics Manufacturing Laboratory Research Usage

### Our Product Introduction

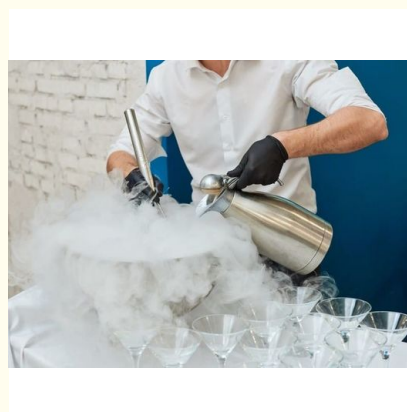
#### Basic Information

- 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

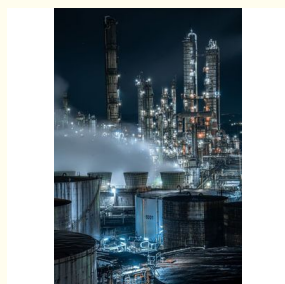


#### Product Specification

- 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 (N2) is a colorless, odorless, and tasteless diatomic gas that makes up about 78% of Earth's atmosphere by volume. It is an essential element for life as it is a component of proteins and nucleic acids, which are crucial for the functioning and structure of living organisms.

Here are some key features and applications of nitrogen gas:

**Inert Atmosphere:** Nitrogen gas is chemically unreactive and non-flammable, making it useful for creating inert atmospheres. It is commonly used in various industrial processes to prevent oxidation, combustion, and spoilage. For example, it is employed in the production and storage of sensitive materials like pharmaceuticals, electronic components, and food products.

**Food and Beverage Industry:** Nitrogen gas is widely used in the food and beverage industry for packaging and preservation purposes. It helps to extend the shelf life of perishable products by displacing oxygen, which inhibits the growth of bacteria and fungi that require oxygen to survive.

**Welding and Soldering:** Nitrogen gas is often used as a shielding gas in welding and soldering processes. It helps to prevent oxidation and contamination of the molten metal, resulting in cleaner and stronger welds.

**Chemical Industry:** Nitrogen gas is a crucial component in the production of various chemicals, including fertilizers, explosives, and plastics. It serves as a feedstock, carrier gas, or blanketing agent in different chemical reactions.

**Liquid Nitrogen:** When cooled to extremely low temperatures (-196 degrees Celsius or -321 degrees Fahrenheit), nitrogen gas condenses into a liquid state. Liquid nitrogen is commonly used in cryogenic applications for freezing and preserving biological samples, cooling superconductors, and conducting experiments at low temperatures.

**Medical Applications:** Nitrogen gas finds applications in the medical field, such as cryotherapy for removing skin lesions and freezing warts. It is also used in the storage of biological samples, such as sperm and eggs, for fertility treatments.

It's worth noting that while nitrogen is essential for life, inhaling pure nitrogen gas can be harmful or even fatal, as it displaces oxygen and can cause asphyxiation. Therefore, it is important to handle and use nitrogen gas with proper safety precautions.

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	
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**

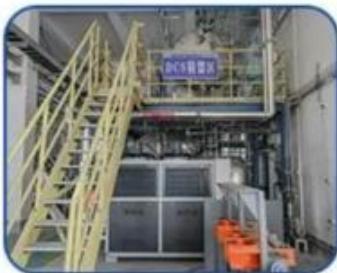


**Laboratory**



**Equipment**

**Zone of rectification**



**Gas filling**



**Equipment**



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