



Gas N2 Nitrogen Food Industry Application Preserve Freshness

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: 15 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 as N2, is a colorless, odorless, and tasteless gas that makes up about 78% of the Earth's atmosphere. It is an essential element for life and plays a crucial role in various biological and industrial processes.

Here are some key points about nitrogen gas:

Composition: Nitrogen gas consists of two nitrogen atoms bonded together with a triple covalent bond, forming an extremely stable diatomic molecule (N≡N).

Abundance: Nitrogen is the most abundant gas in the Earth's atmosphere, making up approximately 78% of the air we breathe. It is obtained by fractional distillation of liquid air.

Inertness: Nitrogen gas is chemically inert under normal conditions, meaning it does not readily react with other elements or compounds. This property makes it useful for applications where a non-reactive atmosphere is required, such as in the preservation of sensitive materials or in certain industrial processes.

Uses: Nitrogen gas has various applications in different industries. It is commonly used in the food industry to preserve freshness by displacing oxygen, thus inhibiting the growth of spoilage-causing microorganisms. Nitrogen is also widely used in the manufacturing of electronic components, as a coolant in various industrial processes, and as a blanketing gas in oil and gas operations to prevent explosions.

Liquid Nitrogen: Nitrogen gas can be cooled to extremely low temperatures (-195.79°C or -320.42°F) to become a liquid known as liquid nitrogen. Liquid nitrogen is commonly used in cryogenic applications, including freezing food, preserving biological samples, and as a coolant for certain scientific experiments.

Nitrogen Fixation: Although nitrogen gas is abundant in the atmosphere, most organisms cannot use it directly. Nitrogen fixation is the process by which certain bacteria and some industrial processes convert atmospheric nitrogen into forms that can be utilized by living organisms, such as ammonia or nitrates. This conversion is crucial for the development of nitrogen-containing compounds, including proteins and nucleic acids, which are essential for life.

Environmental Impact: Nitrogen gas plays a role in environmental processes and can contribute to both beneficial and harmful effects. Excessive nitrogen runoff from agricultural and industrial activities can lead to water pollution and eutrophication, causing negative impacts on ecosystems. Nitrogen oxides (NOx), which are produced during combustion processes, contribute to air pollution and the formation of smog.

Overall, nitrogen gas is an important component of our atmosphere and has numerous applications in various industries. Its inertness, abundance, and ability to be converted into other forms make it a versatile and valuable resource.

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 20L-34L 27L	5.7
229mm(GB/ISO)	30L 40L 50L 40L	5.7
232mm(GB/ISO)	47L 50L 40L	6
232mm(GB/ISO)	47L 50L	5.4
232mm(GB/ISO)	40-50L	5.8 5.4 5.2
232mm(ISO)	40-50L 60L	5.8
279mm(ISO)	68L 80L 50-54L 60L	6.0
267mm(GB5099.1)	68L 70L 80L 50-54L 60L	5.7
267mm(ISO)	68L 70L 80L	6.2

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						Ar+O ₂
TMAI	DMZn	DEZn						Xe+NO
AsH ₃	C ₂ H ₄	C ₂ H ₂	HBr	COS	Ar+O ₂			
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





+86 18762990415



williamchen@cmc-chemical.com



gascylindertank.com