



Welding Soldering Food And Beverage Chemical Industry Gas N2 Nitrogen

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: 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 (N2) is a colorless, odorless, and tasteless diatomic gas composed of two nitrogen atoms bonded together. It is the most abundant gas in Earth's atmosphere, making up about 78% of the air we breathe. Nitrogen gas is chemically inert, meaning it is not easily reactive or flammable under normal conditions.

Properties of Nitrogen Gas:

Molecular Formula: N2

Molecular Weight: 28.0134 g/mol

Boiling Point: -195.79°C (-320.42°F)

Melting Point: -209.86°C (-345.75°F)

Density: 1.251 g/L at 0°C and 1 atm

Solubility: Nitrogen gas is sparingly soluble in water.

Uses of Nitrogen Gas:

Industrial Applications: Nitrogen gas is widely used in various industries, including food packaging, pharmaceuticals, electronics, and metalworking. It helps prevent oxidation and spoilage in packaged foods, protects sensitive electronic components during manufacturing, and provides an inert atmosphere for heat treatment and welding processes.

Liquid Nitrogen: Nitrogen gas can be liquefied at extremely low temperatures (-195.79°C or -320.42°F) to form liquid nitrogen. Liquid nitrogen is used in cryogenic applications, such as freezing and preserving biological samples, storing sperm and embryos, and cooling superconducting materials.

Modified Atmosphere Packaging (MAP): Nitrogen gas is often used in MAP systems to extend the shelf life of perishable products. By replacing oxygen with nitrogen, the process helps inhibit bacterial growth and maintain product freshness.

Fire Prevention: Since nitrogen gas is non-flammable, it is used in fire suppression systems to displace oxygen and reduce the risk of fire. Nitrogen gas is also employed in preventing explosions in hazardous environments.

Chemical Industry: Nitrogen gas serves as a raw material in the production of various chemicals, including ammonia, nitric acid, and fertilizers.

Inflation of Tires: Nitrogen gas is sometimes used to inflate vehicle tires, especially in racing cars and aircraft. It offers advantages such as reduced pressure loss, improved fuel efficiency, and enhanced tire life.

It's worth noting that while nitrogen gas is generally safe to handle, it can displace oxygen in confined spaces, leading to an oxygen-deficient environment. Proper precautions should be taken when working with nitrogen gas to ensure safety.

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	
	40L	
232mm(GB/ISO)	47L	6

232mm(GB/ISO)	50L	5.4
	40L	
	47L	
	50L	
232mm(GB/ISO)		5.8
	40-50L	5.4
		5.2
	40-50L	5.8
279mm(ISO)	60L	6.0
	68L	
	80L	
	50-54L	
267mm(GB5099.1)	60L	5.7
	68L	
	70L	
	80L	
267mm(ISO)	50-54L	6.2
	60L	
	68L	
	70L	
	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: 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	
			GeH ₄	C ₂ H ₆	B ₂ H ₆	H ₂ Se	GeCl ₄	

Workshop Display:



Monitor

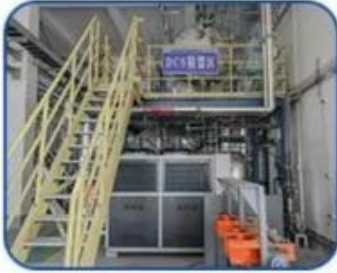


Laboratory



Equipment

Zone of rectification



Gas filling



Equipment



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