



## Gas N2 Nitrogen Blanketing Gas For Food, Beverage, Electronics Manufacturing Usage

Our Product Introduction

for more products please visit us on [gascylindertank.com](http://gascylindertank.com)

### 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: T/T
- Supply Ability: 2000 Tons/Year

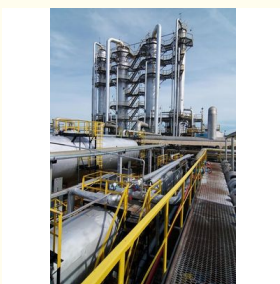


### Product Specification

- 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 (N<sub>2</sub>) 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 its volume. Nitrogen gas is non-reactive under normal conditions and can be found in various forms in nature.

Uses of Nitrogen Gas:

Industrial Applications: Nitrogen gas is widely used in industries for purposes such as inerting, blanketing, and purging. It is used to displace oxygen and prevent oxidation and combustion in processes like chemical manufacturing, food packaging, and metalworking.

Food and Beverage Industry: Nitrogen gas is commonly used in the food and beverage industry to preserve the freshness and quality of packaged products. It is used in modified atmosphere packaging (MAP) to create a nitrogen-rich environment that extends the shelf life of perishable goods.

Electronics Manufacturing: Nitrogen gas is utilized in the electronics industry for soldering and wave soldering processes. It helps prevent oxidation and ensures the reliability of electronic components during manufacturing.

Medical Applications: In medical settings, liquid nitrogen is used to freeze and store biological samples, such as sperm and eggs, for cryopreservation. Nitrogen gas is also used in cryosurgery to remove skin lesions and treat certain medical conditions.

Laboratory and Scientific Research: Nitrogen gas finds extensive use in laboratories and scientific research. It is used for sample preservation, as a carrier gas in gas chromatography, and as a purge gas in analytical instruments to prevent moisture and oxygen interference.

Tire Inflation: Nitrogen gas is sometimes used to inflate tires, particularly in commercial vehicles and aircraft. It offers certain advantages over compressed air, such as improved tire pressure retention, reduced oxidation of the tire components, and enhanced fuel efficiency.

It's important to note that while nitrogen gas is generally safe, it can displace oxygen in closed or poorly ventilated 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               |                           |
|                      | 30L               |                           |
| 229mm(GB/ISO)        | 40L               | 5.7                       |
|                      |                   |                           |

|                 |        |     |
|-----------------|--------|-----|
| 232mm(GB/ISO)   | 50L    | 6   |
|                 | 40L    |     |
|                 | 47L    |     |
|                 | 50L    |     |
| 232mm(GB/ISO)   | 40L    | 5.4 |
|                 | 47L    |     |
|                 | 50L    |     |
| 232mm(GB/ISO)   | 40-50L | 5.8 |
|                 |        | 5.4 |
|                 |        | 5.2 |
|                 |        | 5.8 |
| 279mm(ISO)      | 60L    | 6.0 |
|                 | 68L    |     |
|                 | 80L    |     |
|                 | 50-54L |     |
| 267mm(GB5099.1) | 60L    | 5.7 |
|                 | 68L    |     |
|                 | 70L    |     |
|                 | 80L    |     |
|                 | 50-54L |     |
| 267mm(ISO)      | 60L    | 6.2 |
|                 | 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: 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**

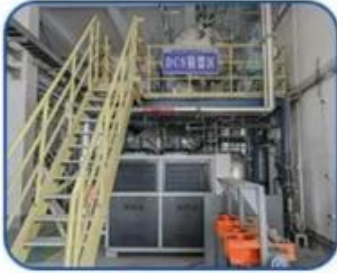


**Laboratory**



**Equipment**

**Zone of rectification**



**Gas filling**



**Equipment**



 **Shanghai Kemike Chemical Co.,Ltd**

 +86 18762990415

 [williamchen@cmc-chemical.com](mailto:williamchen@cmc-chemical.com)

 [gascylindertank.com](http://gascylindertank.com)