

## Box Type Membrane Separation Nitrogen Generator Stainless Steel

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: NG
- Minimum Order Quantity: 1set
- Price: Negotiate
- Packaging Details: Plywood or other type
- Delivery Time: 70work days
- Payment Terms: T/T
- Supply Ability: 6set/month



### Product Specification

- Name: Membrane Nitrogen Generator
- Condition: New
- Warranty: One Year
- Production Rate: Customized
- Capacity: 5-3000Nm3/h
- Type: Membrane Nitrogen Generator
- Shell: CS
- Pipeline: Stainless Steel
- Highlight: **Box Type Membrane Separation Nitrogen Generator**  
, **Stainless Steel Membrane Separation Nitrogen Generator**  
, **Stainless Steel nitrogen gas generator**



## Product Description

### Box type Membrane nitrogen generator General use Quick start

Membrane nitrogen generator is a device that uses membrane separation technology to separate nitrogen and oxygen in the air, thereby obtaining high-purity nitrogen. The following is a detailed introduction to the membrane separation nitrogen generator:

#### Working principle

The working principle of a membrane separation nitrogen generator mainly utilizes the different abilities of nitrogen and oxygen in the air to pass through the membrane and separates nitrogen and oxygen through membrane separation technology. Under the pressure difference, nitrogen passes through the membrane faster than oxygen, thus achieving the separation of nitrogen and oxygen. The purity of the separated nitrogen can reach a high level, meeting the needs of various industrial applications.

Equipment structure: The membrane separation nitrogen generator mainly consists of an air compressor, a cold drying machine, a filter, a membrane separator, a nitrogen buffer tank, etc. The air compressor provides compressed air, while the refrigerated dryer and filter dry and purify the compressed air. The membrane separator is the core component responsible for separating nitrogen and oxygen, and the nitrogen buffer tank is used to store the separated nitrogen.

#### Datasheet of N2 generators

No.	Item	Specification
1	Product Name	<b>Membrane nitrogen generator</b>
2	Type	<b>Membrane</b>
3	Inlet IA Dew point	Below-20
4	N2 Capacity	5-3000Nm <sup>3</sup> /h
5	N2 purity	Min95% Max99.5%
6	Material	SS
7	Vessel standard	ASME SEC VIII DIV.1
8	Pipeline standard	ASME B31.3
9	Power	According to design
10	Size	According to design
11	Weight	According to design
12	N2 tank	Option

#### Equipment features

**Efficient and energy-saving:** The membrane separation nitrogen generator adopts advanced membrane separation technology, which has a high nitrogen recovery rate and low energy consumption. Compared with traditional nitrogen production methods, membrane separation nitrogen production machines have significant advantages in energy conservation.

**Easy to operate:** The membrane separation nitrogen generator is easy to operate and can achieve continuous nitrogen production by simply following the equipment requirements. Meanwhile, the equipment has a high degree of automation, which can reduce manual intervention and operational errors.

**Green and environmentally friendly:** The membrane separation nitrogen generator does not require the use of any chemical agents or additives in the process of producing nitrogen, nor does it produce any pollutants or waste. It is a green and environmentally friendly nitrogen production method.

**Widely used:** The membrane separation nitrogen generator is suitable for various industrial fields that require high-purity nitrogen, such as chemical industry, electronics, food, medicine, etc. At the same time, different specifications and models of membrane separation nitrogen generators can be provided according to the different needs of users.

GASPU can provide you with various customized purity and yield membrane separation nitrogen generators. If you need them, please contact us.



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