

## CMS Molecular Sieve N2 Gas PSA Nitrogen Generator 30Nm3/H

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: negotiation
- Packaging Details: Plywood or other type
- Delivery Time: 25work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 4set/month



### Product Specification

- Certificates: BV,,CCS,TS,ISO
- Type: PSA Nitrogen Generator
- Nitrogen Capacity: 3400 Nm3 / Hr (2000scf/m)
- Can Be Move: Removeable
- Delivery Term: FOB Shanghai
- Operating Temperature: 5°C - 50°C
- Dimensions: 18.3x8.6x19.9cm
- Flow Meter: Included
- Style: All In One Box Style
- Filling Cylinder: Automatic Filling
- Voltage: 220v/380v/50-60hz
- Patent No: No.:ZL 2010 2 0139342.9
- Structure: Compact Structure
- Operation: Automatic
- Warrenty: 12 Months After Delivery



### More Images



## Product Description

### PSA Nitrogen Generator

A PSA nitrogen generator which capacity is 30Nm<sup>3</sup>/h and purity is 99.99%.

#### Datasheet for Nitrogen Generator

No.	Item	Specification
1	Product Name	Nitrogen Generator
2	Capacity	30Nm <sup>3</sup> /h
3	Dew point	Below-40
4	Purity	Min99.99%
5	Material	CS or CS with galv or SS
6	Vessel standard	ASME VIII.1
7	Pipeline standard	ASME B31.3
8	Power	According to design
9	Size	According to design
10	Weight	According to design
11	Control	Redundant CPU
12	Air compressor	Option
13	Plant air tank	Include
14	Nitrogen tank	Option

#### Description

PSA Nitrogen Generators offer several key features that make them highly efficient and reliable for nitrogen production. Here are the main features of a PSA Nitrogen Generator:

**On-Site Nitrogen Generation:** One of the primary features of a PSA Nitrogen Generator is the ability to produce nitrogen on-site, eliminating the need for external nitrogen supply or cylinder deliveries. This feature provides convenience, cost savings, and ensures a continuous and reliable nitrogen supply.

**Selective Adsorption Technology:** PSA Nitrogen Generators employ selective adsorption technology, utilizing specialized adsorbent materials like carbon molecular sieves (CMS). This technology allows for the preferential adsorption of oxygen molecules, enabling the production of high-purity nitrogen.

**Purity Control:** PSA Nitrogen Generators offer precise control over the purity of the generated nitrogen. The system can be adjusted to produce nitrogen with varying purity levels, typically ranging from 95% to 99.9999%, depending on the specific application requirements.

**Energy Efficiency:** PSA Nitrogen Generators are designed to be energy-efficient. The system optimizes the pressure swing adsorption process, minimizing energy consumption during both the adsorption and regeneration stages. This feature helps reduce operational costs and environmental impact.

**Automatic Operation:** PSA Nitrogen Generators are equipped with advanced control systems that enable automatic operation. The system monitors various parameters like pressure, flow rate, and purity levels to ensure optimal performance. It can automatically adjust operating parameters and switch between adsorption and regeneration cycles as needed.

**Modular Design:** PSA Nitrogen Generators often feature a modular design, allowing for easy scalability and flexibility.

Additional adsorption beds or vessels can be added to meet higher nitrogen demand, and the system can be adapted to changing production requirements.

**Integrated Controls and Safety Features:** PSA Nitrogen Generators incorporate comprehensive control panels with intuitive interfaces for easy operation and monitoring. They also include safety features such as pressure and temperature sensors, alarms, and automatic shutdown mechanisms to ensure safe and reliable operation.

Overall, the main features of a PSA Nitrogen Generator include on-site nitrogen generation, selective adsorption technology, purity control, energy efficiency, automatic operation, modular design, and integrated controls and safety features. These features make PSA Nitrogen Generators a versatile and reliable solution for a wide range of nitrogen applications.

#### Application:

1. Food packaging (cheese, salami, coffee, dried fruit, herbs, fresh pasta, ready meals, sandwiches.)
2. Bottling wine, oil, water, vinegar
3. Fruit and vegetable storage and packing material
4. Industry
5. Medical
6. Chemistry



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