

PSA Nitrogen Generator For Safe And Adaptable Nitrogen Protection In Oil And Gas Extraction

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CCS CE
- Model Number: NG -100



Product Specification

- Control System: PLC Control
- Mode: Fully Automatic
- Power Feature: Low Consumption
- Dew Dew Point: -50
- Nitrogen Dew Point: -40 Or -60
- Capacity: 5-5000 Nm³/h
- Third Party Check: BV/UL
- Material: Carbon Steel Or Stainless Steel
- Maintenance: Low Maintenance Cost
- Nitrogen: 3-2000Nm³/h
- Dew Point: -40°C To -70°C
- Supercharge: Equip
- Service Life: 10 Years
- Type: Membrane Type And PSA Type
- Highlight: **Adaptable PSA Nitrogen Generator**

Product Description

The method of using air as raw material and carbon molecular sieve as adsorbent, utilizing the principle of pressure swing adsorption, selectively adsorbing oxygen and nitrogen through carbon molecule screening, and separating nitrogen and oxygen is commonly referred to as PSA nitrogen production. This method is a new type of nitrogen production technology that rapidly developed in the 1970s. Compared with traditional nitrogen production methods, it has the advantages of simple process flow, high degree of automation, fast gas production speed (15-30 minutes), low energy consumption, product purity can be adjusted on a large scale according to user needs, easy operation and maintenance, low operating costs, and strong equipment adaptability. Therefore, it has strong competitiveness in nitrogen production equipment below 2000Nm³/h and is becoming increasingly popular among small and medium-sized nitrogen users. PSA nitrogen production has become the preferred method for small and medium-sized nitrogen fertilizer users.

The specialized nitrogen generator for the oil and gas industry is suitable for nitrogen protection, transportation, coverage, replacement, emergency rescue, maintenance, nitrogen injection, and oil recovery in mainland oil and gas extraction, coastal and deep-sea oil and gas extraction. It has the characteristics of high safety, strong adaptability, and continuous production. The chemical specific nitrogen generator is suitable for the processing of petrochemical, coal chemical, salt chemical, natural gas chemical, fine chemical, new materials and their derivative chemical products. Nitrogen is mainly used for covering, blowing, replacing, cleaning, pressure conveying, chemical reaction stirring, chemical fiber production protection, nitrogen filling protection and other fields.

The specialized nitrogen fertilizer machine for the metallurgical industry is suitable for fields such as heat treatment, bright annealing, protective heating, powder metallurgy, copper and aluminum processing, magnetic material sintering, precious metal processing, and bearing production. It has the characteristics of high purity and continuous production, and some processes require a certain amount of hydrogen gas in nitrogen to improve brightness.

The specialized nitrogen generator for the coal mining industry is suitable for fire prevention and extinguishing, gas and gas dilution, and other fields in coal mining. It has three specifications: ground fixed, ground mobile, and underground mobile, fully meeting the nitrogen requirements under different working conditions.

The specialized nitrogen generator for the rubber tire industry is suitable for nitrogen protection and molding during the vulcanization process of rubber and tire production. Especially in the production of all steel radial tires, the new process of nitrogen vulcanization has gradually replaced the steam vulcanization process. It has the characteristics of high nitrogen purity, continuous production, and high nitrogen pressure.

The food industry specific nitrogen generator is suitable for green storage of grain, nitrogen filling packaging of food, preservation of vegetables, sealing (canning) and storage of alcoholic beverages, etc.

Explosion proof nitrogen generators are suitable for places with explosion-proof requirements such as chemical, petroleum, and natural gas industries.

The specialized nitrogen generator for the pharmaceutical industry is mainly used in fields such as drug production, storage, packaging, and packaging.

The electronic industry specific nitrogen generator is suitable for semiconductor production packaging, electronic component production, LED, LCD liquid crystal display, lithium battery production and other fields. Nitrogen generators have the characteristics of high purity, small size, low noise, and low energy consumption.

Container type nitrogen generators are suitable for related fields such as petroleum, natural gas, and chemical engineering, and have the characteristics of strong adaptability and mobile operation.

Vehicle mounted mobile nitrogen generation vehicles are suitable for oil and gas extraction, pipeline blowing, replacement, emergency rescue, and dilution of flammable gases and liquids in the oil and gas industry. They are divided into low pressure, medium pressure, and high pressure series, with the characteristics of strong fluidity and movable operation.

Automobile tire nitrogen filling machine, mainly used for nitrogen filling of car tires in 4S stores and repair shops, can extend the service life of tires, reduce noise and fuel consumption.





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