

Smart Automatic Mini PSA Nitrogen Generator 4Nm³/H 99.9% Purity for Food Packaging

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GASPU
- Certification: CE, ISO 9001:2015
- Model Number: N2-FP-4
- Minimum Order Quantity: 1 Set
- Price: USD 6,000-10,000 / Set
- Packaging Details: Export-grade plywood case with foam padding
- Delivery Time: 30 working days
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 10 Sets per Month



Product Specification

- Model: N2-FP-4
- Nitrogen Flow Rate: 4 Nm³/H
- Nitrogen Purity: 99.9%
- Dew Point: ≤ -45 DegC
- Output Pressure: 0.5-0.8 MPa
- Control System: Smart PLC + Touch Screen HMI
- Operation Mode: Fully Automatic
- Power Consumption: 2.2 KW
- Footprint (LxWxH): 1500 X 1000 X 1600 Mm
- Noise Level: ≤ 58 DB(A)
- Application: Food Packaging / MAP
- Highlight: **Smart Automatic Mini Nitrogen Generator, Small Scale Food Packaging N2 Machine, 99.9% Purity On-Site N2 Generator**

Product Description

Smart Automatic Mini PSA Nitrogen Generator 4Nm³/H for Food Packaging

The GASPU N2-FP-4 is a smart automatic mini PSA nitrogen generator designed for small scale food packaging lines. This compact machine produces food-grade nitrogen on site at 99.9% purity, giving snack, coffee and dry food packers a low-cost alternative to liquid nitrogen and cylinder supply.

Key Features & Competitive Advantages

Smart Automatic Control: Intelligent PLC with touch screen, one-button start, automatic purity compensation and alarm notification.

Mini Small Scale Design: Compact footprint of only 1500 x 1000 mm, ideal for small workshops and packaging rooms.

Food Packaging Grade Nitrogen: 99.9% purity with low dew point extends shelf life of packaged food through modified atmosphere packaging.

Replaces Liquid Nitrogen Supply: On-site generation eliminates liquid nitrogen delivery cost, storage risk and supply interruption.

Energy Saving & Quiet: Low power consumption of 2.2 kW with noise level ≤ 58 dB(A), workshop friendly.

Technical Specifications

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Output Pressure	0.5-0.8 MPa
Control System	Smart PLC + Touch Screen HMI
Operation Mode	Fully Automatic
Power Consumption	2.2 kW
Footprint (LxWxH)	1500 x 1000 x 1600 mm
Noise Level	≤ 58 dB(A)

Common Applications

Snack food packaging, coffee bean nitrogen flushing, dried fruit and nut packaging, tea packaging, MAP modified atmosphere packaging lines.

Frequently Asked Questions

Q: Is the nitrogen food grade?

A: Yes, output nitrogen meets food packaging grade with purity up to 99.9%.

Q: How much space is needed?

A: Only 1500 x 1000 mm, it fits into most packaging workshops without civil works.

Q: Can it replace liquid nitrogen dosing?

A: Yes, it supplies equivalent inerting performance at a fraction of the operating cost.



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