

Smart Automatic Mini PSA Nitrogen Generator 8Nm3/H 99.99% for Food Packaging Line

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GASPU
- Certification: CE, ISO 9001:2015
- Model Number: N2-FP-8
- Minimum Order Quantity: 1 Set
- Price: USD 9,000-15,000 / 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-8
- Nitrogen Flow Rate: 8 Nm3/H
- Nitrogen Purity: 99.99%
- Dew Point: ≤ -50 DegC
- Output Pressure: 0.5-0.8 MPa
- Control System: Smart PLC + Touch Screen HMI
- Operation Mode: Fully Automatic
- Power Consumption: 4 KW
- Footprint (LxWxH): 1800 X 1200 X 1700 Mm
- Noise Level: ≤ 60 DB(A)
- Application: Food Packaging Line / Beverage
- Highlight: **Liquid Nitrogen Generator Machine, Smart Automatic Food Packaging N2, Mini Scale PSA Nitrogen Unit**

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Product Description

Smart Automatic Mini PSA Nitrogen Generator 8Nm³/H for Food Packaging Line

The GASPU N2-FP-8 is a smart automatic mini liquid nitrogen generator machine for food packaging lines that need higher flow. Generating 8Nm³/H of food-grade nitrogen at 99.99% purity on site, it powers beverage, dairy and prepared food packaging with stable inert gas flushing around the clock.

Key Features & Competitive Advantages

Higher Output for Packaging Lines: 8Nm³/H continuous supply supports multi-line nitrogen flushing and blanketing.

Smart Fully Automatic Operation: PLC + HMI with purity trending, flow control and remote alarm for unattended shifts.

Mini Scale Skid Design: Pre-assembled compact unit, plug-and-play installation in one day with minimal footprint.

Food Packaging Grade Purity: 99.99% nitrogen with dew point ≤ -50°C protects flavor, color and shelf life.

Cost Saving vs Liquid Nitrogen: Removes recurring liquid nitrogen purchase, storage and delivery costs with fast payback.

Technical Specifications

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Output Pressure	0.5-0.8 MPa
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Noise Level	≤ 60 dB(A)

Common Applications

Beverage and water packaging, dairy products, cooked food MAP packaging, bakery nitrogen flushing, pharmaceutical food supplement packaging.

Frequently Asked Questions

Q: What is the payback period?

A: Most food packers recover the investment within 8-14 months by replacing purchased liquid nitrogen.

Q: Does it require an operator?

A: No, the smart automatic system runs unattended with alarm notifications.

Q: What certifications apply?

A: CE and ISO 9001:2015 certified; food contact components comply with food safety requirements.



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