

Industrial PSA Nitrogen Generator 99.999% High Purity 100 Nm³/H for Manufacturing Plants

Our Product Introduction

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Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: CE, ISO 9001:2015
- Model Number: FS-N2-100MF
- Minimum Order Quantity: 1 Set
- Price: USD 16,000-52,000 / Set
- Packaging Details: Export wooden case with PE film protection, sea-worthy packing
- Delivery Time: 35-45 working days
- Payment Terms: T/T, L/C
- Supply Ability: 10 Sets per Month



Product Specification

- Nitrogen Purity: 99.999% (O₂ ≤ 5 Ppm)
- Capacity: 100 Nm³/H
- Pressure Dew Point: ≤ -60 Deg C
- Air Source Pressure: 0.75 - 1.0 MPa
- Nitrogen Outlet Pressure: 0.1 - 0.8 MPa
- Voltage: 220V/380V/440V 50/60Hz
- Adsorbent: Carbon Molecular Sieve (CMS)
- Control System: PLC + Touch Screen HMI
- Mounting: Skid-Mounted
- Warranty: 1 Year
- HS CODE: 8419609090
- Highlight: **Industrial 99.999% N₂ Generator, 100 Nm³/H Manufacturing Nitrogen, High Purity On-Site N₂ Plant**



Product Description

Industrial PSA Nitrogen Generator 99.999% High Purity for Manufacturing Plants

The **Industrial PSA Nitrogen Generator** delivers **99.999%** ultra-high-purity nitrogen for manufacturing plants. With **100 Nm³/H** capacity and oxygen content below **5 ppm**, this generator provides a reliable on-site nitrogen supply for electronics, automotive and metal processing production lines.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-100MF
Capacity	100 Nm ³ /H
Nitrogen Purity	99.999% (O ₂ ≤ 5 ppm)
Application	Manufacturing Plants
HS CODE	8419609090

Core Features & Advantages

Ultra-High Purity 99.999%: Residual oxygen below 5 ppm meets the strictest manufacturing quality requirements.

Industrial Duty Design: Heavy-duty components engineered for continuous 24/7 plant operation.

On-Site Generation: Eliminates cylinder handling and liquid nitrogen logistics costs.

Stable Output: Twin-tower PSA cycling ensures uninterrupted nitrogen supply for production lines.

Automatic Operation: PLC control with touch screen monitoring minimizes operator workload.

Compact Footprint: Skid-mounted design saves valuable manufacturing floor space.

Technical Specifications

Parameter	Value
Nitrogen Capacity	100 Nm ³ /H
Nitrogen Purity	99.999% (O ₂ ≤ 5 ppm)
Pressure Dew Point	≤ -60°C
Air Source Pressure	0.75 - 1.0 MPa
Nitrogen Outlet Pressure	0.1 - 0.8 MPa (adjustable)
Voltage	220V / 380V / 440V, 50/60Hz
Adsorbent	Carbon Molecular Sieve (CMS)
Control System	PLC + Touch Screen HMI
Mounting	Skid-Mounted

Applications

Ideal for electronics manufacturing, automotive plants, metal heat treatment, battery production and general industrial manufacturing requiring high-purity nitrogen.

FAQ

Q: What purity can the generator guarantee?

A: 99.999% with oxygen content below 5 ppm, verified by online analyzer.

Q: Is it suitable for continuous plant operation?

A: Yes. Industrial-duty components and automatic PLC control support 24/7 production.

Contact us today! Fly Speed supplies industrial PSA nitrogen generators with 99.999% purity for manufacturing plants.



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