

Advanced Durable Low-Maintenance PSA Nitrogen Generator 100 Nm³/H for Heavy Industry

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-N2-100HD
- Minimum Order Quantity: 1 Set
- Price: USD 15,000-46,000 / 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: 95% - 99.99%
- Capacity: 100 Nm³/H
- Pressure Dew Point: ≤ -45 Deg C
- Air Source Pressure: 0.75 - 1.0 MPa
- Nitrogen Outlet Pressure: 0.1 - 0.6 MPa
- Voltage: 220V/380V/440V 50/60Hz
- Adsorbent: Carbon Molecular Sieve (CMS)
- Control System: PLC + Touch Screen HMI
- Design Life: 15+ Years
- Warranty: 1 Year
- HS CODE: 8419609090
- Highlight: **Heavy Duty PSA N2 Generator, Low Maintenance Nitrogen Plant, Advanced Durable CMS Generator**

Product Description

Advanced Durable Low-Maintenance PSA Nitrogen Generator for Heavy Industry

The **Advanced Durable Low-Maintenance PSA Nitrogen Generator** is purpose-built for heavy industry environments that demand rugged reliability and minimal downtime. Delivering **100 Nm³/H** of nitrogen at **99.99%** purity, this generator combines advanced CMS adsorption technology with heavy-duty construction for years of trouble-free service.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-100HD
Capacity	100 Nm ³ /H
Nitrogen Purity	95% - 99.99% (Adjustable)
Design Life	15+ Years
HS CODE	8419609090

Core Features & Advantages

Heavy-Duty Durability: Reinforced carbon steel frame, industrial-grade valves and SS304 piping withstand harsh plant conditions.

Low Maintenance Design: Minimal moving parts; only periodic filter and CMS inspection needed (every 2-3 years).

Advanced PSA Technology: High-efficiency CMS adsorption with pressure equalization maximizes nitrogen recovery.

Reliable 24/7 Operation: Designed for continuous duty in heavy industry with stable purity output.

Simple Service Access: Tool-free access panels and modular components shorten maintenance downtime.

Corrosion Protection: Anti-rust treatment and weatherproof cabinet extend service life outdoors.

Technical Specifications

Parameter	Value
Nitrogen Capacity	100 Nm ³ /H
Nitrogen Purity	95% - 99.99% (adjustable via PLC)
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Air Source Pressure	0.75 - 1.0 MPa
Nitrogen Outlet Pressure	0.1 - 0.6 MPa (adjustable)
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Applications

Engineered for steelmaking, metal heat treatment, mining, cement plants, chemical processing and other heavy industries requiring dependable, low-maintenance nitrogen supply.

FAQ

Q: How often does the generator need maintenance?

A: Routine checks are limited to air filters and occasional CMS inspection every 2-3 years, keeping maintenance cost and downtime minimal.

Q: Can it operate outdoors?

A: Yes. The weatherproof, corrosion-protected cabinet is designed for outdoor installation in industrial plants.

Contact us today! Fly Speed supplies durable, low-maintenance PSA nitrogen generators for heavy industry with

fast delivery and long-term support.



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