

Fly Speed N2 PSA Nitrogen Generator 200 Nm3/H 99.999% Purity with PLC Control Air Separation Generator

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: CE, ISO 9001:2015
- Model Number: FS-N2-200
- Minimum Order Quantity: 1 Set
- Price: USD 25,000-80,000 / Set
- Packaging Details: Export wooden case with PE film protection, sea-worthy packing
- Delivery Time: 40-50 working days
- Payment Terms: T/T,L/C
- Supply Ability: 8 Sets per Month



Product Specification

- Control System: PLC + Touch Screen HMI, Remote Alarm
- Pressure Dew Point: ≤ -60 Deg C
- Nitrogen Purity: 95% - 99.999%
- Capacity: 200 Nm3/H
- Nitrogen Outlet Pressure: 0.1 - 0.8 MPa
- Optional Booster Pressure: Up To 15 MPa
- Highlight: **High Purity N2 Generator, Fly Speed PSA Nitrogen System, 200 Nm3/H Air Separation Plant**

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Product Description

Fly Speed N2 PSA Pure Nitrogen Generating Air Separation Generator 200 Nm3/H 99.999% Purity

The **Fly Speed N2 PSA Pure Nitrogen Generating Air Separation Generator** is engineered for medium-to-large industrial operations demanding stable, high-purity nitrogen around the clock. Combining advanced Pressure Swing Adsorption (PSA) air separation with premium Carbon Molecular Sieve (CMS), this generator delivers up to **200 Nm3/H** of pure nitrogen with purity up to **99.999%**.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-200
Capacity	200 Nm3/H
Nitrogen Purity	95% - 99.999% (Adjustable)
Condition	New
HS CODE	8419609090

Core Features & Advantages

High-Purity Air Separation: Advanced CMS towers separate oxygen from air to generate pure nitrogen with oxygen content as low as ≤ 10 ppm.

Continuous N2 Supply: Automatic twin-tower cycling guarantees uninterrupted nitrogen flow, eliminating downtime from gas delivery delays.

Smart PLC Control: One-touch start, real-time purity monitoring, and remote alarm via touch-screen HMI.

Lower Operating Cost: On-site generation cuts nitrogen cost by 30-50% compared with liquid nitrogen or cylinder supply.

Rugged Industrial Build: Carbon steel / SS304 piping, explosion-proof design options, suitable for harsh plant environments.

Flexible Integration: Optional nitrogen booster for high-pressure delivery up to 15 MPa, and buffer tank packages.

Technical Specifications

Parameter	Value
Nitrogen Capacity	200 Nm3/H
Nitrogen Purity	95% - 99.999% (adjustable via PLC)
Pressure Dew Point	$\leq -60^{\circ}\text{C}$
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, Remote Alarm
Optional Booster	Up to 15 MPa

Applications

Perfect for laser cutting lines, metal heat treatment, electronics and PCB manufacturing, chemical plants, oil & gas, food preservation and

pharmaceutical industries requiring high-purity nitrogen in large volumes.

Frequently Asked Questions

Q: How pure nitrogen can this air separation generator produce?

A: Standard models reach 99.99%; with optimized CMS filling and purge settings, purity up to 99.999% ($O_2 \leq 10$ ppm) is achievable.

Q: Do you provide installation guidance?

A: Yes. Fly Speed provides detailed drawings, on-site commissioning support and remote technical assistance for every generator.

Request a factory quote now! Contact Fly Speed for competitive pricing on the 200 Nm³/H pure nitrogen generating air separation generator, with fast delivery and full after-sales support.



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