

Industrial PSA Nitrogen Generator 99.999% High Purity 200 Nm³/H with SCADA-Ready Automation

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-N2-200MF
- Minimum Order Quantity: 1 Set
- Price: USD 22,000-68,000 / 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

- Nitrogen Purity: 99.999% (O₂ ≤ 5 Ppm)
- Capacity: 200 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
- Highlight: 200 Nm³/H Industrial N₂ Plant, 99.999% High Purity Generator, SCADA Ready Manufacturing N₂



More Images



Product Description

Industrial PSA Nitrogen Generator 99.999% High Purity 200 Nm³/H for Manufacturing Plants

The **Industrial PSA Nitrogen Generator** provides **200 Nm³/H** of **99.999%** high-purity nitrogen for large manufacturing plants. Featuring multi-tower adsorption, SCADA-ready automation and high nitrogen recovery, this system delivers cost-efficient ultra-pure nitrogen for demanding industrial production.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-200MF
Capacity	200 Nm³/H
Nitrogen Purity	99.999% (O₂ ≤ 5 ppm)
Application	Large Manufacturing Plants
HS CODE	8419609090

Core Features & Advantages

- 99.999% High Purity:** Ultra-pure nitrogen with O₂ ≤ 5 ppm for critical manufacturing processes.
- Multi-Tower PSA:** Enhanced adsorption efficiency and higher nitrogen recovery rate.
- SCADA-Ready Automation:** Remote monitoring, data logging and alarm management for plant integration.
- Energy Efficient:** Optimized cycle control reduces compressed air consumption per Nm³.
- Large Capacity:** 200 Nm³/H supports high-volume manufacturing operations.
- Reliable Supply:** Redundant valve design and continuous output ensure production security.

Technical Specifications

Parameter	Value
Nitrogen Capacity	200 Nm³/H
Nitrogen Purity	99.999% (O₂ ≤ 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 + SCADA Ready, Data Logging
Tower Configuration	Multi-Tower PSA

Applications

Used in large electronics factories, automotive manufacturing plants, steel processing, glass production and chemical plants requiring high-volume ultra-pure nitrogen.

Frequently Asked Questions

- Q: How does SCADA integration work?**
A: The PLC supports Modbus/OPC UA protocols for seamless connection to plant SCADA and MES systems.
- Q: What is the nitrogen recovery rate?**
A: Multi-tower design achieves up to 45% nitrogen recovery, reducing operating costs significantly.

Request a quote now! Fly Speed supplies industrial PSA nitrogen generators with 99.999% purity for large manufacturing plants.



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