

Intelligent Control PSA Nitrogen Generator 200 Nm³/H 99.999% Purity N₂ Plant

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: CE, ISO 9001:2015
- Model Number: FS-N2-200IC
- Minimum Order Quantity: 1 Set
- Price: USD 25,000-78,000 / 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: Intelligent PLC + SCADA/Modbus/OPC UA
- Capacity: 200 Nm³/H
- Nitrogen Outlet Pressure: 0.1 - 0.8 MPa
- Optional Booster Pressure: Up To 15 MPa
- Voltage: 220V/380V/440V 50/60Hz
- Pressure Dew Point: ≤ -60 Deg C
- Highlight: **SCADA Ready N₂ Generator, Intelligent Energy Management, 200 Nm³/H Smart PSA Plant**

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Product Description

Intelligent Control PSA Nitrogen Generator 200 Nm3/H 99.999% Purity SCADA Ready N2 Plant

Intelligent Control PSA Nitrogen Generator 200 Nm3/H

The **Intelligent Control PSA Nitrogen Generator** brings Industry 4.0 connectivity to high-volume nitrogen production. This **200 Nm3/H** system features advanced PLC automation, SCADA-ready communication and intelligent energy management, delivering ultra-pure nitrogen at **99.999%** purity with unattended 24/7 operation.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-200IC
Capacity	200 Nm3/H
Nitrogen Purity	95% - 99.999% (Self-Adaptive)
Control Mode	Intelligent PLC + SCADA Ready
HS CODE	8419609090

Core Features & Advantages

Industry 4.0 Ready: SCADA, Modbus TCP/RTU and OPC UA communication interfaces integrate with plant automation systems.

Intelligent Energy Management: Variable purge and adaptive cycle control minimize specific energy consumption.

Unattended Operation: Fully automatic start/stop, purity control and alarm handling for 24/7 production.

Remote Fleet Management: Monitor multiple generators from one IoT dashboard with centralized alarms.

High-Purity 99.999%: Precision CMS adsorption achieves residual oxygen ≤ 5 ppm for critical processes.

Predictive Diagnostics: Real-time component health tracking reduces downtime and maintenance cost.

Technical Specifications

Parameter	Value
Nitrogen Capacity	200 Nm3/H
Nitrogen Purity	95% - 99.999% (O2 ≤ 5 ppm)
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	Intelligent PLC + SCADA/Modbus/OPC UA
Optional Booster	Up to 15 MPa

Applications

Engineered for large laser cutting facilities, metal heat treatment plants, chemical factories, electronics campuses and centralized N2 supply networks requiring intelligent, connected operation.

Frequently Asked Questions

Q: Can it integrate with our existing SCADA system?

A: Yes. Modbus TCP/RTU and OPC UA protocols allow seamless integration with most plant control systems.

Q: Is operator training required?

A: Minimal. The intelligent system handles routine operation automatically; Fly Speed provides on-site training and remote support.

Request a factory quote now! Contact Fly Speed for the 200 Nm³/H intelligent control PSA nitrogen generator with Industry 4.0 connectivity.



Suzhou Gaopu Ultra pure gas technology Co.,Ltd



+8613912609547



luyycn@163.com



nitrogengeneratorsystem.com

No.161 Zhongfeng Street, Suzhou New District, Suzhou, P.R.China