

Intelligent Control PSA Nitrogen Generator 100 Nm³/H 99.99% Purity IoT Remote Monitoring

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-N2-100IC
- Minimum Order Quantity: 1 Set
- Price: USD 15,000-48,000 / 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% (self-adaptive)
- 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: Intelligent PLC + 10-inch HMI
- Remote Access: 4G / Wi-Fi / Ethernet IoT
- Warranty: 1 Year
- HS CODE: 8419609090
- Highlight: **Intelligent PLC Nitrogen Control, IoT Remote Monitoring N₂, 100 Nm³/H Smart PSA Generator**

Product Description

Intelligent Control PSA Nitrogen Generator 100 Nm3/H

The **Intelligent Control PSA Nitrogen Generator** represents the new generation of smart on-site nitrogen production. With advanced PLC + HMI automation, IoT remote monitoring and self-adaptive purity control, this **100 Nm3/H** system delivers nitrogen at **99.99%** purity with minimal operator intervention and maximum energy efficiency.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-100IC
Capacity	100 Nm3/H
Nitrogen Purity	95% - 99.99% (Self-Adaptive)
Control Mode	Intelligent PLC + IoT Remote
HS CODE	8419609090

Core Features & Advantages

Intelligent PLC Control: Self-adaptive adsorption timing automatically balances purity and flow for optimal efficiency.

IoT Remote Monitoring: Real-time data access via mobile app and web portal, with instant alarm notifications anywhere.

One-Touch Start: Fully automatic start-up, operation and shutdown; no specialist operator required.

Data Logging & Reports: Historical purity, flow and energy data export for production analysis and optimization.

Energy-Saving Algorithms: Smart purge control reduces compressed air consumption by up to 15%.

Predictive Maintenance: CMS life and filter status tracking alerts you before issues occur.

Technical Specifications

Parameter	Value
Nitrogen Capacity	100 Nm3/H
Nitrogen Purity	95% - 99.99% (self-adaptive)
Pressure Dew Point	≤ -45°C
Air Source Pressure	0.75 - 1.0 MPa
Nitrogen Outlet Pressure	0.1 - 0.6 MPa (adjustable)
Voltage	220V / 380V / 440V, 50/60Hz
Adsorbent	Carbon Molecular Sieve (CMS)
Control System	Intelligent PLC + 10-inch HMI
Remote Access	4G / Wi-Fi / Ethernet IoT

Applications

Ideal for laser cutting, metal heat treatment, electronics, food packaging and chemical plants seeking automated, remotely managed nitrogen supply.

FAQ

Q: Can I monitor the generator from my phone?

A: Yes. The IoT module streams real-time purity, flow and alarms to the Fly Speed mobile app and web portal.

Q: Does intelligent control reduce energy cost?

A: Yes. Smart purge and adaptive cycle algorithms cut compressed air consumption and energy cost by up to 15%.

Contact us today! Fly Speed offers intelligent control PSA nitrogen generators with IoT remote monitoring, fast delivery and full after-sales support.



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