

Automatic Scalable 300 Nm³/H PSA Nitrogen Generator with 99.99% Purity for Petroleum Industry

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: CE, ISO 9001:2015
- Model Number: FS-N2-300PT
- Minimum Order Quantity: 1 Set
- Price: USD 38,000-118,000 / Set
- Packaging Details: Export wooden case with PE film protection, sea-worthy packing
- Delivery Time: 45-60 working days
- Payment Terms: T/T,L/C
- Supply Ability: 5 Sets per Month



Product Specification

- Capacity: 300 Nm³/H (scalable)
- Nitrogen Outlet Pressure: 0.1 - 1.5 MPa
- Booster Option: Up To 25 MPa For Well Injection
- Adsorbent: Carbon Molecular Sieve (CMS)
- Voltage: 220V/380V/440V 50/60Hz
- Air Source Pressure: 0.75 - 1.0 MPa
- Highlight: **300 Nm³/H Petroleum N₂ Plant, SCADA Automatic Nitrogen System, Scalable Continuous Output PSA**

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Product Description

Automatic Scalable Continuous Output PSA Nitrogen Generator 300 Nm3/H for Petroleum Industry

Power your petroleum operations with the **Automatic Scalable Continuous Output PSA Nitrogen Generator** . Delivering **300 Nm3/H** of nitrogen at **99.99%** purity, this generator combines full automation, modular scalability and continuous output for large-scale oilfield and refinery nitrogen demands.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-300PT
Capacity	300 Nm3/H (Scalable)
Nitrogen Purity	99.99% (Adjustable)
Operation	Fully Automatic PLC + SCADA
HS CODE	8419609090

Core Features & Advantages

- Continuous 24/7 Output:** Multi-tower PSA cycling delivers uninterrupted nitrogen for round-the-clock operations.
- Scalable Capacity:** Add modules to expand from 300 Nm3/H upward as field demand grows.
- Full Automation:** PLC + SCADA integration enables remote monitoring and unattended operation.
- Petroleum Industry Focus:** Optimized for well nitrogen injection, pipeline purging and tank blanketing.
- Rugged Oilfield Build:** Weatherproof skid, corrosion-resistant materials and explosion-proof options.
- Energy Efficient:** High-recovery adsorption towers reduce operating cost per Nm3.

Technical Specifications

Parameter	Value
Nitrogen Capacity	300 Nm3/H (scalable)
Nitrogen Purity	95% - 99.99% (adjustable)
Pressure Dew Point	≤ -45°C
Air Source Pressure	0.75 - 1.0 MPa
Nitrogen Outlet Pressure	0.1 - 1.5 MPa (adjustable)
Voltage	220V / 380V / 440V, 50/60Hz
Adsorbent	Carbon Molecular Sieve (CMS)
Control System	PLC + SCADA, Remote Monitoring
Booster Option	Up to 25 MPa for Well Injection

Applications

Used in oilfield nitrogen injection, refinery purging, LNG plants, pipeline commissioning and petrochemical inerting where high-volume continuous nitrogen is critical.

FAQ

Q: Can this system handle well injection pressure?

A: Yes. With booster options up to 25 MPa, it supports high-pressure nitrogen injection for oil well stimulation.

Q: How is capacity scaled up later?

A: Standardized adsorption modules are added to the existing skid, minimizing disruption and cost.

[Request a quote now!](#)

Fly Speed supplies automatic scalable continuous output nitrogen generators for the petroleum industry.



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