

Industrial PSA Nitrogen Generator Coal Mine Inerting Explosion Prevention 200 Nm³/H N₂

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ECER
- Certification: ISO 9001:2015, CE
- Model Number: PSA-N2-200M
- Minimum Order Quantity: 1 Set
- Price: USD 60,000-90,000 / Set
- Packaging Details: Export-grade seaworthy packing with shock-proof reinforcement
- Delivery Time: 30-45 working days after deposit
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 10 Sets per Month



Product Specification

- Model: PSA-N2-200M
- Nitrogen Purity: 99% (97%-99.9% Adjustable)
- Nitrogen Flow Rate: 200 Nm³/h
- Pressure Dew Point: -40°C
- Working Pressure: 0.8-1.0 MPa
- Application: Coal Mine Inerting & Explosion Prevention
- Unit Type: Industrial Skid-Mounted
- Control System: PLC Automatic Control
- Power Supply: 380V/50Hz
- Safety Feature: Explosion-Proof Optional
- Adsorbent: Carbon Molecular Sieve
- Highlight: **Coal Mine Inerting System,
Explosion Prevention Nitrogen,
Industrial PSA N₂ Generator**

Product Description

Industrial PSA Nitrogen Generator for Coal Mine Inerting & Explosion Prevention

Industrial Grade | 200 Nm3/h Capacity | Mine Inerting | Explosion Prevention

This PSA-N2-200M is an **industrial PSA nitrogen generator** purpose-built for coal mine inerting and explosion prevention. It generates high-purity nitrogen on site to displace oxygen in goaf areas, sealed zones and pipeline networks, effectively preventing spontaneous combustion and gas explosions in underground mining operations.

Key Selling Points

Coal Mine Inerting: Continuous nitrogen injection into goaf and sealed areas to maintain inert atmosphere below the explosion limit.

Explosion Prevention: Rapid oxygen displacement reduces fire and explosion risks from coal spontaneous combustion and gas accumulation.

Industrial Duty Design: Heavy-duty compressor and adsorption vessels engineered for 24/7 underground mine service.

High Capacity Output: Stable nitrogen flow of 200 Nm3/h with adjustable purity from 97% to 99.9%.

Low Dew Point: Pressure dew point as low as -40°C, ensuring dry nitrogen for reliable inerting performance.

Safe & Reliable Operation: PLC automatic control with alarm and interlock protection, optional explosion-proof configuration.

Technical Specifications

Parameter	Value
Model	PSA-N2-200M
Nitrogen Purity	99% (97%-99.9% Adjustable)
Nitrogen Flow Rate	200 Nm3/h
Pressure Dew Point	-40°C
Working Pressure	0.8-1.0 MPa
Application	Coal Mine Inerting & Explosion Prevention

Contact us today for an industrial nitrogen generator solution tailored to your coal mine safety requirements.



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