

High Purity Fully Automatic PSA Nitrogen Generator 300 Nm3/h for Industrial Gas Storage

Our Product Introduction

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Basic Information

- Place of Origin: Suzhou, China
- Brand Name: GASPU
- Certification: ISO 9001:2015, CE
- Model Number: GASPU-N2-370
- Minimum Order Quantity: 1 Set
- Price: USD 78,000-120,000 / 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: 20 Sets per Month



Product Specification

- Nitrogen Purity: 99.999% (adjustable 95-99.999%)
- Nitrogen Flow Rate: 300 Nm3/h
- Pressure Dew Point: -60 C
- Working Pressure: 0.6-1.0 MPa
- Outlet Pressure: 0.1-0.6 MPa (booster Available)
- Control System: Siemens PLC Fully Automatic, Unattended Operation
- Adsorption Technology: Twin-tower PSA With Carbon Molecular Sieve
- Purity Monitoring: Online Oxygen Analyzer With Auto Purity Regulation
- Power Supply: 380V/50Hz, 3 Phase
- Application: Industrial Gas Storage Tank Blanketing And Inerting
- Noise Level: 75 DB(A) At 1 M
- Warranty: 12 Months



More Images



Product Description

High Purity Fully Automatic PSA Nitrogen Generator for Industrial Gas Storage

High Purity 99.999% | Fully Automatic PLC | Gas Storage Blanketing | On-Site N2 Supply

The GASPU-N2-303 is a **high purity fully automatic PSA nitrogen generator** built for **industrial gas storage** duty. With a 300 Nm³/h output at up to 99.999% purity, it supplies a continuous, dry, oil-free nitrogen blanket for storage tanks, buffer vessels and gas holders, displacing oxygen to keep stored product stable and non-flammable.

Key Selling Points

High Purity Output: Stable 99.999% nitrogen (residual O₂ under 10 ppm), adjustable from 95% to 99.999% through the PLC recipe for different storage products.

Fully Automatic Operation: Siemens PLC with automatic start and stop, tower switching, purity monitoring and alarm interlock; unattended running with remote status signals.

Industrial Gas Storage Design: Constant low-pressure blanketing supply with pressure hold control, matched to tank farm consumption and vapor displacement.

Carbon Molecular Sieve Core: Twin adsorption towers with high-density CMS deliver fast O₂ uptake, long service life and low dew point down to -60°C.

Safe Inerting Supply: Dry nitrogen blanket prevents flammable vapour build-up and preserves product quality in solvent, chemical and LNG-adjacent storage.

Low Cost of Ownership: On-site generation removes cylinder and liquid nitrogen purchase, with energy-optimised adsorption cycles and 12-month warranty.

Technical Specifications

Parameter	Value
Model	GASPU-N2-303
Nitrogen Purity	99.999% (adjustable 95-99.999%)
Nitrogen Flow Rate	300 Nm ³ /h
Pressure Dew Point	≤ -60°C
Working Pressure	0.6-1.0 MPa
Nitrogen Outlet Pressure	0.1-0.6 MPa (booster available)
Control System	Siemens PLC, fully automatic
Purity Monitoring	Online oxygen analyzer
Power Supply	380V/50Hz, 3 phase
Application	Industrial gas storage blanketing and inerting

Application Scope

Designed for storage tank blanketing, tank farm inerting, gas holder make-up, solvent and chemical storage protection, and any industrial gas storage site that needs a reliable on-site high purity nitrogen supply.

Contact us today for a high purity fully automatic PSA nitrogen generator sized to your industrial gas storage requirements.



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