

High Purity Fully Automatic PSA Nitrogen Generator 300 Nm3/h Booster 15 MPa for Industrial Gas Storage

Our Product Introduction

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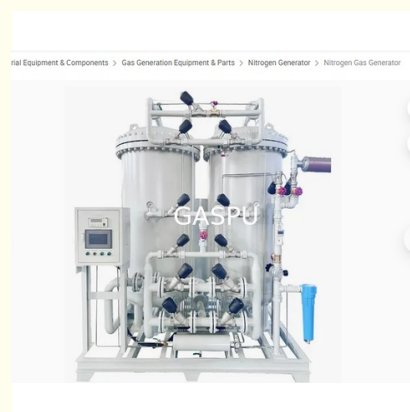
Basic Information

- Place of Origin: Suzhou, China
- Brand Name: GASPU
- Certification: ISO 9001:2015, CE
- Model Number: GASPU-N2-371
- Minimum Order Quantity: 1 Set
- Price: USD 95,000-150,000 / Set
- Packaging Details: Export-grade seaworthy packing with shock-proof reinforcement
- Delivery Time: 35-55 working days after deposit
- Payment Terms: T/T,L/C,Western Union
- Supply Ability: 15 Sets per Month



Product Specification

- Nitrogen Purity: 99.99% (adjustable 95-99.99%)
- Nitrogen Flow Rate: 300 Nm3/h At 0.6-1.0 MPa
- Booster Outlet Pressure: 15 MPa (150 Bar)
- Boosted Flow Rate: 200 Nm3/h At 15 MPa
- Pressure Dew Point: -60 C
- Control System: Siemens PLC Fully Automatic With Booster Interlock
- Adsorption Technology: Twin-tower PSA With Carbon Molecular Sieve
- Purity Monitoring: Online Oxygen Analyzer With Automatic Purity Correction
- Cooling Method: Air Cooling
- Power Supply: 380V/50Hz, 3 Phase
- Application: High Pressure Industrial Gas Storage, Purging And Cylinder Filling
- Warranty: 12 Months



More Images



Product Description

High Purity Fully Automatic PSA Nitrogen Generator 300 Nm³/h with 15 MPa Booster for Industrial Gas Storage

High Purity 99.99% | Fully Automatic PLC | 15 MPa Booster | High Pressure Gas Storage

The GASPU-N2-307 combines a **high purity fully automatic PSA nitrogen generator** with an oil-free booster, taking 300 Nm³/h of 99.99% nitrogen from 0.6-1.0 MPa up to **15 MPa** for high pressure **industrial gas storage**. One skid feeds both low pressure blanketing lines and high pressure storage banks or cylinder filling stations.

Key Selling Points

High Purity Nitrogen: 99.99% purity with online oxygen analysis and automatic correction, so stored nitrogen stays inside specification during long holding periods.

Fully Automatic Booster Control: PLC sequences PSA generation, buffer storage and booster loading with pressure interlocks, no manual valve operation.

15 MPa High Pressure Output: Oil-free booster raises nitrogen to 150 bar for high pressure storage banks, cylinder filling and fast pipeline purging.

Dual Pressure Supply: Simultaneous low pressure blanket gas for storage vessels and high pressure gas for storage banks from a single nitrogen source.

Robust Heat Management: Air-cooled booster with temperature monitoring and automatic trip protection for continuous industrial duty.

On-Site Economy: Replaces high pressure cylinder and liquid nitrogen deliveries, cutting nitrogen cost with energy-optimised adsorption cycles.

Technical Specifications

Parameter	Value
Model	GASPU-N2-371
Nitrogen Purity	99.99% (adjustable 95-99.99%)
Nitrogen Flow Rate	300 Nm ³ /h at 0.6-1.0 MPa
Booster Outlet Pressure	15 MPa (150 bar)
Boosted Flow Rate	200 Nm ³ /h at 15 MPa
Pressure Dew Point	≤ -60°C
Control System	Siemens PLC, fully automatic
Cooling Method	Air cooling
Power Supply	380V/50Hz, 3 phase
Application	High pressure industrial gas storage and purging

Application Scope

Built for high pressure gas storage banks, cylinder filling, storage vessel blanketing, pipeline purging and inerting in chemical, metallurgical and energy plants that need high purity nitrogen at both low and high pressure.

Contact us today for a high purity fully automatic PSA nitrogen generator with 15 MPa booster for your industrial gas storage.



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