

High Purity Fully Automatic PSA Nitrogen Generator 150 Nm³/h PLC Control for Gas Storage Tank Farm

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong, China
- Brand Name: GASPU
- Certification: ISO 9001:2015, CE
- Model Number: GASPU-N2-157
- Minimum Order Quantity: 1 Set
- Price: USD 52,000-80,000 / Set
- Packaging Details: Export-grade seaworthy packing with shock-proof reinforcement
- Delivery Time: 25-40 working days after deposit
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 25 Sets per Month



Product Specification

- Nitrogen Purity: 99.99% (adjustable 95-99.99%)
- Nitrogen Flow Rate: 150 Nm³/h
- Pressure Dew Point: -55 C
- Working Pressure: 0.6-0.8 MPa
- Outlet Pressure: 0.1-0.5 MPa (booster Available)
- Control System: PLC Fully Automatic With Touch Screen HMI
- Adsorption Technology: Twin-tower PSA With Carbon Molecular Sieve
- Purity Monitoring: Online Oxygen Analyzer With Automatic Purity Correction
- Power Supply: 380V/50Hz, 3 Phase
- Application: Gas Storage Tank Farm Blanketing And Inerting
- Noise Level: 75 DB(A) At 1 M
- Warranty: 12 Months
- Highlight: **Nitrogen Generator Gas Storage,**

Product Description

High Purity Fully Automatic PSA Nitrogen Generator for Gas Storage Tank Farms

High Purity 99.99% | Fully Automatic PLC Control | Tank Farm Blanketing | Compact Skid

The GASPU-N2-157 is a **high purity fully automatic PSA nitrogen generator** configured for **gas storage tank farms**. It produces 150 Nm³/h of 99.99% nitrogen for tank blanketing, vapor space inerting and pipeline purging, keeping stored gases and liquids outside the flammable range without any delivered gas supply.

Key Selling Points

High Purity Nitrogen: 99.99% purity with online oxygen analysis and automatic correction, so the tank blanket stays within specification shift after shift.

Fully Automatic PLC Control: Touch screen HMI with automatic tower switching, purity trend recording and fault alarms; no operator intervention during normal running.

Gas Storage Tank Farm Ready: Skid-mounted layout with pressure hold control, sized for multiple storage tanks and discontinuous draw-off.

Carbon Molecular Sieve Beds: Twin-tower PSA design with high-density CMS and low dew point of -55°C protects tanks from moisture ingress.

Compact Installation: Small footprint skid with pre-piped valves, ready for fast commissioning inside an existing tank farm utility area.

Predictable Running Cost: On-site generation replaces cylinder and liquid nitrogen deliveries, with energy-optimised cycles and 12-month warranty.

Technical Specifications

Parameter	Value
Model	GASPU-N2-157
Nitrogen Purity	99.99% (adjustable 95-99.99%)
Nitrogen Flow Rate	150 Nm ³ /h
Pressure Dew Point	≤ -55°C
Working Pressure	0.6-0.8 MPa
Nitrogen Outlet Pressure	0.1-0.5 MPa (booster available)
Control System	PLC fully automatic with touch screen HMI
Purity Monitoring	Online oxygen analyzer
Power Supply	380V/50Hz, 3 phase
Application	Gas storage tank farm blanketing and inerting

Application Scope

Ideal for gas storage tank farms, tank blanketing and vapor space inerting, pipeline purging, solvent storage protection and other industrial gas storage sites needing dependable high purity nitrogen.

Contact us today for a high purity fully automatic PSA nitrogen generator for your gas storage tank farm.



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