

High Efficiency Full Automatic Membrane Nitrogen Generator Equipment 400 Nm3/h for Industrial N2 Supply

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-MNG-400
- Minimum Order Quantity: 1 Set
- Price: USD 45,000-95,000 / 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: 95-99.5% (adjustable)
- Nitrogen Flow Rate: 400 Nm3/h
- Separation Technology: Hollow Fiber Membrane Separation
- Membrane Life: 10-15 Years
- Pressure Dew Point: -40 C
- Working Pressure: 0.6-1.0 MPa
- Control System: PLC With HMI Touch Screen, Full Automatic
- Air Treatment: Integrated Air Compressor, Dryer And Precision Filters
- Noise Level: 65 DB(A) At 1 M
- Power Supply: 380V/50Hz, 3 Phase
- Application: Industrial On-site N2 Gas Supply
- Warranty: 12 Months
- Highlight: **Full Automatic Membrane Nitrogen Generator, High Efficiency N2 Generation Equipment, Industrial N2 Gas Supply**

Product Description

High Efficiency Full Automatic Membrane Nitrogen Generator Equipment 400 Nm³/h

High Efficiency | Full Automatic PLC | Membrane Separation | 400 Nm³/h Industrial N₂

The GASPU-MNG-400 is **high efficiency nitrogen generation equipment** built on hollow fiber membrane separation. Delivering 400 Nm³/h of 95-99.5% nitrogen, this **full automatic membrane nitrogen generator** ships as a complete skid with air compressor, dryer, filters and buffer tank, giving an industrial plant its own on-site N₂ supply without liquid nitrogen deliveries.

Key Selling Points

High Efficiency Separation: Hollow fiber membrane modules with optimised air flow give high nitrogen recovery and low specific power consumption per Nm³.

Full Automatic Operation: PLC with HMI touch screen controls start-up, purity adjustment and alarm interlock; no operator needed during normal running.

Complete Equipment Package: Air compressor, refrigerated dryer, precision filters, membrane racks and nitrogen buffer tank pre-piped on one skid.

400 Nm³/h Industrial Output: Flow matched to continuous plant consumption for inerting, blanketing, purging and conveying duties.

Long Membrane Life: High quality polymer membrane bundles rated for 10-15 years when operated inside the specified air quality window.

Low Maintenance Cost: Very few moving parts, filter element replacement only, compact footprint and 12-month warranty.

Technical Specifications

Parameter	Value
Model	GASPU-MNG-400
Nitrogen Purity	95-99.5% (adjustable)
Nitrogen Flow Rate	400 Nm ³ /h
Separation Technology	Hollow fiber membrane separation
Membrane Life	10-15 years
Pressure Dew Point	≤ -40°C
Working Pressure	0.6-1.0 MPa
Control System	PLC with HMI touch screen
Power Supply	380V/50Hz, 3 phase
Application	Industrial on-site N ₂ gas supply

Application Scope

Used for tank and vessel blanketing, pipeline purging, chemical and petrochemical inerting, food and pharmaceutical packaging gas supply, electronics manufacturing and general industrial N₂ gas generation.

Contact us today for a high efficiency full automatic membrane nitrogen generator equipment package sized to your industrial N₂ demand.



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