

Membrane Nitrogen Plant China Manufacturer 99.9% Purity Modular Nitrogen Generator 100 Nm³/H

Our Product Introduction

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Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: CE, ISO 9001:2015
- Model Number: FS-MB-100
- Minimum Order Quantity: 1 Set
- Price: USD 12,000-38,000 / Set
- Packaging Details: Export wooden case with PE film protection, sea-worthy packing
- Delivery Time: 30-40 working days
- Payment Terms: T/T, L/C
- Supply Ability: 12 Sets per Month



Product Specification

- Nitrogen Purity: 99.9% (O₂ ≤ 1000 Ppm)
- Capacity: 100 Nm³/H Per Module
- Pressure Dew Point: ≤ -45 Deg C
- Air Source Pressure: 0.8 - 1.3 MPa
- Nitrogen Outlet Pressure: 0.1 - 1.0 MPa
- Voltage: 220V/380V 50/60Hz
- Membrane Type: Hollow Fiber Polymer
- Control System: PLC + Touch Screen HMI
- Expansion: Parallel Membrane Banks
- Warranty: 1 Year
- HS CODE: 8419609090
- Highlight: **Membrane Modular Nitrogen Plant,
99.9% Purity Membrane N₂ Generator ,
100 Nm³/H On-Site Gas System**

Product Description

Membrane Nitrogen Plant China Manufacturer 99.9% Purity Modular Nitrogen Generator

The **Membrane Separation Modular Nitrogen Generator** from a leading **China manufacturer** delivers **100 Nm³/H** of **99.9%** purity nitrogen using advanced hollow-fiber membrane technology. This modular nitrogen plant offers simple operation, low maintenance and flexible capacity expansion for on-site gas nitrogen production.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-MB-100
Technology	Membrane Separation
Capacity	100 Nm ³ /H (Modular)
Nitrogen Purity	99.9%
HS CODE	8419609090

Core Features & Advantages

Membrane Separation Technology: Hollow-fiber membranes separate nitrogen from compressed air with no moving parts.

Modular Design: Standardized modules enable easy capacity expansion by adding membrane banks.

China Factory Direct: Competitive manufacturer pricing with reliable quality control.

99.9% Purity: Consistent nitrogen output for industrial gas applications.

Low Maintenance: No adsorbent replacement, minimal moving parts - reduced operating cost.

Quick Start: Reaches full purity in minutes, ideal for intermittent operation.

Technical Specifications

Parameter	Value
Nitrogen Capacity	100 Nm ³ /H per module
Nitrogen Purity	99.9% (O ₂ ≤ 1000 ppm)
Pressure Dew Point	≤ -45°C
Air Source Pressure	0.8 - 1.3 MPa
Nitrogen Outlet Pressure	0.1 - 1.0 MPa (adjustable)
Voltage	220V / 380V, 50/60Hz
Membrane Type	Hollow Fiber Polymer
Control System	PLC + Touch Screen HMI
Expansion	Parallel Membrane Banks

Applications

Used for on-site nitrogen production in food packaging, electronics, chemical blanketing, metal processing and marine/offshore applications.

FAQ

Q: How is membrane nitrogen different from PSA?

A: Membrane systems have no moving parts and no adsorbent, offering lower maintenance and instant startup.

Q: How does modular expansion work?

A: Add parallel membrane banks to increase nitrogen output without replacing existing equipment.

Contact us today! Fly Speed supplies membrane separation nitrogen plants with 99.9% purity from our China factory.



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