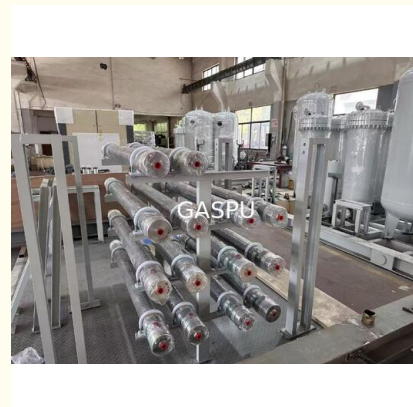


Industrial Membrane Separation Nitrogen Generator On-site N2 System with 100 Nm3/h Capacity 99% Purity and PLC Automatic Control

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE, ISO 9001
- Model Number: MSNG-100
- Minimum Order Quantity: 1 Set
- Price: USD 15000-80000 / Set
- Packaging Details: Export wooden case with waterproof lining and foam protection
- Delivery Time: 60 working days
- Payment Terms: T/T,L/C
- Supply Ability: 10 Sets per Month



Product Specification

- N2 Purity: 99%
- Membrane Life: 10-15 Years
- Control System: PLC Automatic
- Inlet Air Quality: ISO 8573-1 Class 1.4.1
- Power Supply: 380V/50Hz
- Pressure Dew Point: -40 Deg C
- Highlight: **Industrial Membrane Separation N2, On-site Nitrogen Generator System, 99% Purity Membrane N2 System**

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Product Description

Industrial Membrane Separation Nitrogen Generator On-site N2 System 100Nm3/h 99% Purity

Industrial Membrane Separation Nitrogen Generator - On-site N2 System

This industrial membrane separation nitrogen generator produces high-purity nitrogen on site with advanced hollow fiber membrane technology, delivering 100Nm3/h at 99% purity for laser cutting, electronics, food packaging and chemical blanketing applications.

Working Principle

Compressed air passes through hollow fiber membrane bundles. Oxygen and water vapor permeate the membrane fibers faster than nitrogen, producing a continuous, dry nitrogen stream at the outlet without regeneration cycles or adsorbent replacement.

Key Features

Industrial membrane separation technology: no moving parts inside the separator, long service life

Instant start-up: reaches rated purity within minutes, ideal for intermittent duty

Low maintenance: only pre-filter elements need periodic replacement

Fully automatic PLC control: purity monitoring and alarm output as standard

Compact skid design: integrated compressor, dryer, filters and membrane module

Technical Specifications

N2 Capacity	100 Nm3/h
N2 Purity	99% (adjustable 95%-99.5%)
Working Pressure	0.8-1.3 MPa
Inlet Air Quality	ISO 8573-1 Class 1.4.1
Pressure Dew Point	-40 deg C
Membrane Type	Hollow fiber polysulfone
Membrane Life	10-15 years
Power Supply	380V/50Hz or customized

Applications

Laser cutting
SMT reflow soldering
Food and beverage packaging
Pharmaceutical blanketing
Chemical tank purging
Heat treatment

Customized capacity and purity available. Contact us for a free technical proposal.



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