

High Purity Nitrogen Gas Generator 100Nm³/h 99.9995% Ultra Pure PSA N₂ System PN-100H

Our Product Introduction

for more products please visit us on nitrogengeneratorsystem.com

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: GASPU
- Certification: ISO 9001:2015, CE
- Model Number: PN-100H
- Minimum Order Quantity: 1 Set
- Price: USD 120,000 - 220,000 / Set
- Packaging Details: Export-grade wooden case with skid base, waterproof wrapping, container loading
- Delivery Time: 60-90 working days
- Payment Terms: T/T,L/C
- Supply Ability: 6 Sets per Month



Product Specification

- Nitrogen Flow Rate: 100 Nm³/h
- Nitrogen Purity: 99.9995%
- Outlet Pressure: 0.7 MPa
- Dew Point: -60 C
- Technology: Pressure Swing Adsorption (PSA)
- Control System: PLC + Touch Screen HMI
- Power Supply: 380V / 3 Phase / 50Hz
- Skid Type: Standard Skid Mounted
- Application: Laser Cutting, Electronics, Research
- Highlight: **High Purity Nitrogen Gas Generator, 99.9995% Ultra Pure N₂ System, 100Nm³/h On-Site N₂ Supply**

Product Description

High Purity Nitrogen Gas Generator 100Nm³/h (PN-100H)

The **PN-100H High Purity Nitrogen Gas Generator** delivers **100 Nm³/h** of ultra pure nitrogen gas at **99.9995% purity** on site. Based on Pressure Swing Adsorption (PSA) technology with refined carbon molecular sieve filling and precision control, it replaces liquid nitrogen supply with a continuous, cost-effective high purity nitrogen gas source.

Key Features

Ultra High Purity 99.9995%: Optimized PSA cycle and molecular sieve filling deliver stable high purity nitrogen gas output.

High Purity Nitrogen Gas On Site: Eliminates liquid nitrogen delivery cost, storage tanks and quality fluctuation.

Precision PLC Control: Automatic purity monitoring and alarm ensure consistent gas quality around the clock.

Compact Skid Design: Pre-assembled and factory tested for fast installation in clean production areas.

Low Operating Cost: Only compressed air and electricity consumed, cutting nitrogen gas cost by up to 60%.

Technical Parameters

Nitrogen Flow Rate	100 Nm ³ /h
Nitrogen Purity	99.9995%
Outlet Pressure	0.7 MPa
Dew Point	-60 C
Technology	Pressure Swing Adsorption (PSA)
Control System	PLC + Touch Screen HMI
Power Supply	380V / 3 Phase / 50Hz
Skid Type	Standard Skid Mounted
Application	Laser Cutting, Electronics, Research

Applications

Ideal for laser cutting, electronics manufacturing, laboratory research, pharmaceutical packaging and any process requiring stable high purity nitrogen gas on site.

FAQ

Q1: What purity can the high purity nitrogen gas generator achieve?

A: The PN-100H delivers a stable 99.9995% nitrogen gas purity at 100 Nm³/h, with purity monitoring integrated in the PLC control system.

Q2: How does on-site nitrogen gas generation compare with liquid nitrogen?

A: On-site PSA generation eliminates monthly liquid nitrogen deliveries, storage tank rental and boil-off loss, typically reducing total nitrogen gas cost by 40-60%.

Q3: Is the system fully automatic?

A: Yes, the PLC control system manages the complete adsorption cycle automatically, with purity alarms and remote signal output for unattended operation.



Suzhou Gaopu Ultra pure gas technology Co.,Ltd



+8613912609547



luyycn@163.com



nitrogengeneratorsystem.com

No.161 Zhongfeng Street, Suzhou New District, Suzhou, P.R.China