

Containerized PSA Nitrogen Generator 1000 Nm3/h 99.99% Purity in 40ft High-Cube Mobile N2 System

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: GASPU
- Certification: ISO 9001:2015, CE
- Model Number: PN-1000C
- Minimum Order Quantity: 1 Set
- Price: USD 320,000 - 580,000 / Set
- Packaging Details: 40ft high-cube container unit, export seaworthy packing, full container load
- Delivery Time: 90-120 working days
- Payment Terms: T/T,L/C
- Supply Ability: 3 Sets per Month



Product Specification

- Power Supply: 380V / 3 Phase / 50Hz
- Nitrogen Purity: 99.99%
- Outlet Pressure: 0.8 MPa
- Nitrogen Flow Rate: 1000 Nm3/h
- Dew Point: -45 C
- Container Type: 40ft High-Cube Container
- Highlight: **Containerized PSA Nitrogen Generator, 1000Nm3/h Mobile N2 System, PSA Nitrogen Generator 99.99% Purity**

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Product Description

Containerized PSA Nitrogen Generator 1000Nm3/h 99.99% Purity Mobile N2 System PN-1000C

Containerized PSA Nitrogen Generator 1000Nm3/h (PN-1000C)

The **PN-1000C Containerized PSA Nitrogen Generator** is a mobile, skid-in-container nitrogen generation system delivering **1000 Nm3/h** of nitrogen at **99.99% purity**. Housed in a 40ft high-cube container, it combines the air compressor, air treatment package, twin PSA vessels and buffer tank into one relocatable unit for large-scale on-site nitrogen supply.

Key Features

Mobile Containerized System: 40ft high-cube container design allows the complete N2 plant to be transported and relocated with a standard flatbed trailer.

High Purity 99.99%: Twin-vessel PSA technology delivers stable ultra-high purity nitrogen for demanding processes.

Remote Monitoring: PLC control with HMI and remote data access enables centralized supervision of multiple sites.

All-in-One Package: Air compressor, refrigerated dryer, filters, PSA towers and buffer tank pre-mounted and pre-piped.

Low Installation Cost: No permanent foundation or machine room required, cutting civil works cost by up to 60%.

Technical Parameters

Nitrogen Flow Rate	1000 Nm3/h
Nitrogen Purity	99.99%
Outlet Pressure	0.8 MPa
Dew Point	-45 C
Technology	Pressure Swing Adsorption (PSA)
Container Type	40ft High-Cube Container
Control System	PLC + Touch Screen HMI + Remote Monitoring
Power Supply	380V / 3 Phase / 50Hz
Air Compressor	Integrated Screw Type
Installation	Plug-and-Play, Pre-Commissioned

Applications

Petrochemical plants
LNG terminals
Power stations
Metal heat treatment
Laser cutting
Electronics manufacturing

Frequently Asked Questions

Q1: Can the containerized PSA nitrogen generator be relocated after installation?

Yes, the PN-1000C is designed as a mobile container unit. It can be lifted, transported and re-commissioned at a new site, making it ideal for temporary or expanding projects.

Q2: What is the delivery scope of this mobile N2 system?

The system is delivered as a complete container package including the screw air compressor, air treatment, PSA nitrogen generator, buffer tank and control system, factory tested before shipment.

Q3: Does the system support remote operation?

Yes, the PLC control system supports remote monitoring and alarm notification, allowing operators to supervise the nitrogen plant from a central control room or mobile device.



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