

500 Nm³/H Containerized PSA Nitrogen Generator for Food Grade N₂ Production

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ECER
- Certification: ISO 9001:2015, CE
- Model Number: PSA-N2-500C
- Minimum Order Quantity: 1 Set
- Price: USD 80,000-120,000 / Set
- Packaging Details: Standard ISO container delivery, export-grade seaworthy packing
- Delivery Time: 30-45 working days after deposit
- Payment Terms: T/T,L/C,Western Union
- Supply Ability: 10 Sets per Month



Product Specification

- Control System: PLC Automatic Control
- Adsorbent: Carbon Molecular Sieve
- Nitrogen Purity: 99.9% (Food Grade)
- Working Pressure: 0.6-1.0 MPa
- Power Supply: 380V/50Hz
- Nitrogen Flow Rate: 500 Nm³/h
- Highlight: **Containerized N₂ Production Plant,
500 Nm³/H Nitrogen Generator,
Food Packaging Preservation Gas**

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Product Description

Containerized PSA Nitrogen Generator 500 Nm³/H N₂ Production for Food Packaging Preservation

500 Nm³/H Containerized N₂ Production PSA Nitrogen Generator for Food Packaging Preservation

Containerized Design | 500 Nm³/H Capacity | Food Grade Nitrogen | Quick Installation

This PSA-N2-500C is a complete **500 Nm³/H containerized PSA nitrogen generator** engineered for food packaging preservation applications. The entire nitrogen production system - air treatment, PSA adsorption towers, control cabinet and piping - is pre-assembled inside a standard ISO container, delivering **food-grade nitrogen (99.9% (Food Grade))** on site with minimal installation work and footprint.

Key Selling Points

Containerized Design: Fully integrated in an ISO container, pre-piped and pre-wired, plug-and-play on arrival - no civil works or on-site assembly required.

500 Nm³/H High Capacity: Stable continuous nitrogen output up to 500 Nm³/h for large-scale food packaging lines.

Food Packaging Preservation: Food-grade nitrogen displaces oxygen in packaging to extend shelf life and preserve freshness, color and flavor.

Modified Atmosphere Packaging (MAP): Ideal for snack foods, fresh produce, meat, dairy and baked goods MAP applications.

Low Operating Cost: On-site generation eliminates cylinder and liquid nitrogen logistics, reducing nitrogen cost by up to 70%.

PLC Automatic Control: One-touch start, purity auto-monitoring, alarm and remote monitoring interface.

Technical Specifications

Parameter	Value
Model	PSA-N2-500C
Nitrogen Purity	99.9% (Food Grade)
Nitrogen Flow Rate	500 Nm ³ /h
Pressure Dew Point	-45°C
Working Pressure	0.6-1.0 MPa
Unit Type	Containerized Design (ISO Container)
Application	Food Packaging Preservation

Contact us today for a containerized nitrogen generator solution tailored to your food packaging preservation line.



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