

Explosion Proof PSA Nitrogen Generator with 120 Nm³/h Flow and 15 MPa Booster for Chemical Plant

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ECER
- Certification: ISO 9001:2015, CE
- Model Number: PSA-N2-120EX
- Minimum Order Quantity: 1 Set
- Price: USD 80,000-120,000 / Set
- Packaging Details: Export-grade seaworthy packing with shock-proof reinforcement
- 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
- Nitrogen Purity: 99.9%
- Pressure Dew Point: -45°C
- Power Supply: 380V/50Hz
- Nitrogen Flow Rate: 120 Nm³/h
- Booster Discharge Pressure: Up To 15 MPa (150 Bar)
- Highlight: **Chemical Plant Cylinder Filling, Explosion Proof N2 Generator, Booster Equipped High Pressure N2**

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Product Description

Chemical Plant Explosion Proof PSA Nitrogen Generator Booster for N2 Cylinder Filling

Explosion Proof PSA Nitrogen Generator with Booster for Chemical Plant Nitrogen Cylinder Filling

Explosion Proof | With Booster | Chemical Plant | N2 Cylinder Filling

This PSA-N2-120EX is an **explosion proof PSA nitrogen generator equipped with a booster**, purpose-built for **chemical plant nitrogen cylinder filling**. The explosion-proof electrical design allows safe operation in hazardous areas, while the integrated booster compresses nitrogen to high pressure for direct filling of nitrogen cylinders - replacing expensive purchased cylinder nitrogen with on-site production.

Key Features

Explosion Proof Design: Ex-rated electrical components and enclosure for safe operation in hazardous chemical plant areas.

Integrated Booster: Boosts nitrogen pressure up to 15 MPa (150 Bar) for direct cylinder filling.

Chemical Plant Application: On-site N2 generation for cylinder filling, blanketing and purging in chemical processes.

High Purity Output: Stable 99.9% nitrogen, dry and oil-free, suitable for industrial cylinder filling.

Cost Saving: Producing your own cylinder filling nitrogen cuts gas cost versus purchased cylinders.

Reliable & Safe: PLC automatic control with pressure, purity and safety interlock protection.

Technical Specifications

Parameter	Value
Model	PSA-N2-120EX
Nitrogen Purity	99.9%
Nitrogen Flow Rate	120 Nm ³ /h
Booster Discharge Pressure	Up to 15 MPa (150 Bar)
Pressure Dew Point	-45°C
Protection	Explosion Proof Design (Ex)
Application	Chemical Plant N2 Cylinder Filling

Contact us today for an explosion proof PSA nitrogen generator with booster for your cylinder filling plant.



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