

Customized Portable Low Dew Point 99.999% Purity Self-Developed PSA Nitrogen Generator for Laser Welding

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ECER
- Certification: ISO 9001:2015, CE
- Model Number: PSA-N2-10LW
- Minimum Order Quantity: 1 Set
- Price: USD 12,000-18,000 / Set
- Packaging Details: Export-grade plywood case with moisture-proof film and shock-proof padding
- Delivery Time: 15-30 working days after deposit
- Payment Terms: T/T, L/C, Western Union
- Supply Ability: 50 Sets per Month



Product Specification

- Model: PSA-N2-10LW
- Nitrogen Purity: 99.999% (5N)
- Nitrogen Flow Rate: 10 Nm³/h
- Pressure Dew Point: -60°C
- Working Pressure: 0.6-1.0 MPa
- Unit Type: Portable Skid-Mounted
- Application: Laser Welding Machines
- Control System: PLC Automatic Control
- Power Supply: 220V/50Hz Or 380V/50Hz
- Noise Level: ≤65 DB(A)
- Adsorbent: Carbon Molecular Sieve
- Highlight: **Portable On-Site Nitrogen Generation ,
99.999% High Purity Output,
Customized for Laser Welding Machines**

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Product Description

Brand New Self-Developed Customized High-Purity Portable N2 Nitrogen Generator

99.999% Purity | Low Dew Point | Designed Specifically for Laser Welding Machines

This PSA-N2-10LW is a **brand new, self-developed and customized** PSA nitrogen generator engineered specifically for laser welding applications. It delivers **99.999% (5N) high-purity nitrogen** with an ultra-low pressure dew point, ensuring stable shielding gas quality for flawless laser welding seams and preventing oxidation of weld joints.

Key Selling Points

Self-Developed Customized Design: Independently developed PSA technology with customizable flow rate, purity and dew point parameters tailored to your laser welding process.

99.999% High Purity Output: Dual-stage carbon molecular sieve adsorption guarantees consistent 5N grade nitrogen purity.

Ultra-Low Dew Point: Pressure dew point as low as -60°C, delivering dry, oil-free shielding gas that protects laser optics and weld quality.

Portable & Compact: Skid-mounted, plug-and-play unit with small footprint, easy to move between workstations.

Designed for Laser Welding Machines: Flow rate 10 Nm³/h and pressure range optimized for laser welding shielding gas consumption.

PLC Automatic Control: One-touch start, automatic purity monitoring and alarm system for unattended operation.

Technical Specifications

Parameter	Value
Model	PSA-N2-10LW
Nitrogen Purity	99.999% (5N)
Nitrogen Flow Rate	10 Nm ³ /h
Pressure Dew Point	-60°C
Working Pressure	0.6-1.0 MPa
Application	Laser Welding Machines

Contact us today for a customized quotation based on your laser welding nitrogen demand.



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