

Nitrogen Generator for Laser Cutting

This nitrogen generator is designed for laser cutting applications and the electronic and food and beverage industries. It uses pressure swing adsorption (PSA) technology with carbon molecular sieves to produce nitrogen gas with purity from 95% to 99.9995%.

Overview

High-Efficiency Nitrogen Generation

This advanced nitrogen generator utilizes Pressure Swing Adsorption (PSA) technology with carbon molecular sieves to deliver high-purity nitrogen gas. Designed for demanding industrial environments such as laser cutting, electronics, and food processing, it ensures reliable performance and consistent gas quality. The system features an automated PLC-controlled valve cycle for efficient oxygen and nitrogen separation, providing a versatile solution for varied production requirements.

Performance Metrics

Key Performance Indicators

5000 Nm³/h

Max Production Flow

0.8 Mpa

Max Working Pressure

-45

Dew Point

Technical Specifications

| | |
|-----------------------|----------------|
| Nitrogen Purity Range | 95% - 99.9995% |
| Voltage | 220V/50HZ |
| Core Components | PLC |

Quality & Standards

Certifications

ISO9001 • CE

Inspection Support

- Machinery Test Report Provided
- Video Outgoing Inspection Provided

Core Component Warranty

One Year

Model Selection Table

Model Specifications

| Model | Purity | Flow (Nm ³ /h) |
|-----------|----------|---------------------------|
| WE-N2 97 | 97% | 5-3000 |
| WE-N2 98 | 98% | 4-2500 |
| WE-N2 99 | 99% | 3-2100 |
| WE-N2 295 | 99.5% | 2-1800 |
| WE-N2 39 | 99.9% | 1.5-1300 |
| WE-N2 49 | 99.99% | 1-800 |
| WE-N2 495 | 99.995% | 1-750 |
| WE-N2 59 | 99.999% | 0.5-500 |
| WE-N2 595 | 99.9995% | 0.5-400 |