

# 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 <sup>3</sup> /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                   |