

Durable Stainless Steel 304 PSA Nitrogen Generator 50 Nm³/H for Sterile Pharmaceutical

Our Product Introduction

Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: CE, ISO 9001:2015, GMP Support
- Model Number: FS-N2-50PH
- Minimum Order Quantity: 1 Set
- Price: USD 18,000-58,000 / Set
- Packaging Details: Export wooden case with PE film protection, sea-worthy packing
- Delivery Time: 40-50 working days
- Payment Terms: T/T, L/C
- Supply Ability: 8 Sets per Month



Product Specification

- Nitrogen Purity: 99.999% (O₂ ≤ 5 Ppm)
- Capacity: 50 Nm³/H
- Pressure Dew Point: ≤ -60 Deg C
- Air Source Pressure: 0.75 - 1.0 MPa
- Nitrogen Outlet Pressure: 0.1 - 0.6 MPa
- Voltage: 220V/380V/440V 50/60Hz
- Wetted Material: Stainless Steel 304
- Surface Finish: Electropolished / Sanitary
- Control System: PLC + Touch Screen HMI
- Warranty: 1 Year
- HS CODE: 8419609090
- Highlight: **SS304 Pharmaceutical N₂ Generator, 99.999% Sterile Nitrogen Supply, 50 Nm³/H GMP Nitrogen System**

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Product Description

Durable Stainless Steel 304 PSA Nitrogen Generator for Sterile Pharmaceutical

The **Durable Stainless Steel 304 PSA Nitrogen Generator** is purpose-built for sterile pharmaceutical production. With **50 Nm³/H** capacity and **99.999%** ultra-pure nitrogen, this generator features a full SS304 wetted path, hygienic design and validation-ready documentation for GMP-compliant facilities.

Product Attributes

Attribute	Value
Brand Name	Fly Speed
Model Number	FS-N2-50PH
Capacity	50 Nm ³ /H
Nitrogen Purity	99.999% (O ₂ ≤ 5 ppm)
Material	Stainless Steel 304
HS CODE	8419609090

Core Features & Advantages

SS304 Durable Construction: Full stainless steel 304 wetted parts resist corrosion and meet pharmaceutical hygiene standards.

Ultra-Pure 99.999%: Residual oxygen ≤ 5 ppm protects sensitive pharmaceutical products from oxidation.

Sterile Process Design: Electropolished surfaces, sanitary connections and zero dead-leg piping.

GMP Documentation: IQ/OQ support documents, material certificates and validation assistance available.

Stable Inert Gas Supply: Continuous nitrogen for sterile filling, blanketing and product protection.

Cleanroom Compatible: Low particulate design suitable for controlled pharmaceutical environments.

Technical Specifications

Parameter	Value
Nitrogen Capacity	50 Nm ³ /H
Nitrogen Purity	99.999% (O ₂ ≤ 5 ppm)
Pressure Dew Point	≤ -60°C
Air Source Pressure	0.75 - 1.0 MPa
Nitrogen Outlet Pressure	0.1 - 0.6 MPa (adjustable)
Voltage	220V / 380V / 440V, 50/60Hz
Wetted Material	Stainless Steel 304
Control System	PLC + Touch Screen HMI
Surface Finish	Electropolished / Sanitary

Applications

Used in sterile pharmaceutical manufacturing, API production, vaccine facilities, biopharma laboratories and cleanroom operations requiring ultra-pure inert gas.

FAQ

Q: Is the generator suitable for GMP facilities?

A: Yes. SS304 construction, sanitary design and validation documentation support GMP compliance.

Q: What purity is guaranteed?

A: 99.999% with oxygen content below 5 ppm, suitable for the most sensitive pharmaceutical applications.

Contact us today! Fly Speed supplies durable SS304 PSA nitrogen generators for sterile pharmaceutical production.



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