

## Industrial PSA Nitrogen Generator 200 Nm<sup>3</sup>/H with 99.99% Purity for Rubber Industry

### Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: FLY SPEED
- Certification: CE, ISO 9001:2015
- Model Number: FS-N2-200RUB
- Minimum Order Quantity: 1 Set
- Price: USD 22,000-68,000 / 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

- Capacity: 200 Nm<sup>3</sup>/H
- Nitrogen Purity: 95% - 99.99%
- Pressure Dew Point: ≤ -45 Deg C
- Air Source Pressure: 0.75 - 1.0 MPa
- Nitrogen Outlet Pressure: 0.1 - 0.8 MPa
- Voltage: 220V/380V/440V 50/60Hz
- Highlight: **Rubber Industry N<sub>2</sub> Gas Plant, Vulcanization Blanketing Nitrogen, 200 Nm<sup>3</sup>/H PSA Concentrator**



Product Description

Industrial Nitrogen Concentrator PSA Nitrogen Generator N2 Gas Plant 200 Nm3/H for Rubber Industry

The **Industrial Nitrogen Concentrator PSA Nitrogen Generator N2 Gas Plant** delivers a reliable nitrogen supply for rubber and tire manufacturing. Producing **200 Nm3/H** at **99.99%** purity, this PSA plant supports rubber curing, vulcanization blanketing and tire production processes with consistent, high-quality nitrogen.

Product Attributes

| Attribute       | Value                       |
|-----------------|-----------------------------|
| Brand Name      | Fly Speed                   |
| Model Number    | FS-N2-200RUB                |
| Capacity        | 200 Nm3/H                   |
| Nitrogen Purity | 95% - 99.99% (Adjustable)   |
| Industry        | Rubber & Tire Manufacturing |
| HS CODE         | 8419609090                  |

Core Features & Advantages

- Rubber Industry Optimized:** Supports rubber curing, vulcanization blanketing, tire inner tube inflation and anti-oxidation processes.
- High Purity & Dryness:** Stable 99.99% nitrogen with dew point ≤ -45°C prevents rubber oxidation and surface defects.
- Consistent Supply:** Twin-tower PSA cycling delivers uninterrupted N2 for continuous production lines.
- Energy Efficient:** Optimized adsorption cycles reduce compressed air and power consumption.
- Easy Integration:** Compact skid design connects easily to existing curing presses and blanketing systems.
- Reliable Automation:** PLC control with purity monitoring and alarms ensures stable process gas quality.

Technical Specifications

| Parameter                | Value                        |
|--------------------------|------------------------------|
| Nitrogen Capacity        | 200 Nm3/H                    |
| Nitrogen Purity          | 95% - 99.99% (adjustable)    |
| Pressure Dew Point       | ≤ -45°C                      |
| Air Source Pressure      | 0.75 - 1.0 MPa               |
| Nitrogen Outlet Pressure | 0.1 - 0.8 MPa (adjustable)   |
| Voltage                  | 220V / 380V / 440V, 50/60Hz  |
| Adsorbent                | Carbon Molecular Sieve (CMS) |
| Control System           | PLC + Touch Screen HMI       |
| Optional Booster         | Up to 15 MPa                 |

Applications

Applied in tire factories, rubber processing plants, conveyor belt manufacturing, rubber hose production and synthetic rubber facilities for curing, blanketing and anti-oxidation nitrogen supply.

Frequently Asked Questions

- Q: Why does rubber curing need nitrogen?**  
A: Nitrogen blanketing during curing prevents oxidation and surface defects, improving product quality and consistency.
- Q: Can the plant supply multiple curing lines?**

A: Yes. At 200 Nm<sup>3</sup>/H, it can feed several curing presses or a plant-wide nitrogen distribution system.

**Request a quote now! Fly Speed supplies industrial nitrogen concentrator PSA plants for the rubber industry with fast delivery and full support.**



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