

Nitrogen Capacity 20 Nm3 Hour skid nitrogen generator offering nitrogen purity 95 to 99999 percent optimized for energy operation

Our Product Introduction

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Basic Information

- Brand Name: GASPU
- Certification: ISO90001
- Model Number: NG800
- Minimum Order Quantity: 1
- Price: \$100000
- Packaging Details: In Carton
- Delivery Time: The Complete Set Of Equipment Will Be Provided Within 45 Days After Receiving The Advance Payment.
- Payment Terms: 40% Of The Contract Amount Is Prepaid; 60% Of The Contract Amount Is Paid After The Goods Are Inspected And Approved Before Shipment



Product Specification

- Nitrogen Purity: 95-99.999%
- Port: Shanghai
- Nitrogen Capacity: 20 Nm3 / Hour
- Adsorbenttype: Carbon Molecular Sieve (CMS)
- Characteristics: Portable Movable
- Power Feature: Low Consumption
- Origin: China
- Life Span: 8-10 Years
- Highlight: **PSA nitrogen generator 20 Nm3/hour , skid nitrogen generator 95-99.999% purity, energy optimized PSA nitrogen generator**



Product Description:

The PSA Nitrogen Generator is a highly efficient and reliable solution designed to meet various industrial nitrogen requirements. Originating from China, this advanced skid nitrogen generator offers a nitrogen capacity of 20 Nm3 per hour, making it suitable for medium-scale operations. With a capacity range that spans from 5 to 5000 Nm3/h, this product provides remarkable flexibility, accommodating different production demands and ensuring a continuous supply of high-quality nitrogen gas.

One of the standout features of this skid nitrogen generator is its ability to deliver nitrogen purity levels ranging from 95% to an impressive 99.999%. This high purity ensures that the nitrogen gas produced is suitable for a wide array of applications, including food packaging, electronics manufacturing, chemical processing, pharmaceuticals, and metal fabrication. The purity control is essential for industries that require an inert atmosphere to prevent oxidation, corrosion, or contamination during their processes.

The PSA Nitrogen Generator utilizes Pressure Swing Adsorption (PSA) technology, which is known for its energy efficiency and cost-effectiveness. This technology separates nitrogen from compressed air by adsorbing oxygen and other impurities onto a specially designed adsorbent material within stainless steel towers. The use of stainless steel towers not only enhances the durability of the generator but also ensures corrosion resistance, prolonging the lifespan of the equipment and maintaining consistent performance over time.

Designed as a skid-mounted system, this nitrogen generator offers easy installation and mobility. The skid nitrogen generator setup integrates all necessary components, including compressors, filters, dryers, and control systems, into a compact and pre-assembled unit. This design significantly reduces installation time and costs, making it an ideal choice for industries looking to quickly establish an on-site nitrogen generation capability without extensive infrastructure modifications.

Another crucial advantage of the skid nitrogen generator is its user-friendly operation and minimal maintenance requirements. The system is equipped with automated controls that monitor operational parameters, ensuring stable nitrogen output and purity. This automation helps reduce the need for manual intervention, allowing plant operators to focus on other critical tasks while maintaining a steady supply of nitrogen gas.

From an environmental and economic perspective, the PSA Nitrogen Generator provides a sustainable alternative to traditional nitrogen supply methods such as cylinder or liquid nitrogen deliveries. Producing nitrogen on-site reduces transportation costs, eliminates dependency on external suppliers, and lowers the carbon footprint associated with nitrogen logistics. Companies adopting this skid nitrogen generator benefit from both operational savings and enhanced environmental compliance.

In summary, the PSA Nitrogen Generator from China is a versatile and robust solution suitable for various industrial applications requiring nitrogen gas. Its nitrogen capacity of 20 Nm3 per hour, adjustable capacity range from 5 to 5000 Nm3/h, and impressive nitrogen purity levels from 95% to 99.999% make it a highly adaptable and efficient tool. Constructed with stainless steel towers and designed as a skid nitrogen generator, this product combines durability, ease of installation, and operational efficiency. Whether your industry demands consistent high-purity nitrogen or requires a scalable solution to meet varying production volumes, this skid nitrogen generator stands out as a dependable and cost-effective choice.

Technical Parameters:

Usage	Industrial Nitrogen
Capacity	5-5000 Nm3/h
Nitrogen Capacity	20 Nm3 / Hour
Adsorbent Type	Carbon Molecular Sieve (CMS)
Color	White
Power Feature	Low Consumption
Nitrogen Purity	95-99.999%
Characteristics	Portable Movable
Noise	Below 70db (A)

Applications:

The GASPU NG800 PSA Nitrogen Generator is an advanced skid nitrogen generator designed to meet various industrial nitrogen supply needs with high efficiency and reliability. Manufactured in Suzhou and certified under ISO90001, this portable and movable skid nitrogen generator utilizes Carbon Molecular Sieve (CMS) adsorbent technology to ensure a consistent nitrogen purity output. With a capacity of 100 Nm3/h and an inlet diameter of DN25, the NG800 is an ideal solution for businesses requiring a steady and high-quality nitrogen source.

This skid nitrogen generator is widely applicable across multiple industries and scenarios. In the food and beverage sector, it is used to create an inert atmosphere for packaging, preserving freshness, and extending shelf life. Its portability allows easy relocation within production facilities, supporting flexible operations. In the electronics and semiconductor manufacturing industries, the NG800 provides a contaminant-free nitrogen environment essential for sensitive processes, enhancing product quality and yield.

The pharmaceutical and chemical industries benefit significantly from this skid nitrogen generator, as it delivers a reliable nitrogen supply critical for inerting, blanketing, and purging applications. The low noise level, below 70db(A), ensures minimal disruption in laboratory and production environments. Furthermore, the NG800's compact skid design simplifies installation and maintenance, making it suitable for both large-scale plants and smaller workshops.

In metal fabrication and welding, the GASPU NG800 skid nitrogen generator offers a cost-effective alternative to bottled nitrogen, reducing dependency on external suppliers and enhancing operational efficiency. Its packaging in cartons ensures safe delivery, and the entire set of equipment is provided within 45 days after receiving advance payment. The payment terms are flexible, requiring 40% prepaid and the remaining 60% after inspection and approval before shipment, making procurement straightforward.

Overall, the GASPU NG800 skid nitrogen generator is a versatile and dependable solution for diverse applications requiring on-demand

nitrogen generation. Its combination of portability, high capacity, certified quality, and user-friendly features makes it an indispensable asset in any industrial setting demanding a consistent and economical nitrogen supply.

Packing and Shipping:

Product Packaging:

The PSA Nitrogen Generator is securely packaged using high-quality, durable materials to ensure safe delivery. Each unit is carefully wrapped in protective foam and placed inside a sturdy corrugated cardboard box to prevent damage during transit. The packaging includes clear labeling with handling instructions and product information to facilitate smooth logistics and handling.

Shipping:

Our PSA Nitrogen Generator is shipped worldwide via reliable freight carriers. We offer multiple shipping options, including standard and expedited services, to meet your delivery needs. Each shipment is tracked from dispatch to arrival, ensuring timely and secure delivery. Proper documentation, including customs paperwork for international shipments, is provided to guarantee hassle-free import and export processes.



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