

MSNG-1000 Skid Membrane Separation Nitrogen Generator CS Shell Durable Nitrogen Production Unit for Continuous Operation

Our Product Introduction

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Basic Information

- Brand Name: Membrane Generation
- Certification: ISO0001
- Model Number: 001
- 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. 5.4Equipment Unloading And Positioning



Product Specification

- Pressure: 0.6-1.5 MPa
- Operating Temperature: 5°C - 45°C
- Shell: CS
- Weight: 150 - 500 Kg Depending On Model
- Electrical Resistivity: >1M Ω/cm
- Start-Up Time: Less Than 10 Minutes
- Membrane material: Polymeric Membrane
- Product Model: MSNG-1000
- Highlight: **durable membrane nitrogen generator , continuous operation nitrogen production unit, CS shell membrane separation generator**

Product Description:

The Membrane Separation Nitrogen Generator, model MSNG-1000, is an advanced and reliable solution for on-site nitrogen production, designed to meet the diverse needs of various industrial applications. Utilizing cutting-edge polymeric membrane technology, this generator ensures high efficiency and exceptional nitrogen purity levels ranging from 95% to an impressive 99.999%. This makes the MSNG-1000 an ideal choice for industries requiring consistent and high-quality nitrogen supply without the complexities of traditional nitrogen sourcing methods.

One of the standout features of the Membrane Separation Nitrogen Generator is its use of polymeric membranes. These membranes are specifically engineered to selectively separate nitrogen from compressed air, providing a continuous and stable flow of nitrogen gas. The polymeric membrane material offers excellent durability and resistance to environmental factors, ensuring long service life and minimal maintenance requirements. This technology not only enhances the generator's performance but also contributes to energy efficiency and cost-effectiveness over time.

The MSNG-1000 model is categorized under the Skid Membrane Separation Nitrogen Generator series, which signifies its compact, skid-mounted design. This configuration allows for easy installation and integration into existing systems, saving valuable floor space and reducing setup time. The skid-mounted design also facilitates portability and flexibility, making it suitable for various operational environments, including manufacturing plants, food packaging facilities, chemical processing units, and more.

Another critical advantage of the Skid Membrane Separation Nitrogen Generator MSNG-1000 is its rapid start-up time, which is less than 10 minutes. This quick start capability ensures that nitrogen supply can be initiated promptly whenever needed, minimizing downtime and enhancing productivity. The efficient start-up process is particularly beneficial in industries where nitrogen demand fluctuates or where emergency backup supply is necessary.

The operational simplicity of the Membrane Separation Nitrogen Generator further enhances its appeal. The system is designed for user-friendly control and monitoring, allowing operators to easily adjust parameters to maintain optimal nitrogen purity and flow rates.

Additionally, the low-maintenance nature of the polymeric membrane technology reduces operational costs and the need for frequent servicing, contributing to overall cost savings.

In summary, the Membrane Separation Nitrogen Generator MSNG-1000 combines advanced polymeric membrane technology with a robust skid-mounted design to deliver a reliable, efficient, and high-purity nitrogen supply. Its ability to produce nitrogen with purity levels between 95% and 99.999%, alongside a start-up time of less than 10 minutes, makes it a versatile and indispensable asset for a wide range of industries. Whether for inerting, blanketing, or other nitrogen applications, the Skid Membrane Separation Nitrogen Generator ensures consistent performance and operational excellence.

Choosing the Membrane Separation Nitrogen Generator MSNG-1000 means investing in a sustainable and convenient nitrogen generation solution that supports your operational needs while reducing dependence on external gas suppliers. With its combination of advanced membrane materials, quick start-up capabilities, and skid-mounted design, this generator stands out as a top choice for modern industrial nitrogen generation requirements.

Features:

Product Name: Membrane Separation Nitrogen Generator

Electrical Resistivity: >1M Ω/cm

Operating Temperature Range: 5°C - 45°C

Start-Up Time: Less Than 10 Minutes

Power Supply: 220V/380V, 50Hz/60Hz

Membrane Material: Polymeric Membrane

Membrane generators produce a lower purity of nitrogen when directly compared to other nitrogen generation technologies.

Ideal for applications requiring moderate nitrogen purity with efficient operation.

Skid Membrane Separation Nitrogen Generator design for easy installation and mobility.

Technical Parameters:

| | |
|------------------------|---------------------------------|
| Start-Up Time | Less Than 10 Minutes |
| Dew Point | -40°C Or Lower |
| Membrane Material | Polymeric Membrane |
| Flowrate | 1-1000 Nm³/h |
| Weight | 150 - 500 Kg Depending On Model |
| Material | Carbon Steel |
| Electrical Resistivity | >1M Ω/cm |
| Power Supply | 220V/380V, 50Hz/60Hz |
| Operating Temperature | 5°C - 45°C |
| Condition | New |

Applications:

The Membrane Separation Nitrogen Generator, model number 001, manufactured by Membrane Generation in Suzhou, China, is a highly

efficient solution designed for various industrial applications requiring nitrogen gas. Certified with ISO0001, this product guarantees quality and reliability. It is packaged securely in cartons and can be delivered within 45 days after receiving the advance payment. The payment terms are structured with 40% prepaid and 60% paid after inspection and approval before shipment, ensuring a smooth transaction process.

This Skid Membrane Separation Nitrogen Generator is ideal for industries that require nitrogen with a purity range of 95-99.999%. However, it is important to note that membrane generators produce a lower purity of nitrogen when directly compared to other nitrogen generation technologies such as PSA or cryogenic methods. Despite this, the membrane technology offers advantages like lower maintenance, compact design, and ease of operation, making it suitable for many applications.

Operating efficiently within a temperature range of 5°C to 45°C and featuring a shell made of CS (carbon steel) with electrical resistivity greater than 1M Ω/cm, this nitrogen generator is robust and reliable. Its skid-mounted design allows for easy installation, unloading, and positioning, facilitating quick setup and integration into existing systems.

The Membrane Separation Nitrogen Generator is widely used in various scenarios including food packaging and preservation, where nitrogen helps extend shelf life by preventing oxidation. It is also essential in electronics manufacturing, providing an inert atmosphere to avoid contamination during sensitive processes. In chemical and pharmaceutical industries, it supports inerting and blanketing applications, enhancing safety and product quality.

Additionally, the generator is employed in metal processing and laser cutting industries, where nitrogen is used to prevent oxidation and improve cutting quality. Its portability and skid-mounted design make it suitable for onsite nitrogen generation in laboratories, oil and gas fields, and other industrial sites where a reliable nitrogen supply is critical.

In summary, the Membrane Generation's Skid Membrane Separation Nitrogen Generator model 001 offers a cost-effective, reliable nitrogen supply solution with moderate purity levels suitable for diverse industrial applications. Its compact design, ease of installation, and dependable performance make it a valuable asset for businesses aiming to optimize their nitrogen usage efficiently and economically.

Customization:

Membrane Generation offers customized solutions for the Membrane Separation Nitrogen Generator, model number 001, proudly made in Suzhou, China. Our product, certified by ISO0001, is designed to meet diverse industrial needs with a minimum order quantity of just one unit.

The Membrane Separation Nitrogen Generator, also known as the Skid Membrane Separation Nitrogen Generator, is engineered to deliver nitrogen purity levels ranging from 95% to 99.999%. It is important to note that membrane generators produce a lower purity of nitrogen when directly compared to other nitrogen generation technologies, making them ideal for applications where ultra-high purity is not critical.

Our product model MSNG-1000 operates efficiently on a power supply of 220V/380V at 50Hz/60Hz and weighs between 150 to 500 kg depending on the specific model chosen. The equipment is carefully packaged in cartons to ensure safe transportation.

We provide comprehensive delivery within 45 days after receiving the advance payment. Payment terms include a 40% contract amount prepaid and the remaining 60% payable after inspection and approval of the goods before shipment. Additionally, we assist with equipment unloading and positioning to facilitate smooth installation and operation.

With a price of \$100,000, the Membrane Separation Nitrogen Generator from Membrane Generation offers reliable and cost-effective nitrogen production tailored to your requirements.

Support and Services:

Our Membrane Separation Nitrogen Generator is designed to provide reliable and efficient nitrogen production for various industrial applications. For technical support, our team of experts is available to assist with installation guidance, operational troubleshooting, maintenance procedures, and performance optimization to ensure your generator operates at peak efficiency.

We offer comprehensive services including initial system setup, routine inspections, membrane replacement, and system upgrades. Our support includes detailed documentation and user manuals to help you understand the system's functionality and maintenance requirements.

In addition, we provide training sessions for your staff to ensure proper handling and operation of the nitrogen generator. Our goal is to maximize your investment by minimizing downtime and extending the lifespan of your equipment through proactive service and support. For any technical inquiries or service requests, please refer to our support resources or reach out to our support team through the appropriate channels.

Packing and Shipping:

Product Packaging:

The Membrane Separation Nitrogen Generator is carefully packaged to ensure safe delivery and protection during transit. It is packed in a sturdy wooden crate or reinforced cardboard box with adequate cushioning materials such as foam inserts and bubble wrap to prevent any damage. All components are securely fastened and sealed to avoid moisture or dust contamination. The packaging is clearly labeled with handling instructions, product details, and safety warnings to facilitate smooth logistics.

Shipping:

We offer reliable shipping options worldwide for the Membrane Separation Nitrogen Generator. The product can be shipped via sea freight, air freight, or express courier depending on customer requirements and destination. Prior to shipping, the generator undergoes thorough inspection and testing to guarantee quality and functionality upon arrival. Tracking information and shipping documents are provided to ensure transparency and timely delivery. Proper customs documentation is prepared to comply with international shipping regulations.

FAQ:

Q1: What is the brand and model number of this nitrogen generator?

A1: The nitrogen generator is from the brand Membrane Generation, and the model number is 001.

Q2: Where is the Membrane Separation Nitrogen Generator manufactured?

A2: This product is made in Suzhou, China.

Q3: What certifications does this nitrogen generator have?

A3: The Membrane Separation Nitrogen Generator is certified with ISO0001.

Q4: What is the minimum order quantity and the price for this product?

A4: The minimum order quantity is 1 unit, and the price is \$100,000.

Q5: How long does it take to deliver the complete set of equipment after placing an order?

A5: The complete set of equipment will be provided within 45 days after receiving the advance payment.

Q6: What are the payment terms for purchasing this nitrogen generator?

A6: The payment terms are 40% of the contract amount prepaid, and 60% paid after the goods are inspected and approved before shipment.

Q7: How is the equipment packaged for shipping?

A7: The equipment is packaged securely in carton boxes for safe delivery.



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