

Stainless Steel Membrane Separation Nitrogen Generator with 10-15 Years Membrane Life and Fully Automatic Operation

Our Product Introduction

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Basic Information

- Brand Name: Membrane Generation
- Model Number: 001



Product Specification

- Productname: Membrane Separation Nitrogen Generator
- Membranematerial: Polymeric Membrane
- Powersupply: 220V/380V, 50Hz/60Hz
- Operation Mode: Fully Automatic
- Membrane Life: 10-15 Years
- Applicationareas: Electronics, Food Packaging, Chemical Industry, Metallurgy
- Membrane Module: Hollow Fiber
- Usage: Nitrogen
- Highlight: **Stainless Steel Nitrogen Generator, 10-15 Years Membrane Life Nitrogen Generator, Fully Automatic Membrane Nitrogen Generator**



Stainless Steel Skid Membrane Separation Nitrogen Generator

Advanced on-site nitrogen generation system providing reliable nitrogen supply for various industrial processes with optimal performance and energy efficiency.

Product Overview

The Membrane Separation Nitrogen Generator is an advanced and efficient solution designed specifically for on-site nitrogen generation. Utilizing cutting-edge membrane technology, this generator provides a reliable and continuous supply of nitrogen gas for various industrial and commercial applications.

Core Technology

The system utilizes polymeric membrane material that separates nitrogen from compressed air, ensuring steady output of nitrogen gas with optimal performance. The carbon molecular sieve combined with robust stainless steel components enhances structural integrity and ensures long-lasting operation.

Key Advantages

- Extended membrane life of 10-15 years
- Fully automatic operation with minimal manual intervention
- Energy efficient with low maintenance requirements
- Stainless steel construction for corrosion resistance
- Skid-mounted configuration for easy installation and mobility

Technical Specifications

| | |
|------------------|----------------------------------|
| Model Number | 001 |
| Technology | Hollow Fiber Membrane Separation |
| Working Pressure | 0.6-1.5 MPa |
| Noise Level | Below 65 dB |
| Membrane Life | 10-15 years |
| Operation | Fully Automatic |

Industrial Applications

This nitrogen generator serves multiple industries with reliable on-site nitrogen supply:

Electronics Manufacturing

Provides stable, pure nitrogen for creating inert atmospheres during sensitive manufacturing processes, preventing oxidation and improving product quality.

Food Packaging

Extends shelf life of perishable products by replacing oxygen with nitrogen inside packaging, maintaining freshness and preventing spoilage.

Chemical Industry

Ensures continuous on-demand nitrogen for inerting reactors, blanketing chemicals, and preventing unwanted reactions.

Metallurgy

Essential for creating protective atmospheres during heat treatment and metal processing, enhancing product quality and process stability.

Customization Options

Membrane Generation offers customized on-site nitrogen solutions with the Membrane Separation Nitrogen Generator Model 001. The system operates quietly below 65 dB and provides reliable, cost-effective nitrogen supply suitable for various industrial applications.

Support & Services

Technical Support

Expert assistance available for installation guidance, troubleshooting, and maintenance advice. Includes detailed user manuals, operational guidelines, and remote diagnostics.

Maintenance Services

Scheduled maintenance services including filter replacement, membrane integrity checks, and system calibration to ensure optimal performance and longevity.

Training & Consultation

Comprehensive training sessions for operational staff covering system operation, safety procedures, and routine maintenance tasks. Consultation services available for optimizing nitrogen production.

Spare Parts & Upgrades

Supply of genuine spare parts and membranes. System upgrades and enhancements available to improve performance and energy efficiency.

Manufacturing Origin: Suzhou, China
Operation: Fully Automatic
Membrane Life: 10-15 Years
Configuration: Skid-mounted options available



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