

CE Certificated N2 Membrane Nitrogen Generator For Separating Oxygen

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: NG
- Minimum Order Quantity: 1set
- Price: Negotiate
- Packaging Details: Plywood or other type
- Delivery Time: 70work days
- Payment Terms: T/T
- Supply Ability: 6set/month



Product Specification

- Name: Membrane Nitrogen Generator
- Condition: New
- Warranty: One Year
- Production Rate: Customized
- Capacity: 5-3000Nm3/h
- Type: Membrane Nitrogen Generator
- Shell: CS
- Pipeline: Stainless Steel
- Highlight: n2 membrane Generator,
CE Certificated n2 membrane,
CE Certificated Membrane Nitrogen Generator



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Product Description

CE certificated Membrane nitrogen generator General use Quick start

All parts on nitrogen generator skid is approved by TPI and CE certification is approved by GTS(A third party authorization agency).

Working principle

Generally all gases can permeate through the polymer membrane. The process is that gas molecules are first adsorbed and dissolved on the surface of the high-pressure side of the membrane, then diffuse in the membrane with the help of a concentration gradient, and finally resolved from the low-pressure side of the membrane. The result is Small molecules and highly polar molecules (such as water vapor, oxygen, carbon dioxide, etc.) pass faster and are enriched on the permeate side of the membrane; while large molecules and relatively weak molecules (such as nitrogen, argon, etc.) Has a slower passing speed, and is retained on the retention side of the membrane to be enriched to achieve the purpose of separation of the mixed gas. Membrane separation uses the difference in the permeation rate of various gases on the polymer membrane to carry out gas separation. The driving force of separation is the partial pressure difference of the gas on both sides of the membrane, so membrane gas separation has no phase change and does not require Regeneration, it has the advantages of simple equipment, low operation and maintenance costs.

Equipment build: The membrane separation nitrogen generator mainly consists of an air compressor, a cold drying machine, a filter, a membrane separator, a nitrogen buffer tank, etc. The air compressor provides compressed air, while the refrigerated dryer and filter dry and purify the compressed air. The membrane separator is the core component responsible for separating nitrogen and oxygen, and the nitrogen buffer tank is used to store the separated nitrogen.

CERTIFICATE No. CMJS23082550089		GTS	
EC- ATTESTATION CERTIFICATE OF MD & LVD & EMC			
Client	: Suzhou GASPU Gas Tech Co., Ltd		
(Name & Address)	: No.161 Zhongfeng Street SND Suzhou Jiangsu PRC		
Manufacturer	: Suzhou GASPU Gas Tech Co., Ltd		
(Name & Address)	: No.161 Zhongfeng Street SND Suzhou Jiangsu PRC		
Description of Product (s)	: Nitrogen Generator		
Model(s)	: NGXN-Y		
Assessment Performed	: Conformity to Annex I's Applicable Paragraphs of Machinery Directive 2006/42/EC and Low Voltage Directive 2014/35/EU and Electromagnetic Compatibility 2014/30/EU		
Standard(s) Referenced	: EN ISO 12100:2010, EN 60204-1:2018, EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019, EN IEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021		
Conditions Subject to Issue	: Acceptance of information detailed in technical file MD-TCF-230825-50089, TEJS23082550090 referenced against job file ISO512-8998		
Declaration	: In the opinion of GTS the submitted technical file MD-TCF-230825-50089, TEJS23082550090 satisfies the requirements of the Machinery Directive 2006/42/EC Annex-VII & Low Voltage Directive 2014/35/EU & Electromagnetic Compatibility 2014/30/EU		
Assessor ID No.	: TR-IND-S20		
Date/Place of Assessment	: August 28,2023		
Date/Place of Issue	: August 31,2023		
Date/Place of Expiry	: August 30,2028		
<p>Test reports in technical file MD-TCF-230825-50089, TEJS23082550090 and referenced against job file ISO512-8998 are reviewed and found to be acceptable. The CE mark as shown below can be used, under the responsibility of the manufacturer, after of an EU Declaration of Conformity and compliance with all relevant EU Directives.</p> <p style="text-align: center;">CE</p> <p>This EC-Attestation Certificate is only valid for the equipment and configuration described in conjunction with the data detailed above. It refers only to the sample submitted to Global Testing Services Co., Ltd. for testing and certification. Any modifications made to the product shall immediately be reported to Global Testing Services Co., Ltd. office in order to examine whether this certificate remains valid. This certificate shall not be reproduced except in full without the written approval of Global Testing Services Co., Ltd.</p>			
Approved by: Hermann Weiher		For and on behalf of	
		Shanghai Global Testing Services Co., Ltd.	
Shanghai Global Testing Services Co., Ltd. E-mail: info@gts-lab.com http://www.gts-lab.com Floor 2nd, Building D-1, No. 128, Shenfu Road, Minhang District, Shanghai, China.			

Datasheet of N2 generators

No.	Item	Specification
1	Product Name	Membrane nitrogen generator

2	Type	Membrane
3	Inlet IA Dew point	Below-20
4	N2 Capacity	5-3000Nm3/h
5	N2 purity	Min95% Max99.5%
6	Material	SS
7	Vessel standard	ASME SEC VIII DIV.1
8	Pipeline standard	ASME B31.3
9	Power	According to design
10	Size	According to design
11	Weight	According to design
12	N2 tank	Option

Equipment features

Efficient and energy-saving: The membrane separation nitrogen generator adopts advanced membrane separation technology, which has a high nitrogen recovery rate and low energy consumption. Compared with traditional nitrogen production methods, membrane separation nitrogen production machines have significant advantages in energy conservation.

Easy to operate: The membrane separation nitrogen generator is easy to operate and can achieve continuous nitrogen production by simply following the equipment requirements. Meanwhile, the equipment has a high degree of automation, which can reduce manual intervention and operational errors.

Green and environmentally friendly: The membrane separation nitrogen generator does not require the use of any chemical agents or additives in the process of producing nitrogen, nor does it produce any pollutants or waste. It is a green and environmentally friendly nitrogen production method.

Widely used: The membrane separation nitrogen generator is suitable for various industrial fields that require high-purity nitrogen, such as chemical industry, electronics, food, medicine, etc. At the same time, different specifications and models of membrane separation nitrogen generators can be provided according to the different needs of users.

GASPU can provide you with various customized purity and yield membrane separation nitrogen generators. If you need them, please contact us.



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