

Fully Automatic Inert Nitrogen Gas Purifier Ultra Pure 220V 50Hz 2kw

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: GPA
- Minimum Order Quantity: 1pcs
- Price: Negotiate
- Packaging Details: Carton
- Delivery Time: 15work days
- Payment Terms: T/T
- Supply Ability: 30pcs/month



Product Specification

- Name: Argon Purifier
- Capacity: 4000l/H
- Purity: 99.9999%
- Size: 440*560*1220
- Work Pressure: 4-10barg
- Power: 220V 50Hz 2kw
- Weight: 138kg
- Package: Carton Package
- Highlight: Fully Automatic nitrogen gas purifier,
220V 50Hz nitrogen gas purifier,
Fully Automatic inert gas purifier

Product Description

Ultra pure fully automatic inert gas purifier

1. Introduction

To meet the needs of some users for ultrapure argon or other inert gases, GASPU has launched the GAP-6N ultrapure inert gas purifier. Based on the fully automatic argon gas purifier, this purifier is designed with ultrapure purification tubes to further remove impurities such as nitrogen and total hydrocarbons in the argon gas, reducing the nitrogen content in the product gas to below 0.5ppm and the total hydrocarbon impurities to below 0.1ppm.

This equipment uses industrial argon as the raw gas, which is subjected to catalytic cooling, secondary adsorption, and precision filtration to remove impurities, carbon monoxide, carbon dioxide, water vapor, and dust to obtain high-purity oxygen. This equipment uses industrial common gas as the raw material gas, and obtains high-purity oxygen by catalytic cooling, secondary adsorption, and precision filtration to remove impurities, carbon monoxide, carbon dioxide, water vapor, and dust. This equipment has a simple structure, good system airtightness, and the catalyst used (adjusting the working temperature based on the impurity content of the raw gas) can be used for a long time without regeneration. The two-stage double tower parallel structure of the dryer extends the regeneration time, and the regeneration setting period is arbitrarily set within 48 hours, or operated according to a self-designed program. It is energy-saving and efficient, ensuring the quality of pure gas to the maximum extent. The high-efficiency adsorbent can be reused after regeneration in the product. Suitable for major production departments that require a large amount of high-purity oxygen, such as semiconductors, optical fibers, and picture tubes.

2. Characteristics

The fully automatic purification equipment has a touch panel for one click start and stop operation, with simple and clear operation. The device is equipped with two working groups that work alternately and are used in a cyclic manner. One group is working, while the other group is regenerative cooling for backup. The reactor operates at room temperature for a long time without the need for heating in the drying group. The corresponding panel touch screen can view the hardware composition of the device, operation introduction, observation, monitoring of the working status of the working group, regeneration status of the regeneration group, working time of the working group, switching time, total working time of the device, regeneration heating time, and alarm information status.

This device operates according to a self-designed program, and the operation panel is equipped with a selection control button, which can autonomously select the regeneration cycle to prevent resource waste. All data is collected on the control touch screen, and abnormal pressure and temperature can emit sound and light warnings, prompt inspection, PLC outputs 485 protocol, and can be connected for remote control.

3. Application

This series of argon gas purifiers can be used in conjunction with direct reading spectrometers, fluorescence spectrometers, glow spectrometers, plasma spectrometers, and other spectroscopic companies produced by American thermoelectric, German Spark, German OBLF, Swiss ARL, Shimadzu, Italy NAC, UK Arang, Beijing Liman, UK Oxford, Yantai Oriental, Wuxi Yingzhicheng, Hangzhou Juguang Technology, Jiangsu Tianrui Group, etc., to ensure the accuracy and stability of analytical data. While being used in conjunction with spectroscopy, it can also reduce the cost of purchasing high-purity argon gas for customers.



4. Datasheet

No.	Item	Specification
1	Model	GAP-6N
2	Working mode	semi-automatic
3	Capacity	4000L/hr

4	Inlet Ar	99.9% O2:<1000ppm H2O: <1000ppm
5	Outlet impurity	O2:<0.5ppm H2O: <0.5ppm CO+CO2: <0.5ppm Oxides of sulfur: <0.1ppm Oxides of phosphorus: <0.1ppm N2: <0.5ppm CH4: <0.1ppm
6	Power	220V/50Hz 1.6KW
7	Outlet size	1"BSPP
8	Nosie	N/A
9	Size	440*560*1220
10	Weight	120kg



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