

## Fully Automatic Industrial Liquid Nitrogen Generator Hydrogen Purification System Equipment

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: QC
- Minimum Order Quantity: 1set
- Price: Negotiate
- Packaging Details: Plywood or other type
- Delivery Time: 70work days
- Payment Terms: T/T
- Supply Ability: 2set/month



### Product Specification

- Material: CS OR SS
- Process: Catalysis And Adsorption
- Standard: GB/ASME/PED
- Oxygen In Hydrogen: Below 1.5%
- Work Pressure: 5-40barg
- Power: According To Design
- Capacity: 10-3000Nm<sup>3</sup>/h
- Ex Type: ATEX/IEC/GB
- Highlight: industrial liquid nitrogen generator System,  
Hydrogen industrial liquid nitrogen generator,  
Nitrogen hydrogen purification system



### More Images



## Product Description

High safety, high purity, easy operation, fully automatic hydrogen purification equipment

Hydrogen purification equipment is a device used to improve the purity of hydrogen, which can remove impurities in hydrogen and obtain high-purity hydrogen. The following is a detailed introduction to hydrogen purification equipment:

### Working principle

The working principle of hydrogen purification equipment is mainly based on catalysis and adsorption technology. When hydrogen gas passes through purification equipment, the oxygen in it will react with hydrogen gas under the action of palladium catalyst to generate water. Impurities such as water, carbon dioxide, and carbon monoxide will be adsorbed by adsorbents, resulting in high-purity hydrogen gas.

### Equipment features

- 1.High purity: Hydrogen purification equipment can produce high-purity hydrogen, meeting the requirements of various industrial and technological fields for hydrogen purity.
- 2.Efficient and Stable: Adopting advanced purification technology and design, the deoxygenation tower continuously and automatically removes oxygen, and the two drying towers switch to remove water at regular intervals. The equipment can operate continuously for a long time.
- 3.Easy to operate: The hydrogen purification equipment is easy to operate and can achieve automated control, reducing manual intervention and operational errors.
- 4.Safe and reliable: The design of hydrogen purification equipment takes into account the flammable and explosive characteristics of hydrogen, and various safety measures are taken to ensure the safe and reliable operation of the equipment.

### Application areas

Hydrogen purification equipment is widely used in fields such as petrochemicals, electronics, metallurgy, aerospace, etc. In these fields, high-purity hydrogen gas is used as a reaction raw material, protective gas, reducing gas, etc., which is of great significance for ensuring product quality and improving production efficiency.

GASPU can supply hydrogen purification skid which capacity between 10-3000Nm<sup>3</sup>/h. Oxygen can below 1ppm and water can below 5ppm.



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