

## Industrial Hydrogen Nitrogen N2 Generator System Purification Equipment

Our Product Introduction

for more products please visit us on [nitrogengeneratorsystem.com](http://nitrogengeneratorsystem.com)

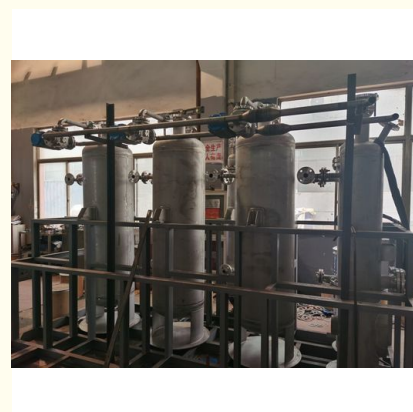
### Basic Information

- 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

- Name: Hydrogen Purification Package
- 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: 10-3000Nm3/h
- Ex Type: ATEX/IEC/GB
- Highlight: **Industrial n2 generator system,  
n2 generator system Purification Equipment,  
N2 industrial nitrogen generator**



## Product Description

### Hydrogen purification equipment without regeneration consumption

**We can supply** Hydrogen purification equipment without regeneration consumption.

It have three towers to remove water in Hydrogen, all process is controlled by PLC.

All electrical parts are Ex type according IEC or GB or ATEX.

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.



Suzhou Gaopu Ultra pure gas technology Co.,Ltd



+8613912609547



luyycn@163.com



[nitrogengeneratorsystem.com](http://nitrogengeneratorsystem.com)

No.161 Zhongfeng Street, Suzhou New District, Suzhou, P.R.China