

EX Type Automatic Hydrogen Purification System N2 Generator Package

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE,ISO
- 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: **Automatic hydrogen purification system,
EX Type hydrogen purification system,
Hydrogen n2 generator system**



Product Description

A EX type Hydrogen purificator with EX control panel.

Explosion proof certification options include GB, IEC, ATEX.

All ele parts is ex type and Protection level reaches IP65.

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

The regeneration of water removal tower is automatic and rengeration temp at 150 -180 .

The dew point of outlet hydrogen is below -70 (1ATM).

It have one oxygen removal tower to delete oxygen in hydrogen at normal temp.

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.



Technical Parameters:

Product Attribute	Value
Product	Hydrogen purificator
Usage Life	20 years
Oxygen in H2	below 1PPM
Movable	YES
EX TYPE	Ex pdm IIC T4
Capacity	10-200SCFM
Status	Inert Gas Protection
Payment	Discussed
Dew point	below 2.59ppm
Inlet Pressure	6.5-40barg

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 10-3000Nm³/h. Oxygen can below 1ppm and water can below 5ppm.



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