Redundant Control Skid Mounted Equipment Instrument Air N2 Nitrogen Generation Skid

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: IA
- Minimum Order Quantity: 1set
- Price: negotiation
- Packaging Details: Plywood or other type
- Delivery Time: 25work days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 4set/month

Product Specification

- Name: Instruement Air N2 Generator Skid
- Standard: ASME Or PED Or Others
- Capacity: By Customer's Datasheet
- Dew Point: Below-40
- Control Power: 110-240V 50/60Hz 0.5kw
- Size: According To Design
- Weight: According To Design
- Redundant CPU: YES
- Redundant IO: NO
- Highlight: **skid mounted equipment Nitrogen Generation**, **N2 Nitrogen skid mounted equipment**, **N2 nitrogen generation skid**

More Images

Our Product Introduction

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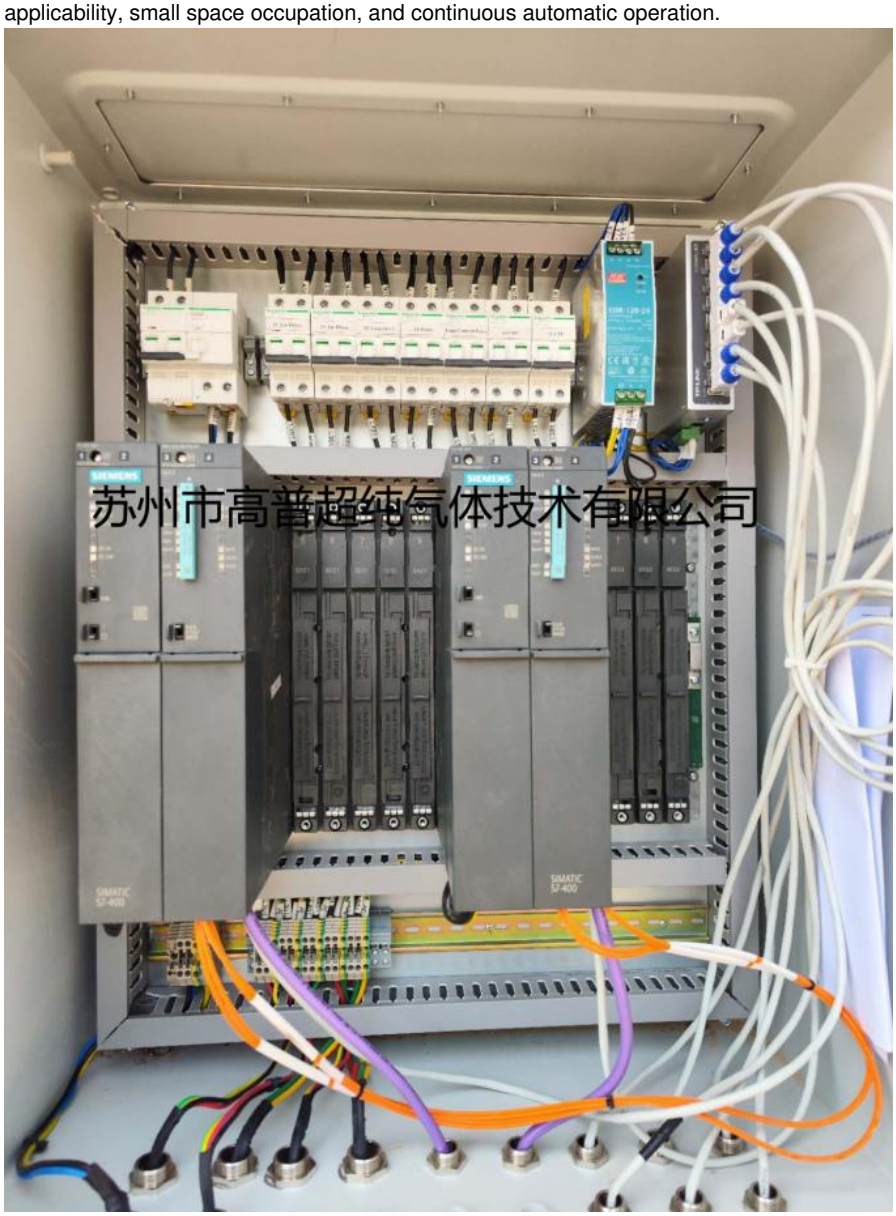
Product Description

Redundant Control Instrument Air N2 generator Skid

Based on ordinary Instrument Air&N2 generator Skid, the control system is designed as a redundant control type, greatly improving the usability of the skid.
The skid mounted instrument air nitrogen generator skid has a 2 * 100% design, high reliability, strong availability, wide applicability, small space occupation, and continuous automatic operation.



Definition and characteristics:
The skid mounted instrument air nitrogen making skid integrates various components of the nitrogen making machine (such as compressor, cooler, filter, dryer, separation device, etc.) into a single steel structure platform, forming an independent unit.
This device is connected to external systems through preset process connection ports, control power, and communication interfaces, making it convenient and fast.
The skid mounted design allows for overall migration, greatly enhancing its flexibility and mobility.

working principle:
The working principle of the skid mounted instrument air nitrogen production skid mainly includes three processes: instrument air production, nitrogen preparation, and storage.
Firstly, the air is compressed to a certain pressure through a compressor and sent to a cooler for cooling.
Then, the cooled air is filtered to remove solid particles and larger liquid particles,
Then remove water vapor and other moisture through a dryer.
Next, using molecular sieves or membrane separation devices, oxygen, argon, and other impurities in the air are separated from nitrogen to obtain nitrogen.
Finally, send the nitrogen gas into the nitrogen storage tank for storage.

Advantages:
High integration: All components are integrated on one platform, reducing footprint and improving space utilization.
Easy installation: Most of the installation work is completed in the factory, reducing the amount of on-site construction and shortening the installation cycle.
Stable operation: Advanced technology and high-quality materials are used to ensure the stability and reliability of the equipment.
Easy maintenance: Modular design makes equipment maintenance and replacement more convenient and efficient.

Application:
The skid mounted instrument air nitrogen production skid is widely used in the fields of food, medicine, electronics, etc., to meet the demand for high-purity nitrogen in these industries.
In certain special occasions, such as oil field gas lifting and downhole operations, the skid mounted instrument air nitrogen production skid also plays an important role in providing necessary nitrogen support for production.

Other information:
Purity: The purity of nitrogen prepared by the skid mounted instrument wind nitrogen production skid can usually reach over 95%, and for applications that require higher purity, the purity can even reach over 99.9%.
Pressure and flow rate: According to specific requirements, the skid mounted instrument air nitrogen skid can provide nitrogen output at different pressures and flows.
Mobility: Due to its skid mounted design, the entire device can be easily migrated as a whole, facilitating transfer between different work locations.

Other:
This is a non-standard device that requires users to provide detailed design standards and data sheets for design.

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