Custom Redundant PLC Instrument Air Skid N2 Nitrogen Generator

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

- Product Name: Instrument Air Skid
- Capacity: By Customer
- Dew Point: Below-40
- Material: CS With Galv
- Vessel Standard: ASME VIII.1
- Pipeline Standard: ASME B31.3
- Power: According To Design
- Size: According To Design
- Weight: According To Design
- Control: Option In Redundant
- Highlight: **N2 Nitrogen Instrument Air Skid**, **Redundant PLC Instrument Air Skid**, **Custom n2 nitrogen generator**

Our Product Introduction

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Product Description

An instrument air skid with ASME certification vessels, ASME certification pipelines

Introduction
The instrument wind skid mainly consists of air compressor, air tank, filter, dryer, valve, instrument, redundant control sytem, etc.
The control panel with redundant PLC and IO modules.
PLC come from SIEMENS or AB.
All pressure vessels are designed with ASME VIII.1 and pipeline is designed with ASME B31.3

Datasheet for Instrument air skid

No.	Item	Specification
1	Product Name	Instrument air skid
2	Capacity	by customer
3	Dew point	Below-40
4	Material	CS with galv or SS
5	Vessel standard	ASME VIII.1
6	Pipeline standard	ASME B31.3
7	Power	According to design
8	Size	According to design
9	Weight	According to design
10	Control	Redundant CPU or Non-redandunt

Definition and characteristics:
The skid mounted instrument wind skid integrates air compressors, dryers, controllers, valves, pipelines, auxiliary equipment, intermediate connectors, and cables on a single steel structure platform, with only reserved process connection ports, control power supply, and communication interfaces for the overall integration part. The device is assembled on a skid and can be migrated as a whole, making it convenient and flexible.

Advantages:
1. Reduce on-site construction volume: Most of the installation work of the skid mounted equipment is completed in the factory, which can greatly reduce the amount of on-site construction work and shorten the installation cycle of the project.
2. Improve engineering construction efficiency: The installation of fixed equipment on site requires on-site construction personnel to have good professional skills and construction experience, while the integrated supply, assembly, testing, and inspection of skid mounted devices are all completed in the factory, greatly reducing the amount of on-site construction work and improving work efficiency.
3. Ensure the quality of engineering construction: Completing assembly and testing in the factory is beneficial for ensuring installation quality.
4. Easy to relocate and transport: It can be relocated as a whole and has good flexibility.

working principle:
The instrument wind skid is mainly used for purifying and drying compressed air, so that the dew point of compressed air is below -40 , the oil content is below 0.01ppm, and the dust particle size is less than 0.01um.
The ambient air is compressed by an air compressor, cooled by a cooler, and separated from steam and water before being sent to the factory air storage tank to balance the air pressure. Then, it is filtered through multiple filters and deeply dehydrated by a dryer to obtain instrument air.

Application:
Skid mounted instrument air skid is widely used in various fields, such as natural gas liquefaction units, well gas recovery units, decarbonization modular units, sulfur recovery modular units, etc.
The instrument wind skid has the characteristics of high integration, easy installation, short installation time, and easy relocation, and is suitable for on-site liquefaction of natural gas, shale gas, coalbed methane, and other remote gas wells.

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

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