

## SIL2 Instrument Air Skid Nitrogen Generator System For Laser Cutting

Our Product Introduction

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### 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

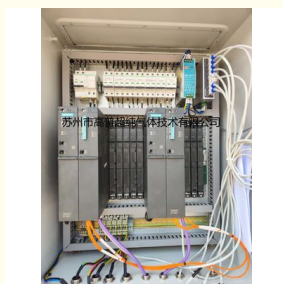


### Product Specification

- Compressor Brand: Ingersoll Rand
- Air Dryer Brand: Parker
- Type: Skid
- Flow Rate: Depends On Customer's Requirement
- Air Dryer Type: Refrigerated
- Application: Instrument Air System
- Power Supply: Electric
- Compressor Type: Reciprocating
- Capacity: Depends On Customer's Requirement
- Pressure Rating: Depends On Customer's Requirement
- Size: Customized
- Material: Carbon Steel
- Control System: PLC
- Highlight: **SIL2 Instrument Air Skid, Laser Cutting Instrument Air Skid, O2/N2 Instrument Air System**



### More Images



## Product Description

Based on ordinary instrument air skid, the control system is designed as a fail-safe type to meet the safety certification SIL2 level of the instrument air skid.

### Introduction

The instrument wind skid mainly consists of air compressor, air tank, filter, dryer, valve, instrument, control box, etc. All control modules will be designed for fail safe operation.

### 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.
5. based on fail-safe design, Skid can be connected with SIS or ESD system, reduce the probability of safety accidents occurring

### 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.



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