

## A PSA nitrogen generator for Dry gas seal, Redundant units, high reliability, high safety

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: NG
- Price: Negotiate
- Packaging Details: Plywood or other type
- Delivery Time: 75work days
- Payment Terms: T/T
- Supply Ability: 2set/month



### Product Specification

- Warranty: One Year
- Usage: Nitrogen
- Condition: New
- Voltage: 220v/380v/50-60hz
- Purity: 95-99.99
- Color: Customized
- Highlight: **psa onsite nitrogen generation, generator onsite nitrogen generation, redundant psa nitrogen generator**



### More Images



## Product Description

### A PSA nitrogen generator for Dry gas seal, Redundant units, high reliability, high safety

#### Brief introduction

Dry gas seal is a new non-contact seal developed in the late 1960s by fundamentally improving mechanical seals based on gas dynamic pressure bearings. In fact, it mainly achieves non-contact operation of the sealing end face by adding dynamic pressure grooves on the dynamic ring of the mechanical seal and corresponding auxiliary systems. John Crane Company in the UK was the first to successfully apply dry gas sealing to gas transportation equipment on offshore platforms in the late 1970s. Dry gas sealing was originally developed to solve the problem of shaft end sealing in high-speed centrifugal compressors. Due to the non-contact operation of the sealing, the material of the sealing friction pair is basically not limited by the PV value, making it particularly suitable as a shaft end seal for high-speed and high-pressure equipment.

The GASPU nitrogen generator has been maturely applied to multiple sets of centrifugal compressors for dry gas sealing, effectively protecting the equipment. At the same time, due to on-site nitrogen production, it greatly reduces the cost of using nitrogen for users.

#### Feature of Nitrogen production for dry gas sealing

##### 1. Redundant unit design

Due to the use of nitrogen as a dry gas seal in units such as large centrifugal compressors, which require absolute reliability, redundant units are also designed for nitrogen production units.

##### 2. Highly automated work

The GASPU nitrogen production unit is completely controlled by PLC, achieving unmanned operation.

##### 3. Optional remote/local working status

The GASPU nitrogen generating unit is applied in power plants/natural gas plants/other occasions, and the equipment is generally placed far away. Under normal conditions, it is in remote working mode. When it is shut down for maintenance, it switches to local working mode

##### 4. Optional SIL2/SIL3 certified control card

For some customers with special requirements, GASPU can provide SIL2/SIL3 certified control cards to ensure high security.

#### Specifications

Purity: 95-99.99%

Capacity: 10-500Nm<sup>3</sup>/Hour capacity

Dew point: ≤-40

Air source pressure: 0.75-1.0Mpa

Nitrogen-making pressure: 0.35-0.6Mpa



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