

## PSA Industrial O2 Oxygen Generator Concentrator Plant High Purity

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: GASPU
- Certification: CE
- Model Number: OG
- Minimum Order Quantity: 1set
- Price: Negotiate
- Packaging Details: Plywood or other type
- Delivery Time: 40work days
- Payment Terms: T/T
- Supply Ability: 6set/month



### Product Specification

- Material: CS OR SS
- Standard: ASME Or PED Or Others
- Purity: 90%-93%
- Capacity: 5-300Nm3/h
- Power: According To Design
- Color: Customizable
- Work Pressure: 6-7barg
- Highlight: **PSA Industrial Oxygen Generator, Industrial Oxygen Generator Plant, O2 psa oxygen generator**



### More Images



## Product Description

### PSA industrial oxygen concentrator with high safety, stability, and purity

Industrial oxygen concentrator is a device used for producing high-purity oxygen in industrial production processes. It is based on the principle of molecular sieve adsorption, separating oxygen from the air to meet various industrial production needs.

Work principle

Molecular sieve adsorption principle: Industrial oxygen concentrators are filled with molecular sieves. When air passes through the molecular sieve, nitrogen molecules are adsorbed on the surface of the molecular sieve, while oxygen molecules enter the product gas through the pores of the molecular sieve, thereby achieving oxygen nitrogen separation. As adsorption proceeds, the adsorption capacity of the molecular sieve for nitrogen gradually reaches saturation. At this time, it is necessary to regenerate the molecular sieve by reducing pressure or increasing temperature to restore its adsorption performance.

### Characteristics

1. High purity: Industrial oxygen concentrators can produce high-purity oxygen, usually with a purity of over 90% or even higher.
2. Efficient and Stable: Using advanced molecular sieve adsorption technology or membrane separation technology, industrial oxygen concentrators have high separation efficiency and stability, and can operate continuously for a long time.
3. Easy to operate: Industrial oxygen concentrators are easy to operate, easy to achieve automation control, reduce labor costs and operational error rates.
4. Safety and reliability: The equipment is designed with safety factors in mind and various safety measures are taken to ensure the safe and reliable operation of the equipment.
5. Skid design: Small and medium-sized oxygen concentrators adopt a sled design, which is convenient for installation and use.

### Application

Industrial oxygen concentrators are widely used in fields such as metallurgy, chemical industry, medicine, electronics, papermaking, and glass. In these fields, high-purity oxygen is used as a combustion aid, oxidant, protective gas, etc., which is of great significance for improving product quality, improving production efficiency, and reducing energy consumption.

GASPU can supply oxygen generator which capacity between 5-300Nm<sup>3</sup>/h and purity above 92%.



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