



## High Speeds ZG Series Roots Blower For Sale With Proprietary Technology For Sewage Treatment Industry

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Model Number: ZG
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Export Standard Packaging
- Payment Terms: T/T, L/C



### Product Specification

- Material: HT250
- Model: Roots Blower
- Flow: 0.43-184.4m³/min
- Boost: 9.8-98kpa
- Highlight: industry industrial roots blower,  
industry roots blower for sale,  
sewage treatment industrial roots blower



### Product Description

## and Cost-Effectiveness ZG Series Roots Blower with and Proprietary Technology

### Product Characteristics

#### Product Features

These characteristics make the ZG series Roots blower not only superior in performance to many similar products, but also outstanding in practicality and maintenance convenience, suitable for various application scenarios that require high pressure and large flow rate.

The core product features of the ZG series Roots blower include its high cost-effectiveness and advanced design. This series of Roots blowers is an updated product designed and developed by our company using proprietary technology, based on the introduction of American blower technology. It represents the leading technology in the world today.

Reliable operation under high pressure: The specially designed casing ensures reliable operation under high pressure and reduces operating noise.

Efficient impeller design: The fan impeller and shaft adopt an integrated structure with good rigidity, ensuring high pressure, large flow rate, and smooth operation of the fan at high speeds.

Energy saving design: The fuel tank is made of aluminum alloy material, with an air-cooled structure and a single-stage pressure of 98kPa without the need for cooling water.

Our Product Introduction

**Compact structure:** The dense unit design has a compact structure, and the belt tensioning adopts a self tensioning structure, making it easy to use and maintain.

**Multifunctionality:** The fan host can be used both vertically and horizontally, making it easy to replace foreign models

**Precision hard tooth helical synchronous gear:** using precision hard tooth helical synchronous gear, keyless connection, reliable positioning, smooth operation, low noise, high strength, long service life.

#### Applications

**Wastewater treatment:** In wastewater treatment, Roots blowers are widely used in aeration systems to inject gas into the aeration tank, promote biodegradation and oxidation processes in wastewater, and effectively purify water quality.

**Pharmaceutical and chemical industries:** In the pharmaceutical and chemical industries, Roots blowers are used to provide stable airflow for drying, mixing, and conveying materials such as powders and particles, meeting the gas requirements during the production process.

**Food processing:** In food processing, Roots blowers are commonly used for dehydration, drying, cooling, and other processes to ensure the safety and quality of food.

**Environmental protection and purification:** Roots blowers are used in the field of environmental protection to adsorb exhaust gases or purify emitted gases, helping to reduce industrial emissions that pollute the environment.

**Paper making and printing:** During the paper making process, Roots blowers provide stable airflow to assist in processes such as drying and curling of the paper; In the printing industry, it is used to provide a stable airflow to help dry printed materials.

**Petroleum and natural gas industry:** Roots blowers are used to provide pressure or vacuum, involving processes such as refining, oil and gas transportation and processing, and compressed natural gas.

**Aquaculture:** By supplying air to the aquaculture water, increasing the oxygen content in the water, improving water quality, and increasing aquaculture yield and quality.

**Other fields:** Roots blowers are also used in various industries such as cement conveying, pneumatic conveying, and grain processing, playing an important role in gas conveying, pressurization, ventilation, and other aspects.

In summary, the ZG series Roots blower has become an indispensable equipment in many industrial and production processes due to its stable performance and wide range of applications.

#### Scope of application

It is suitable for sewage treatment industry, petrochemical industry, food and drug industry, textile industry, metallurgy industry, cement and construction materials industry, printing and dyeing industry and other industries.

#### Market Distribution

We have 42 offices throughout the country, in addition to Taiwan Province, 33 provinces in the country's administrative regions have a sound sales and service network. We can provide you with pre-sale, in-sale and after-sales service in a timely and convenient manner, understand your needs, and constantly improve the service and quality system while meeting the customized needs of customers.

#### High Performance Aerodynamic Design Methodology for Wide Service Conditions

By studying the influence of impeller and volute flow on efficiency and working stability, the R&D team proposed a flow control method and a pneumatic optimization design method to improve the performance of the main engine, which greatly improved the efficiency of the main engine.

#### Manufacturing & Equipment Base

has built laboratories, R&D buildings, processing workshops, etc., with internationally advanced and China leading high-precision processing equipment.



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