



Industrial Magnetic Levitation Pump The Perfect Combination of and Efficiency

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Aipu
- Certification: CE CCC SABS TUV RoHS
- Model Number: GFV150
- Price: Negotiable
- Packaging Details: Standard Export Package
- Delivery Time: 6-8 workdays



Product Specification

- Features: Maintenance-free, Oil-free, Compact Design
- Models: GFV150
- Inlet Pipe Diameter: DN350
- Vacuum Degree: -10~-70kpa
- Gas Volume Range: 75-182m³/min
- Type: Magnetic Levitation
- Power: 150KW

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Product Description:

Magnetic levitation vacuum pump is an efficient, energy-saving, and environmentally friendly product, which adopts a three element flow centrifugal impeller and a high-speed synchronous motor integrated direct drive structure. It detects the vibration of the rotating shaft in real time through the built-in displacement sensor, and transmits the obtained information to the magnetic levitation bearing controller for conditioning and calculation, generating control current, which is then input into the magnetic bearing coil to generate electromagnetic force, thereby achieving the suspension of the rotating shaft.

A permanent magnet synchronous motor generates a frequency controllable current through a frequency converter, which is input into the motor stator to generate a rotating magnetic field and drive the shaft to rotate at high speed.

The impeller, which rotates at high speed along with the shaft, exhausts the air inside the impeller, creating negative pressure at the impeller. External gas enters the impeller through the inlet pipe and is expelled from the volute exhaust outlet. The inlet is connected to the vacuum process point to achieve the function of vacuuming.

Features:

Product Name: Magnetic Levitation Vacuum Pumps

Energy saving and High efficiency

Tenary flow Impeller is directly coupled with high-speed PMSM

Low noise

With the self-balancing technology, the vibration level of Magnetic bearing is lower than traditional bearings, and there is no friction. Adopting the active vibration damping design, the blower can operate smoothly of less vibration.

Maintenance Free

Integrated design, skid mounted structure, convenient installation, one key to start and stop the blower. No need for mechanical maintenance during daily operation, only to replace the filter.

Intelligent Control

With PLC+GPRS/3G/4G, we can real time monitored the operation status of the blower and control flow, air pressure and speed by intelligently or manually mode. In case of failure, it can also be repaired and debugged remotely.

Model Selection of Magnetic Suspension Centrifugal Vacuum Pump:

型号	真空度(kPa)	气量范围	功率(kW)	吸入管径
GFV50	10 ~ 50	25 ~ 50	50	DN250
GFV75	10 ~ 70	44 ~ 91	75	DN250
GFV100		53 ~ 121	100	DN350
GFV150		75 ~ 182	150	DN350
GFV200		93 ~ 235	200	DN450
GFV300		112 ~ 290	300	DN450

Five-degree-of-freedom magnetic suspension bearing technology which have independent intellectual property rights can guarantee the rotor system is suspended by electromagnetic force when the equipment is powered on. The controller ensures that the signal is collected more than 10000 times per second and the stable suspension of high-speed rotor. Redundant power system and spare bearings could provide multiple protection to avoid any damage due to the sudden power failure or downtime.

Applications:

Our suspended vacuum pumps are perfect for use in semiconductor manufacturing, analytical instruments, research labs, and more. With a noise level of less than 50 DB(A), our pumps are ideal for use in quiet environments where noise is a concern.

At Aipu, we pride ourselves on our commitment to quality and customer satisfaction. Our pumps are certified by CE, CCC, SABS, TUV, and RoHS, so you can be confident that you are getting a high-quality product that meets the highest industry standards. And with our competitive pricing and standard export packaging, you can enjoy even greater value for your investment.

So why wait? Contact us today to learn more about our suspended vacuum pumps and how they can benefit your business. With fast delivery times of just 6-8 workdays, you can start enjoying the benefits of our top-quality pumps sooner than you think!

Customization:

Aipu Vacuum Pumps, also known as *Magnetic Suspension Vacuum Pumps* or *Levitating Vacuum Pumps*, are tailored to meet your specific needs. Made in **China** with the highest quality materials, our pumps are **Certified with CE, CCC, SABS, TUV, and RoHS** for safety and reliability.

We offer **negotiable pricing** and **standard export packaging** to ensure your satisfaction. Our **delivery time** is typically 6-8 workdays, so you can trust us to meet your deadlines.

The **compact design** of our **Magnetic Levitation** technology pumps makes them perfect for use in **semiconductor, analytical instruments, and research labs**. Made with **stainless steel**, our pumps are also **maintenance-free** and **oil-free**, making them a reliable choice for your operations.

At **Aipu**, we are committed to meeting your specific needs. Contact us today to learn more about our *Magnetic Suspension Vacuum Pumps* and how we can customize them for you.

Support and Services:

The Magnetic Levitation pumps product comes with comprehensive technical support and services to ensure optimal performance and customer satisfaction. Our team of experts is available to provide assistance with installation, troubleshooting, and maintenance of the product. We also offer repair and replacement services for any defective components. Additionally, we provide training and educational resources for customers to help them understand the product and its features. Our goal is to provide exceptional customer service and exceed expectations in all aspects of our support and services for the Magnetic Levitation pumps product.

Packing and Shipping:

Product Packaging:

1 Magnetic Levitation Vacuum Pump

1 Power Adapter

1 User Manual

Shipping:

Item will be carefully packed and shipped within 1-2 business days after payment is received.

Shipping options include standard ground shipping or expedited shipping for an additional fee.

Tracking information will be provided once the item has shipped.

International shipping is available, but additional customs fees and import taxes may apply.

FAQ:

Q: What is the brand name of the magnetic levitation vacuum pumps?

A: The brand name of the magnetic levitation vacuum pumps is Aipu.

Q: Where are the magnetic levitation vacuum pumps made?

A: The magnetic levitation vacuum pumps are made in China.

Q: Does the product come with any certifications?

A: Yes, the product comes with various certifications including CE, CCC, SABS, TUV, and RoHS.

Q: What is the price of the magnetic levitation vacuum pumps?

A: The price of the magnetic levitation vacuum pumps is negotiable.

Q: What is the packaging for the magnetic levitation vacuum pumps?

A: The magnetic levitation vacuum pumps come with a standard export package.

Q: How long does it take for delivery of the magnetic levitation vacuum pumps?

A: The delivery time for the magnetic levitation vacuum pumps is 6-8 workdays.



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