



## High Pressure Whirlpool Fan Vortex Air Pump Industrial Blower Roots Fan Vacuum Pump Fish Pond Oxygenator

Our Product Introduction

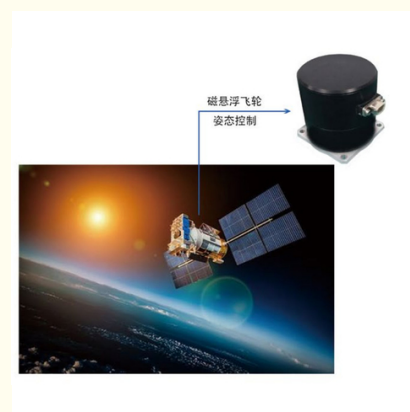
### Basic Information

- Place of Origin: China
- Brand Name: AiPu
- Certification: ISO



### Product Specification

- Voltage: 380V
- Frequency: 50/60Hz
- Color: White
- Power Supply: Electric
- Application: Oxygenation
- Type: Breed
- Flow Rate: 12-78m<sup>3</sup>/min
- Weight: 100-190 Kg
- Noise Level: ≤75dB
- Size: Standard
- Highlight: High Pressure Whirlpool Fan, Vortex Air Pump, Industrial Blower Roots Fan



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## Product Description

# High-pressure whirlpool fan vortex air pump industrial blower Roots fan vacuum pump fish pond oxygenator

## Product Description

### High-Pressure Whirlpool Fan

**Function:** Generates a strong airflow to create a whirlpool effect, often used in cooling systems or for mixing.

**Applications:** Suitable for industrial cooling and other processes requiring high air movement.

### Vortex Air Pump

**Function:** Uses a vortex design to move air or fluids efficiently.

**Applications:** Commonly used in aquaculture, water treatment, and industrial settings.

### Industrial Blower

**Function:** Moves large volumes of air at high pressure.

**Applications:** Used in dust collection, drying processes, and ventilation systems.

### Roots Fan

**Function:** A positive displacement blower that uses lobes to move air.

**Applications:** Typically used in vacuum systems, pneumatic conveying, and as an air source for aquaculture.

### Vacuum Pump

**Function:** Removes air and gases from a sealed volume to create a vacuum.

**Applications:** Used in various industries, including food packaging, pharmaceuticals, and laboratory settings.

### Fish Pond Oxygenator

**Function:** Increases oxygen levels in water to support aquatic life.

**Applications:** Essential for maintaining healthy ecosystems in fish ponds and aquariums.

### Summary

These devices are crucial in various industrial applications, particularly in maintaining air quality and ensuring the health of aquatic environments. If you have specific questions or need more detailed information about any of these components, feel free to ask!

Here's an overview of the specifications and performance characteristics for high-pressure whirlpool fans, vortex air pumps, industrial blowers, Roots fans, vacuum pumps, and fish pond oxygenators.

### High-Pressure Whirlpool Fan

**Airflow:** 500 - 5000 m<sup>3</sup>/h

**Air Pressure:** 1000 - 5000 Pa

**Power:** 1 - 15 kW

**Noise Level:** 65 - 85 dB(A)

**Applications:** Industrial cooling, mixing, and ventilation

### Vortex Air Pump

**Airflow:** 200 - 3000 m<sup>3</sup>/h

**Air Pressure:** 200 - 800 Pa

**Power:** 0.5 - 10 kW

**Efficiency:** 70% - 85%

**Applications:** Water treatment, aquaculture, industrial use

### Industrial Blower

**Airflow:** 1000 - 20000 m<sup>3</sup>/h

**Air Pressure:** 2000 - 12000 Pa

**Power:** 5 - 100 kW

**Durability:** Long operational life, easy maintenance

**Applications:** Dust collection, drying, and ventilation

### Roots Fan

**Airflow:** 100 - 5000 m<sup>3</sup>/h

**Air Pressure:** 1000 - 5000 Pa

**Power:** 1.5 - 50 kW

**Operating Temperature:** -20°C to 60°C

**Applications:** Vacuum systems, pneumatic conveying

### Vacuum Pump

**Pumping Rate:** 5 - 500 m<sup>3</sup>/h

**Final Vacuum Level:** 0.1 - 1000 mbar

**Power:** 0.5 - 20 kW

**Applications:** Food packaging, pharmaceuticals, laboratories

### Fish Pond Oxygenator

**Oxygenation Capacity:** 1 - 5 kg O<sub>2</sub>/h

**Power:** 0.5 - 3 kW

**Applicable Water Depth:** 1 - 3 meters

**Noise Level:** 50 - 70 dB(A)

**Applications:** Fish farming, shrimp aquaculture, ecological maintenance



**Yixing Aipu Air System Equipment Co., Ltd**



13771572002



183426306@qq.com



aipukqdl.com

Yixing Yicheng Street Hardware Electromechanical City, Phase I, Block 5, District 3, 8071