

# Mini Air Vacuum Pump – 370 Motor 6V DC

The **Mini Air Vacuum Pump with 370 Motor** is a compact and efficient pump designed for small-scale applications requiring **air suction or pressure generation**. Operating at **6V DC**, this pump delivers reliable performance while consuming minimal power, making it ideal for **DIY electronics projects, scientific experiments, and small automation systems**. Its lightweight design and portability allow it to be easily integrated into projects where space is limited.

Whether you are building a **mini vacuum system, air sampling device, or microfluidics experiment**, this pump provides consistent airflow and dependable operation. The **370 motor** ensures smooth performance and long-lasting durability, suitable for both **hobbyists and professional developers**.



## Key Features of Mini Air Vacuum Pump

- **Compact and Lightweight:** Small size makes it easy to fit into tight spaces and portable projects.
- **Voltage:** Operates at **6V DC**, ideal for microcontroller-powered projects and battery operation.
- **Motor Type:** Equipped with a **370 DC motor** for efficient airflow generation.
- **Airflow Performance:** Provides steady suction and discharge for mini vacuum applications.
- **Durable Design:** Built for long-term operation with high-quality materials.
- **Easy to Use:** Simple electrical connection to power the pump, compatible with Arduino, Raspberry Pi, and other control boards.
- **Quiet Operation:** Minimal noise for small-scale and indoor applications.

- **Versatile Applications:** Suitable for educational projects, hobbyist builds, medical simulations, and microfluidics.

## Technical Specifications

- **Motor Type:** 370 DC Motor
- **Operating Voltage:** 6V DC
- **Current Consumption:** Approximately 200–500 mA under normal load
- **Flow Rate:** Suitable for mini air suction or pressure tasks
- **Operating Temperature:** -10°C to 60°C
- **Noise Level:** Low, suitable for indoor use
- **Material:** High-quality plastic and metal components
- **Dimensions:** Compact form factor, easy to integrate
- **Weight:** Lightweight for portable applications



## Why Choose the Mini Air Vacuum Pump?

1. **Compact Yet Powerful** – Despite its small size, the pump provides **reliable airflow** for a variety of small-scale applications.
2. **Low Power Consumption** – Efficient design allows operation with **low-voltage DC sources** like 6V batteries or microcontroller power pins.
3. **Easy Integration** – Simple wiring and lightweight design make it ideal for **Arduino, Raspberry Pi, or other microcontroller-based projects**.
4. **Versatile Use** – Can be used in vacuum chambers, microfluidic experiments, air sampling, and hobbyist robotics projects.
5. **Durable and Long-Lasting** – High-quality 370 motor ensures extended operational life.

## Applications of Mini Air Vacuum Pump

- **DIY Vacuum Projects:** Create small vacuum chambers or suction devices for electronics experiments.
- **Microfluidics:** Generate airflow for scientific experiments involving fluid movement.
- **Medical Simulation:** Simulate suction systems for educational or training purposes.
- **Educational Projects:** Teach airflow, pressure, and vacuum principles in schools and labs.
- **Hobbyist Robotics:** Integrate into robotic projects that require mini suction or pneumatic movement.
- **Environmental Experiments:** Sample air or generate pressure for small-scale experiments.

## How to Use the Mini Air Vacuum Pump

1. **Connect Power Supply** – Provide a stable **6V DC power source** to the pump terminals.
2. **Attach Tubing** – Connect silicone or plastic tubing to the inlet or outlet depending on suction or pressure requirement.
3. **Control with Microcontroller** – Optionally, connect to Arduino, Raspberry Pi, or similar boards to switch the pump on/off using digital pins.
4. **Test Airflow** – Observe the suction or pressure output to ensure proper operation.
5. **Integrate into Project** – Use in DIY experiments, robotics, or microfluidic systems.

The simple setup allows **hobbyists, students, and professionals** to easily implement vacuum or airflow solutions in small-scale applications.

## Package Includes

- 1 × **Mini Air Vacuum Pump – 370 Motor 6V DC**

## Conclusion

The **Mini Air Vacuum Pump – 370 Motor 6V DC** is a compact, reliable, and versatile solution for projects requiring **air suction or pressure generation**. With its **low power consumption, durable motor, and easy integration**, this pump is perfect for **DIY electronics, educational experiments, and hobbyist robotics**.

Whether you are building a **mini vacuum chamber, microfluidic setup, or robotic system**, this pump delivers consistent performance, making it an indispensable component in your electronics toolkit.