

Arduino DC6-12V Mini Aquarium Water Pump R385

Product Overview

The **Arduino DC6-12V Mini Aquarium Water Pump R385** is a compact, reliable, and versatile water pump designed for a variety of applications including aquarium systems, DIY electronics projects, and fluid circulation experiments. Engineered for efficiency, the R385 pump operates smoothly on DC power between 6V and 12V, making it ideal for integration with **Arduino projects, Raspberry Pi systems, and other microcontroller-based applications.**

This mini water pump is widely used in **aquariums, hydroponics, small fountains, beverage machines, cooling systems, and robotics projects** where controlled water flow is required. With its lightweight and durable construction, the R385 water pump ensures consistent performance while remaining energy-efficient.



Key Features

- **Wide Operating Voltage:** Works with DC6V–12V, making it flexible for different power supply setups.
- **Compact & Lightweight Design:** Easy to install in tight spaces or portable projects.
- **Quiet Operation:** Low-noise motor ensures smooth and quiet pumping, suitable for indoor applications.
- **Durable Build:** Built from high-quality materials for long-lasting use.
- **Arduino Compatible:** Perfect for DIY electronics, automation, and prototyping with Arduino or Raspberry Pi.
- **Efficient Water Flow:** Provides strong suction and reliable circulation for small-scale systems.



Applications of the Arduino DC6-12V Mini Aquarium Water Pump R385

The **R385 water pump** is highly versatile and can be used in several practical and creative applications:

1. Aquariums and Fish Tanks

Keep your aquarium clean and oxygenated by circulating water effectively. The mini pump is ideal for small to medium aquariums, ensuring a healthy environment for fish and aquatic plants.

2. DIY Arduino Projects

Integrate the pump with **Arduino or Raspberry Pi** to create automated water systems, such as smart irrigation, hydroponic setups, or even science projects requiring water circulation.

3. Hydroponics and Gardening Systems

Perfect for hydroponic projects where plants are grown without soil. The pump provides steady water flow to deliver nutrients efficiently to plant roots.

4. Fountains and Decorative Water Features

Use the R385 pump in **mini fountains, tabletop waterfalls, or decorative displays**, adding a beautiful touch to your living or workspace.

5. Cooling Systems

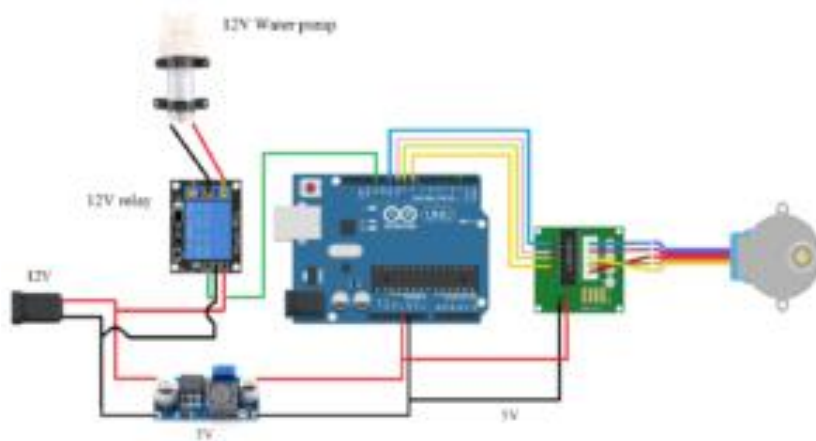
Circulate water in DIY cooling systems for small electronic devices or laboratory experiments requiring temperature control.

6. Beverage and Vending Machines

The pump can be used to transfer liquids in small beverage dispensers or DIY drink machines.

Technical Specifications

- **Model:** R385
- **Operating Voltage:** DC 6V – 12V
- **Working Current:** ~0.5A to 0.7A
- **Flow Rate:** Approx. 1–3 L/min (depending on voltage)
- **Lift Height:** Up to ~1.5–2 meters (depending on voltage)
- **Pump Type:** Diaphragm pump
- **Material:** High-quality plastic with durable motor
- **Noise Level:** Low, designed for quiet operation
- **Dimensions:** Compact and lightweight for easy integration
- **Applications:** Aquarium, hydroponics, fountains, Arduino projects, cooling systems, beverage machines



Why Choose the Arduino DC6-12V Mini Aquarium Water Pump R385?

The **R385 mini water pump** offers a perfect balance of size, power, and versatility. Its wide voltage range makes it suitable for multiple power sources, while its compatibility with **Arduino and Raspberry Pi** makes it a great choice for makers, students, and professionals. Unlike bulky pumps, this mini design saves space without compromising performance.

If you are working on a **DIY electronics project, smart garden system, or simply need a reliable pump for your aquarium**, the R385 is a cost-effective and dependable solution.

