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> [AQQA](#) /

> [AQQA DC Aquarium Water Pump with Controller \(Model AQ169\) Instruction Manual](#)

AQQA AQ169

AQQA DC Aquarium Water Pump with Controller (Model AQ169) Instruction Manual

Model: AQ169

INTRODUCTION

Thank you for choosing the AQQA DC Aquarium Water Pump with Controller. This manual provides essential information for the safe and efficient operation of your new pump. Please read these instructions thoroughly before installation and use, and retain them for future reference.

This pump is designed for various applications including freshwater and saltwater aquariums, ponds, statuary, and hydroponic systems. It features adjustable flow rates, a convenient feed mode, and quiet operation.

SAFETY INSTRUCTIONS

- Always disconnect the power supply before handling, installing, or performing maintenance on the pump.
- Ensure the pump is fully submerged in water during operation to prevent dry burning and damage.
- The pump is designed for indoor and outdoor use in water environments only. Do not operate in dry conditions.
- The power cord is UL-listed and fire-resistant. Do not modify or damage the power cord.
- The pump operates on 12V DC low-voltage output, which minimizes shock risks.
- Keep children and pets away from the pump during operation.
- Regularly inspect the pump and power cord for any signs of damage. Discontinue use if damage is found.
- Do not use the pump for purposes other than those specified in this manual.

PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking:

- 1 x AQQA DC Aquarium Water Pump (Model AQ169)
- 1 x External Controller
- 2 x Interchangeable Nozzles (6/8mm and 10/12mm)
- 1 x Power Cord (10.83 ft)
- 1 x Instruction Manual

PRODUCT FEATURES

- **Smart Control & Feeding Timer:** External controller with 4 flow adjustment levels. Hold ON/OFF button for 5 seconds to activate auto feeding mode, pausing the pump for 10 minutes before restarting.
- **Ultra Quiet & Durable:** Pure copper motor for quiet operation (<30dB). IP68 waterproof design for continuous submersion.
- **Universal Compatibility & High Lift:** Up to 5.9 ft (1.8m) high lift capacity. Includes dual nozzles for various tubing systems. Suitable for freshwater/saltwater tanks, ponds, and water features.
- **Low Water Level Design:** All-around suction at the bottom allows operation in water levels as low as 0.59 inches (1.5 cm), effectively removing dirt.
- **Safety & Energy Saving:** UL-listed fire-resistant cable, 110-240V/50-60Hz input, and 12V DC low-voltage output for safety. Reduces energy costs by approximately 35% compared to AC pumps.

SETUP

1. **Choose Location:** Place the pump in the desired location within your aquarium, pond, or water feature. Ensure it is fully submerged.
2. **Attach Nozzle:** Select the appropriate nozzle (6/8mm or 10/12mm) for your tubing system and securely attach it to the pump's outlet.
3. **Secure Pump:** The pump is equipped with 4 suction cups on the bottom. Press the pump firmly against a clean, smooth surface to secure it in place.
4. **Connect Controller:** Connect the pump's cable to the external controller.
5. **Connect Power:** Plug the power cord into a suitable electrical outlet (110-240V/50-60Hz).



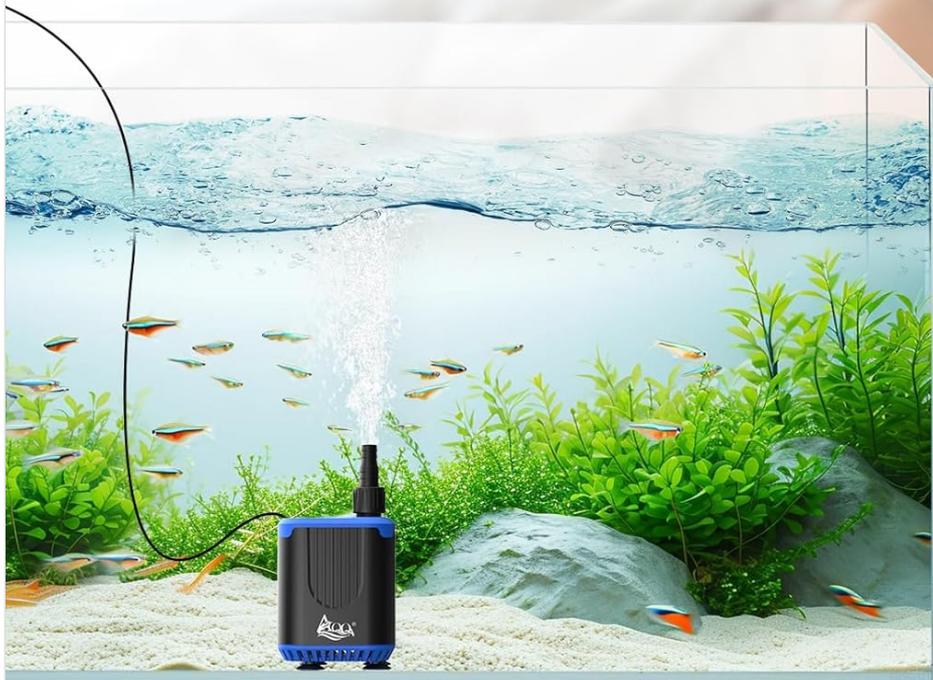
Adjustable Flow Rate



Anti dry burning



Ultra-Quiet



Low noise water pump

≤ 35dB



Image: The AQQA DC Aquarium Water Pump submerged in an aquarium, showing its compact design and the external controller.

Whisper-Quiet Operation for Peaceful Living

High Quality Rotor and Ceramic Shaft Provide You with a Quiet Environment



Image: The pump operating effectively in low water levels, highlighting its all-around suction capability.

OPERATING INSTRUCTIONS

Power On/Off

Press the **ON/OFF** button on the external controller to turn the pump on or off. The indicator lights will illuminate when the pump is active.

Adjusting Flow Rate

The controller allows for 4 levels of flow adjustment. Use the "+" button to increase the flow rate and the "-" button to decrease it. The indicator lights on the controller will show the current flow level.



Image: Close-up of the external controller, detailing the ON/OFF, flow adjustment (+/-), and feed mode buttons with indicator lights.

Feed Mode

To activate the feed mode, hold the **ON/OFF** button for 5 seconds. The pump will pause for 10 minutes, allowing fish to

feed without strong currents. After 10 minutes, the pump will automatically restart at its previous flow setting.

Your browser does not support the video tag.

Video: An official product video demonstrating the features and operation of the AQQA AQ169 DC Water pump with controller, including flow adjustment and feed mode.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

1. **Disconnect Power:** Always unplug the pump from the power outlet before performing any maintenance.
2. **Disassembly:** Gently detach the outlet nozzle and remove the filter cover. The motor and impeller can then be accessed for cleaning.
3. **Cleaning:** Rinse all components under clean water. Use a soft brush or cloth to remove any accumulated debris, algae, or mineral deposits from the impeller, motor housing, and filter cover. Ensure the impeller spins freely.
4. **Reassembly:** Reassemble the pump components in reverse order, ensuring all parts are securely fitted.
5. **Frequency:** Clean the pump regularly, typically once every 2-4 weeks, depending on water conditions and usage.

NO TOOLS REQUIRED EASY TO CLEAN



Image: An exploded view of the pump, illustrating how to disassemble the outlet nozzle, filter cover, and motor for cleaning. No tools are required for this process.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power supply; impeller jammed; motor failure.	Check power connection. Disconnect and clean impeller. If problem persists, contact support.
Reduced flow rate	Impeller or intake clogged; incorrect flow setting; pump not fully submerged.	Clean impeller and intake. Adjust flow rate using controller. Ensure pump is fully submerged.
Pump is noisy	Impeller obstructed or damaged; pump not securely placed; air in pump.	Clean or inspect impeller for damage. Secure pump with suction cups. Ensure pump is fully submerged to remove air.

Problem	Possible Cause	Solution
Pump stops intermittently	Overheating due to dry running or blockage; power fluctuations.	Ensure pump is fully submerged and clear of blockages. Check power supply stability.

SPECIFICATIONS

Specification	Value (Model AQ169)
Brand	AQQA
Model Number	AQ169
Power	15W
Maximum Flow Rate	420 GPH (1600 L/H)
Maximum Lifting Height	5.9 Feet (1.8 Meters)
Input Voltage	110-240V / 50-60Hz
Output Voltage	12V DC
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions (L x W x H)	2.6" x 2.0" x 3.0"
Item Weight	0.7 Pounds
Nozzle Sizes	6/8mm, 10/12mm
Power Cord Length	10.83 ft
Waterproof Rating	IP68

PRODUCT SPECIFICATION



Power	10W	15W	25W
H-Max	3.9ft	5.9ft	7.2ft
Flow Rate	240GPH	420GPH	580GPH
Nozzel Size	0.2inch/0.3inch+0.4inch/0.5inch		
Cord Length	10.83ft	10.83ft	10.83ft
Pump Dimension	1.9*1.4*2.1inches	2.6*2.0*3.0inches	2.6*2.0*3.0inches

Image: A comparison table of product specifications for various AQQA DC water pump models, including power, maximum head, flow rate, nozzle size, cord length, and pump dimensions.

WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your AQQA DC Aquarium Water Pump, please contact the manufacturer directly through their official channels or the retailer where the product was purchased. Please have your model number (AQ169) and purchase details ready.

You can visit the [AQQA Store on Amazon](#) for more information and contact options.

