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Model: HJ-741

1. PRODUCT OVERVIEW

The ZTBH HJ-741 submersible water pump is designed for efficient water circulation in various aquatic environments. It is suitable for applications such as backyard fountains, waterfalls, aquariums, ponds, fish tanks, tabletop fountains, garden statuary, patio drip irrigation systems, and hydroponic systems.



Image 1.1: The ZTBH HJ-741 submersible water pump shown in an aquarium environment, illustrating its typical use case.

Key Features:

- **Power:** 5W
- **Maximum Flow:** 400 L/h

- **Maximum Lift:** 0.8m
- Quick start and high efficiency operation.
- Easy to use and maintain.
- Long service life.
- Detachable and cleanable design, requiring no special tools for disassembly.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating the pump to prevent injury or damage.

- Always disconnect the power supply before performing any maintenance, installation, or cleaning.
- Ensure the pump is fully submerged in water during operation to prevent overheating and damage.
- Do not operate the pump if the power cord or plug is damaged.
- This pump is designed for use with fresh or saltwater. Do not use with flammable or corrosive liquids.
- Keep out of reach of children.
- Ensure the electrical outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for safety.

3. SETUP

Follow these steps to set up your ZTBH HJ-741 submersible water pump:

1. **Unpack and Inspect:** Carefully remove the pump from its packaging and inspect it for any signs of damage.
2. **Attach Outlet Nozzle:** Connect the appropriate tubing or nozzle to the rotating outlet of the pump. Ensure a secure fit to prevent leaks.



Image 3.1: Side view of the ZTBH HJ-741 pump, highlighting the rotating outlet for tubing connection and the water intake area.

3. **Placement:** Place the pump in the desired location within your water feature. Ensure it is fully submerged and positioned stably. The pump is equipped with suction cups on its base for secure attachment to smooth surfaces.



Image 3.2: Two different views of the ZTBH HJ-741 pump, showing its compact design and suction cup feet for stable placement.

4. **Power Connection:** Once the pump is securely placed and submerged, connect the power plug to a suitable electrical outlet.

4. OPERATING INSTRUCTIONS

Operating the ZTBH HJ-741 pump is straightforward:

1. **Start-up:** After ensuring the pump is fully submerged and all connections are secure, plug the pump into the power outlet. The pump should start immediately.
2. **Monitor Flow:** Observe the water flow to ensure it is consistent and meets your requirements.
3. **Water Level:** Always maintain an adequate water level to keep the pump fully submerged. Running the pump dry can cause severe damage and void the warranty.

5. MAINTENANCE

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

1. **Disconnect Power:** Always unplug the pump from the power source before attempting any maintenance.
2. **Disassembly for Cleaning:** The pump is designed for easy disassembly without tools. Gently pull apart the housing components to access the impeller/rotor assembly.



Image 5.1: The rotor component of a submersible pump, which should be regularly inspected and cleaned.

- 3. **Clean Components:** Clean the impeller/rotor, pump housing, and intake screen thoroughly. Remove any debris, algae, or mineral buildup using a soft brush and clean water. For stubborn deposits, a mild vinegar solution can be used, followed by a thorough rinse.
- 4. **Inspect Rotor:** Check the rotor for any signs of wear, cracks, or damage. Replace if necessary.
- 5. **Reassembly:** Reassemble the pump components, ensuring all parts fit correctly and securely.
- 6. **Regular Cleaning Schedule:** The frequency of cleaning depends on the water quality and usage. For aquariums, monthly cleaning is often recommended. For ponds, cleaning may be required more or less frequently based on debris accumulation.

6. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Pump does not start	No power supply	Check power connection and outlet.
	Impeller/Rotor blocked	Disconnect power, clean impeller/rotor.
	Damaged motor	Contact support if motor is damaged.
Low water flow	Clogged intake screen or impeller	Disconnect power, clean intake and impeller.
	Kinked or blocked tubing	Check and clear tubing.
	Insufficient water level	Add water to ensure pump is fully submerged.
Excessive noise	Debris in impeller	Disconnect power, clean impeller.
	Pump not stable	Ensure pump is securely placed on suction cups.
	Running dry	Check water level, ensure full submersion.

7. SPECIFICATIONS

Specification	Value
Model	HJ-741
Brand	ZTBH
Rated Power	5W

Specification	Value
Maximum Flow	400 L/h
Maximum Lift	0.8m
Item Weight	10.6 ounces (300 Grams)
Style	Submersible
Power Source	AC/DC (Battery Powered listed, but typically AC for this type of pump, clarifying as AC/DC based on input)

8. WARRANTY AND SUPPORT

For any product quality issues or questions regarding the use of your ZTBH HJ-741 submersible water pump, please contact the seller directly. They are committed to assisting you with any problems you may encounter.

Please retain your proof of purchase for any warranty claims or support inquiries.

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