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VEVOR 15PBG-6A

VEVOR Hot Water Recirculating Pump (Model 15PBG-6A)

Instruction Manual

1. INTRODUCTION

The VEVOR Hot Water Recirculating Pump is designed to provide instant hot water to your faucets and showers, eliminating the wait for hot water and reducing water waste. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your pump.

Instant Hot Water No More Waiting



Image: The VEVOR Hot Water Recirculating Pump ensures instant hot water delivery, reducing wait times and water waste.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installing or operating the pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Always disconnect power to the water heater and pump before performing any installation, maintenance, or service.

- Ensure the pump is properly grounded to prevent electrical shock.
- Do not operate the pump if the power cord or plug is damaged.
- Installation should be performed by a qualified plumber or electrician in accordance with all local codes and regulations.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves, during installation and maintenance.
- This pump is designed for hot water circulation only. Do not use with flammable, corrosive, or hazardous liquids.
- Ensure adequate ventilation around the pump and water heater.
- Keep children and unauthorized persons away from the installation area.

3. PRODUCT OVERVIEW

Key Features

- **Instant Hot Water:** Delivers hot water quickly with a maximum flow rate of 10.0 GPM and a 21.6 ft head lift, reducing water waste.
- **3-Speed Control:** Adjustable settings (99W/67W/44W) for varying flow rates (2.13/1.69/1.21 m³/h) to balance performance and energy savings.
- **Versatile Applications:** Compatible with various home water systems including floor heating, boilers, solar and electric water heaters, kitchen faucets, radiators, washing machines, and toilets.
- **Durable Construction:** Features a robust cast iron pump head for long-term reliability and resistance to damage.
- **Easy Installation:** Designed for direct mounting at the outlet of indoor tank water heaters without requiring pipe modifications. Not suitable for tankless systems.

Save Energy & Water for Your Entire Home

Ideal for various household water systems



Kitchen



Bathroom

Image: The recirculating pump provides hot water efficiently for various household uses, saving energy and water.

Components

The VEVOR Hot Water Recirculating Pump package includes:

- 1 x Hot Water Recirculating Pump (Model 15PBG-6A)
- 1 x Set of Inlet/Outlet Adapter (NPT 3/4 in to NPT 1/2 in)

- 2 x Sealing Gaskets
- 1 x User Manual
- 1 x PTFE Tape

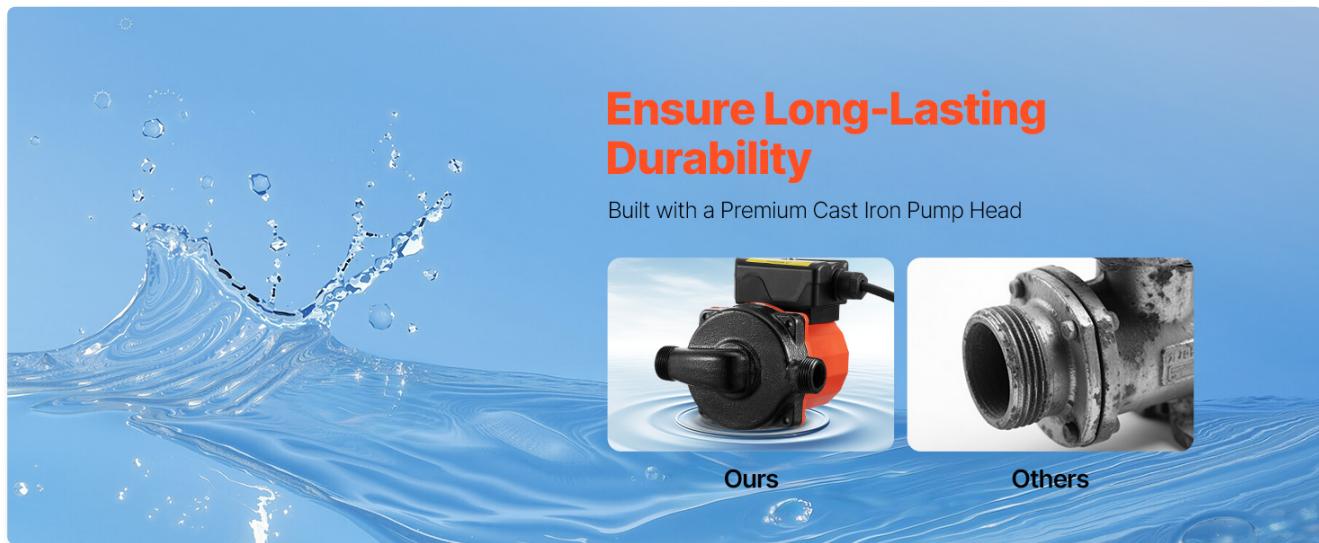


Image: The pump features a durable cast iron head, ensuring long-lasting performance.

4. SPECIFICATIONS

Specification	Value
Item Model Number	15PBG-6A
Voltage & Frequency	AC 110-120V 60Hz
Maximum Flow Rate	10 GPM (38 L/min)
Maximum Head Lift	21.6 ft / 6 m
Rated Power	0.13 HP (99W max)
Inlet/Outlet Size	NPT 3/4 in (with NPT 3/4 in to NPT 1/2 in adapter)
Waterproof Rating	IPX8
Recommended Installation	At the Water Heater Outlet
Color	Orange + Black
Pump Head Material	Cast Iron
Net Weight	4.78 lbs / 2.17 kg
Product Dimensions	5.31 x 5.12 x 5.31 inches (135 x 130 x 135 mm)



Item Model Number: **15PBG-6B**

Voltage & Frequency: **AC 220-240V 50 / 60Hz**

Maximum Flow Rate: **38 LPM**

Maximum Head Lift: **21.6 ft / 6 m**

Rated Power: **100W**

Inlet/Outlet Size: **G3 / 4 in**

Waterproof Rating: **IPX8**

Net Weight: **4.78 lbs / 2.17 kg**

Recommended Installation: **At the Water Heater Outlet**

Color: **Orange + Black**

Pump Head Material: **Cast Iron**

Accessories: **1x PTFE Tape**

1x Set of Inlet / Outlet Adapter (NPT 3 / 4 in to NPT 1 / 2 in)

2 x Sealing Gaskets 1x User Manual

Image: Detailed dimensions and technical specifications of the pump.



Image: Product label showing model and electrical specifications.

5. SETUP AND INSTALLATION

The VEVOR Hot Water Recirculating Pump is designed for easy installation at the hot water outlet of indoor tank water heaters. It is **not** suitable for tankless water heater systems.

Before Installation

- Ensure the water heater is turned off and the power supply is disconnected.
- Close the main water supply valve to your home.
- Drain a small amount of hot water from a nearby faucet to relieve pressure in the hot water line.
- Gather necessary tools: pipe wrench, adjustable wrench, PTFE tape, bucket, and towels.

Installation Steps

1. **Identify Hot Water Outlet:** Locate the hot water outlet pipe on your indoor tank water heater.
2. **Disconnect Pipe:** Carefully disconnect the hot water outlet pipe from the water heater. Be prepared for residual

water.

3. **Prepare Connections:** Apply PTFE tape to the threads of the pump's inlet and outlet, as well as the included NPT 3/4 in to NPT 1/2 in adapters.
4. **Install Adapters:** Attach the appropriate adapters to the pump's inlet and outlet, ensuring the sealing gaskets are properly seated.
5. **Mount Pump:** Connect the pump directly to the hot water outlet of the water heater. Ensure the flow direction arrow on the pump aligns with the direction of hot water flow out of the heater.
6. **Reconnect Piping:** Reconnect the household hot water piping to the pump's outlet.
7. **Secure Electrical:** Connect the pump's power cord to a grounded electrical outlet. Ensure all electrical connections are secure and meet local codes.
8. **Restore Water Supply:** Slowly open the main water supply valve and check all connections for leaks.
9. **Bleed Air:** Open a hot water faucet in your home to allow air to escape the system until a steady stream of water flows.
10. **Restore Power:** Once all connections are secure and leak-free, restore power to the water heater and pump.

Compatible with All Standard Pipes

Suitable for tank water heaters



Image: Installation diagram showing pump connection to a water heater and pipe system.

6. OPERATING INSTRUCTIONS

The VEVOR Hot Water Recirculating Pump features a convenient 3-speed control, allowing you to adjust the flow rate and power consumption according to your needs.

3-Speed Control

Use the switch located on the pump's control box to select one of the three available speeds:

- **Speed 1 (Low Flow):** 44W power consumption, 1.21 m³/h flow rate. Ideal for minimal hot water demand or energy saving.
- **Speed 2 (Medium Flow):** 67W power consumption, 1.69 m³/h flow rate. Suitable for moderate hot water usage.
- **Speed 3 (High Flow):** 99W power consumption, 2.13 m³/h flow rate. Provides maximum hot water circulation for high demand.

Select the speed that best matches your household's hot water requirements and desired energy efficiency.

3-Speed Settings, Meet Different Needs



Morning Wash – Low Flow



Noon Dishwashing – Medium Flow



Evening Shower – High Flow



Image: The 3-speed control allows adjustment of hot water flow for various needs.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your VEVOR Hot Water Recirculating Pump.

- **Inspect for Leaks:** Periodically check all connections for any signs of water leaks. Tighten connections or replace gaskets as needed.
- **Keep Clean:** Ensure the pump and surrounding area are kept clean and free from dust or debris that could obstruct ventilation.
- **Electrical Connections:** Regularly inspect the power cord and electrical connections for any signs of wear or damage.
- **Mineral Buildup:** In areas with hard water, consider periodic flushing or descaling of your hot water system to prevent mineral buildup that could affect pump efficiency.
- **Winterization:** If the pump will be idle for extended periods, especially in freezing temperatures, drain the system completely to prevent damage from freezing water.

8. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Issue	Possible Cause & Solution
Pump does not start	<p>No power: Check power supply, circuit breaker, and electrical connections. Ensure pump is plugged in.</p> <p>Motor seized: Contact VEVOR support or a qualified technician.</p>
Low or no hot water flow	<p>Incorrect speed setting: Adjust to a higher speed (Speed 3 for maximum flow).</p> <p>Air in system: Bleed air from the hot water lines by opening a hot water faucet.</p> <p>Blockage: Check pipes and pump for obstructions or mineral buildup.</p>
Pump is noisy	<p>Air in system: Bleed air from the hot water lines.</p> <p>Loose mounting: Ensure the pump is securely mounted and connections are tight.</p> <p>Internal issue: Contact VEVOR support or a qualified technician.</p>
Water leaks from connections	<p>Loose connections: Tighten all threaded connections.</p> <p>Damaged gaskets/PTFE tape: Replace sealing gaskets or reapply PTFE tape.</p>
Pump runs continuously	This pump model does not have a built-in timer. It will run continuously when powered on. If you require timed operation, an external timer can be used.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact VEVOR support or a qualified technician.

9. WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or to inquire about replacement parts, please visit the official VEVOR Support Center.

VEVOR Support Center: www.vevor.com/support

Manufacturer Address: Sanyen Technology Ltd., Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

10. DISPOSAL

When the VEVOR Hot Water Recirculating Pump reaches the end of its service life, please dispose of it responsibly according to local environmental regulations for electronic waste. Do not dispose of the product with general household waste.