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VEVOR LP60

VEVOR Linear Air Pump LP60 (50W, 70 LPM) Instruction Manual

Model: LP60 | Brand: VEVOR

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your VEVOR Linear Air Pump LP60. This pump is designed for various aeration needs, including fish ponds, septic tanks, hydroponic systems, and aquariums, providing efficient oxygen supply and promoting water circulation. The LP60 model features a maximum flow rate of 1110 GPH (70 LPM), a maximum air pressure of 5.36 PSI, and is suitable for water depths up to 10 feet (3.05 meters). It is engineered for quiet operation and durability with an aluminum alloy housing and IP44 waterproof rating.



Image 1.1: VEVOR Linear Air Pump LP60 highlighting its powerful airflow aeration capabilities.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before operating the pump.
- Ensure the power supply matches the pump's specifications (AC 120V 60Hz).

- Do not operate the pump with a damaged power cord or plug.
- Keep the pump away from flammable materials and extreme temperatures.
- Ensure proper ventilation around the pump to prevent overheating.
- Do not immerse the pump in water. It has an IP44 waterproof rating, meaning it is protected against splashing water, but not submersion.
- Always disconnect the power supply before performing any maintenance or cleaning.
- Keep children and pets away from the operating pump.
- Inspect the pump regularly for any signs of damage or wear.

Outdoor-Ready for Harsh Weather

Durable & Explosion-proof Aluminum Alloy Housing



IP44 Waterproof Rating

Image 2.1: The VEVOR Linear Air Pump LP60 is built with a durable aluminum alloy housing and IP44 rating for outdoor use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x VEVOR Linear Air Pump LP60
- 1 x Air Diffuser (14-outlet)
- 1 x Black Connecting Hose
- 2 x Clamps
- 2 x Diaphragms (replacement parts)
- 1 x User Manual (this document)

Note: Air tubes and air stones are not included and must be purchased separately.

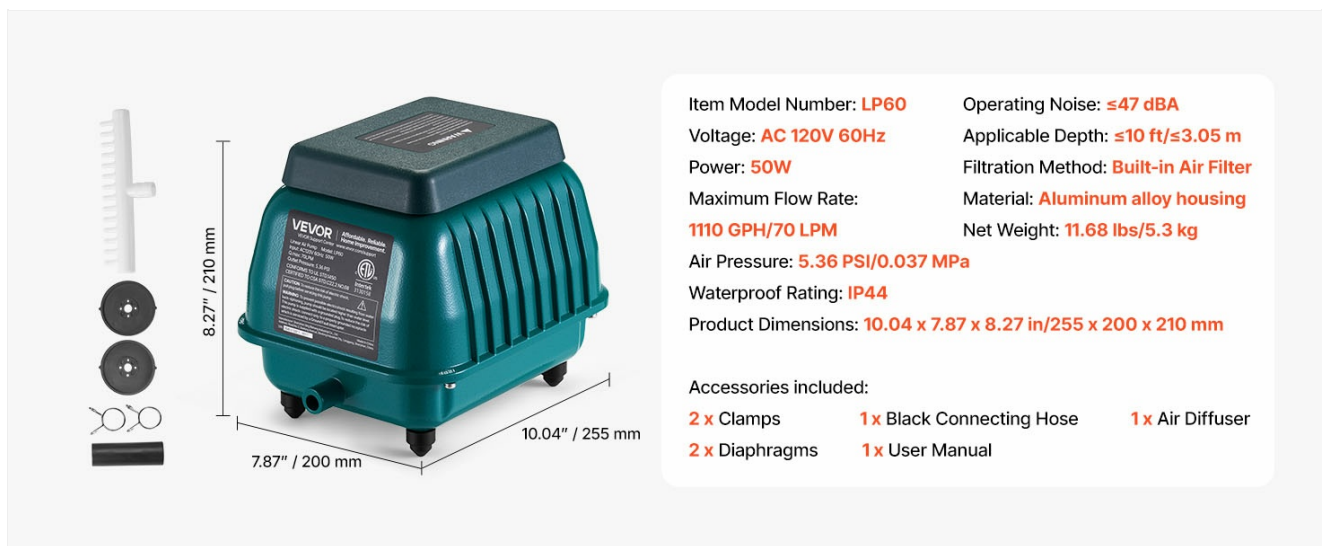


Image 3.1: VEVOR Linear Air Pump LP60 and its included accessories.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your VEVOR Linear Air Pump LP60:

1. **Placement:** Place the air pump on a stable, level surface in a well-ventilated area. Ensure it is protected from direct sunlight and heavy rain, despite its IP44 rating.
2. **Connect Air Diffuser:** Connect the black connecting hose to the air diffuser.
3. **Attach to Pump:** Attach the assembled air diffuser and hose to the pump's air outlet.
4. **Secure Connections:** Use the provided clamps to secure the connections, ensuring no air leaks.
5. **Connect Airline Tubes (Not Included):** If using, connect your own airline tubes to the air diffuser outlets.
6. **Connect Air Stones (Not Included):** Attach air stones to the ends of the airline tubes for optimal bubble diffusion in water.
7. **Power Connection:** Plug the pump into a standard AC 120V 60Hz electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) if used near water.

Three-Step Easy Installation

Quick and Easy Setup



1 Connect the black hose to the air diffuser



2 Attach the components to the pump



3 Snap on the clamp for stability, connect the airline tubes and air stones as needed

Note: Airline tubes and air stones are sold separately

Image 4.1: Step-by-step guide for connecting the air diffuser and hose to the pump.

5. OPERATING INSTRUCTIONS

Once properly installed and connected to power, the VEVOR Linear Air Pump LP60 will begin operating. It is designed for continuous operation to provide consistent aeration.

- **Initial Start-up:** After plugging in, the pump will immediately start producing airflow. Verify that air is flowing through the diffuser and into your application (pond, tank, etc.).
- **Monitoring:** Periodically check the airflow to ensure optimal performance. The pump operates quietly (below 47 dBA), so listen for any unusual noises that might indicate an issue.
- **Application Depth:** The pump is effective for depths up to 10 feet (3.05 meters). Ensure your application's depth is within this range for efficient aeration.

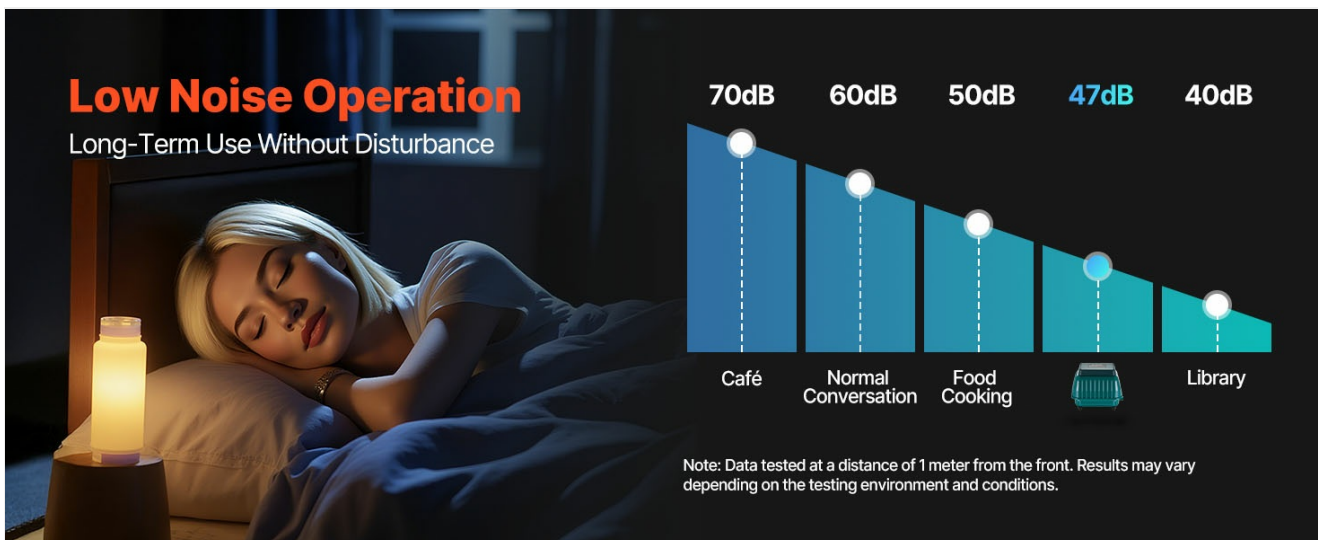


Image 5.1: The VEVOR Linear Air Pump LP60 operates with low noise, suitable for long-term use without disturbance.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air pump.

- **Air Filter Cleaning:** The pump has a built-in inlet filter cotton to reduce noise and dust. Periodically inspect and clean this filter. Disconnect power before accessing the filter. Clean with compressed air or rinse with water and ensure it is completely dry before reinstallation.

- **Diaphragm Replacement:** The diaphragms are wear-and-tear components. If you notice a significant drop in airflow or increased noise, the diaphragms may need replacement. Your package includes two spare diaphragms. Refer to the pump's internal structure diagram (if available in a more detailed manual) for replacement instructions, or contact VEVOR support.
- **Housing Inspection:** Regularly check the aluminum alloy housing for any cracks or damage. Ensure all rubber feet and shock absorbers are intact to maintain quiet operation.
- **General Cleaning:** Keep the exterior of the pump clean and free from debris. Do not use harsh chemicals for cleaning.

Quiet & Efficient Operation

Multi-Layer Denoising Structure



Operating Noise ≤ 47 dBA



Sealed Rubber Gasket



Shock-Absorbing Rubber Buffer



Rubber Feet

Image 6.1: Internal components and features designed for quiet and efficient operation, requiring occasional inspection.

7. TROUBLESHOOTING

If you encounter issues with your VEVOR Linear Air Pump LP60, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Pump does not start or no airflow.	<ul style="list-style-type: none">◦ No power supply.◦ Power cord or plug damaged.◦ Internal component failure.	<ul style="list-style-type: none">◦ Check power connection and outlet.◦ Inspect power cord for damage; replace if necessary.◦ Contact VEVOR customer support.
Low or weak airflow.	<ul style="list-style-type: none">◦ Clogged air filter.◦ Damaged or worn diaphragms.◦ Air leaks in connections.◦ Air stones or tubes are clogged.	<ul style="list-style-type: none">◦ Clean or replace the air filter.◦ Replace diaphragms (use spares provided).◦ Check all hose connections and clamps.◦ Clean or replace air stones/tubes.

Problem	Possible Cause	Solution
Excessive noise or vibration.	<ul style="list-style-type: none"> ◦ Loose components inside the pump. ◦ Worn diaphragms. ◦ Pump not seated correctly on rubber feet. ◦ External vibration. 	<ul style="list-style-type: none"> ◦ Inspect the pump for loose parts (after disconnecting power). ◦ Replace diaphragms. ◦ Ensure pump is stable and rubber feet are intact. ◦ Place pump on a vibration-dampening mat.
Pump overheating.	<ul style="list-style-type: none"> ◦ Insufficient ventilation. ◦ Prolonged operation in high ambient temperatures. ◦ Internal malfunction. 	<ul style="list-style-type: none"> ◦ Ensure adequate space around the pump for airflow. ◦ Relocate pump to a cooler area if possible. ◦ Disconnect power and contact VEVOR support if problem persists.

8. SPECIFICATIONS

Feature	Specification
Item Model Number	LP60
Voltage	AC 120V 60Hz
Power	50W
Maximum Flow Rate	1110 GPH / 70 LPM
Air Pressure	5.36 PSI / 0.037 MPa

Feature	Specification
Waterproof Rating	IP44
Product Dimensions (L x W x H)	10.04 x 7.87 x 8.27 in / 255 x 200 x 210 mm
Net Weight	11.68 lbs / 5.3 kg
Operating Noise	≤ 47 dBA
Filtration Method	Built-in Air Filter
Material	Aluminum alloy housing
Applicable Depth	≤ 10 ft / 3.05 m

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official VEVOR website. Keep your purchase receipt as proof of purchase.

If you require technical assistance, have questions about operation, or need to order replacement parts, please contact VEVOR customer service. Contact details can typically be found on the VEVOR website or on the product packaging.