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VEVOR NMBP1-G1600-01A

VEVOR 1600 GPH Livewell Pump User Manual

Model: NMBP1-G1600-01A

Introduction

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your VEVOR 1600 GPH Livewell Pump. Please read this manual thoroughly before use and retain it for future reference. This pump is designed to provide oxygenation for live bait and fish in marine environments.

Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- Ensure the power supply matches the pump's voltage (12V DC).
- Disconnect power before performing any installation, maintenance, or troubleshooting.
- Do not run the pump dry; this can cause motor damage.
- Ensure all electrical connections are waterproof and properly insulated.
- Keep hands and foreign objects clear of the impeller during operation.
- This pump is designed for water transfer only. Do not use with flammable liquids.

Product Overview

Key Features

- **High Flow Rate:** Delivers up to 1600 Gallons Per Hour (GPH) for efficient oxygenation.
- **Straight Tube Design:** Facilitates flexible mounting on hull bottom or sides.
- **Durable ABS Housing:** Constructed from corrosion-resistant ABS material, suitable for both freshwater and saltwater submersion.
- **Dual Water Inlets:** Allows connection to multiple water sources for enhanced circulation.
- **Versatile Application:** Ideal for livewells on fishing boats, yachts, and recreational vessels.

Components

The VEVOR 1600 GPH Livewell Pump includes:

- 1 x Livewell Pump Unit
- Integrated wiring

- Detachable motor cartridge



Image: The VEVOR 1600 GPH Livewell Pump, showing its main body, wiring, and outlet port.

Specifications

Specification	Value

Brand	VEVOR
Model Number	NMBP1-G1600-01A
Material	Acrylonitrile Butadiene Styrene (ABS)
Style	Submersible Aerator Pump - Straight Tube
Power Source	Corded Electric
Voltage	12 Volts (DC)
Rated Power	108W
Maximum Flow Rate	1600 GPH
Maximum Lifting Height	4.8 meters (15.7 feet)
Water Outlet Diameter	28 mm (1.1 inches)
Inlet Size 1	1" FNPT (Inner Thread, Diameter 29.7 mm)
Inlet Size 2	1/2" NPT (20 mm OD)
Waterproof Grade	IPX7
Product Dimensions (L x W x H)	135 x 110 x 175 mm (5.31 x 4.33 x 6.89 inches)
Net Weight	1.24 kg (2.73 lbs)

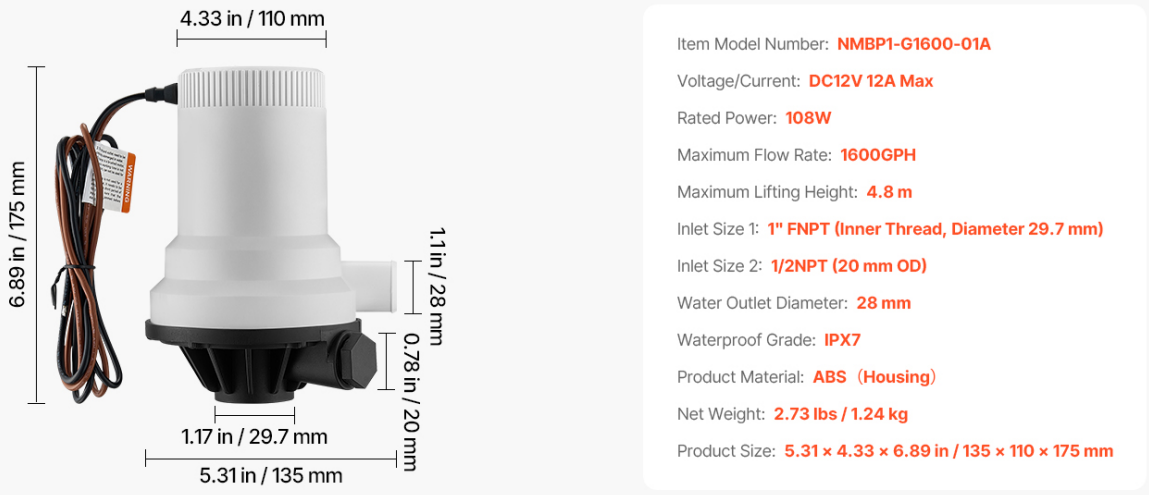

Image: Technical drawing showing the dimensions and key specifications of the livewell pump.

Setup and Installation

The VEVOR 1600 GPH Livewell Pump features a straight tube design for flexible mounting options.

1. **Choose Mounting Location:** Select a suitable location on the hull bottom or side of your boat, ensuring the pump is fully submersible and accessible for maintenance.
2. **Prepare Mounting Surface:** Clean the mounting surface thoroughly.
3. **Secure the Pump:** Use appropriate marine-grade fasteners to securely attach the pump to the chosen location. Ensure the pump is stable and will not vibrate excessively during operation.

4. **Connect Water Inlets:** The pump has dual water inlets. Connect your water supply hoses to the 1" FNPT (inner thread) and/or 1/2" NPT (outer diameter) inlets as required for your livewell system. Ensure all connections are watertight.
5. **Connect Water Outlet:** Attach the outlet hose to the 28mm outlet port. Route the hose to your livewell, ensuring it is free from kinks and obstructions.
6. **Electrical Wiring:**
    - Connect the pump's positive (+) wire (typically brown or red) to a 12V DC fused power source.
    - Connect the pump's negative (-) wire (typically black or blue) to a suitable ground.
    - Ensure all electrical connections are properly crimped, sealed, and protected from water ingress.
    - Install an appropriate fuse (not included) in the positive line to protect the pump and electrical system.
7. **Test Installation:** Before full operation, perform a brief test to check for leaks and proper water flow.



Image: Illustration demonstrating the straight tube design suitable for hull bottom and side mounting.



Image: Close-up view of the pump's ABS housing, emphasizing its moisture-proof and corrosion-resistant construction.

Operating Instructions

Once installed, operating your VEVOR livewell pump is straightforward:

1. **Ensure Submersion:** The pump must be fully submerged in water before activation. Running the pump dry will cause damage.

2. **Activate Power:** Turn on the 12V DC power supply to the pump.
3. **Monitor Flow:** Observe the water flow into your livewell to ensure proper oxygenation. The pump is designed to circulate water at 1600 GPH.
4. **Continuous Operation:** The pump can operate continuously to maintain optimal conditions in your livewell.
5. **Deactivation:** Turn off the power supply to the pump when it is no longer needed.



Image: The livewell pump actively pumping water, illustrating its 1600 GPH flow rate and oxygenation capability.

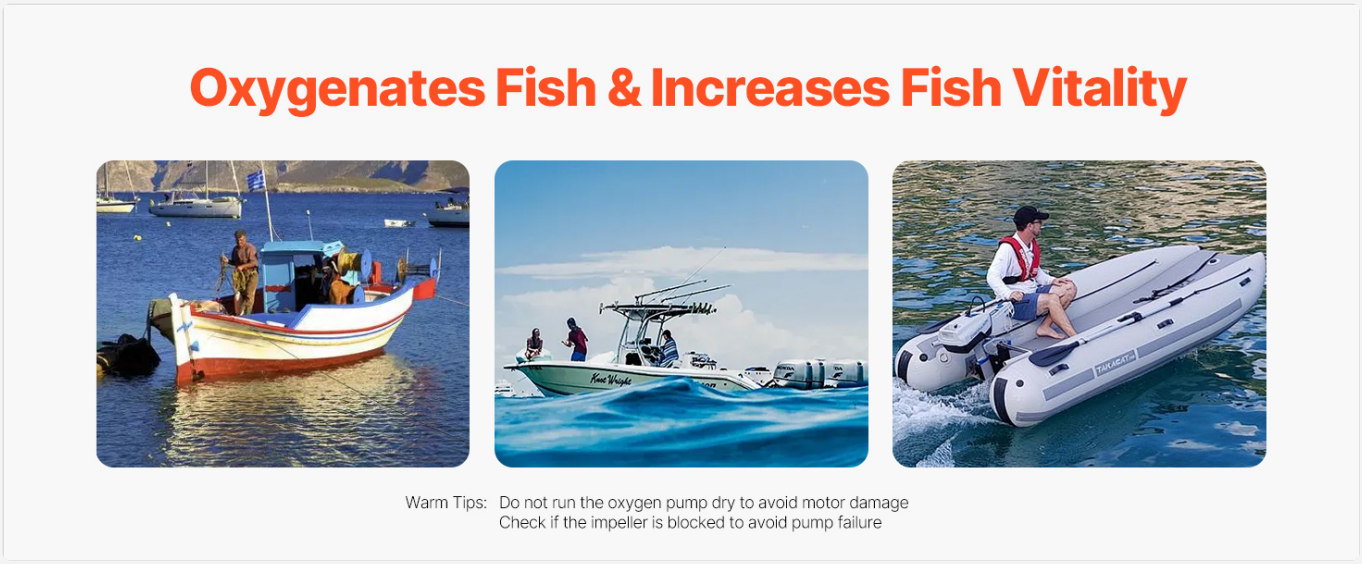

Image: Examples of the livewell pump in use on different types of marine vessels, such as fishing boats and yachts, to oxygenate fish.

Maintenance

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

- **Inspect Regularly:** Periodically check the pump, wiring, and hoses for any signs of wear, damage, or corrosion.
- **Clean Impeller:** If water flow decreases, the impeller may be blocked. Disconnect power, remove the detachable motor cartridge, and clean any debris from the impeller and housing.
- **Check Connections:** Ensure all hose clamps and electrical connections remain tight and corrosion-free.
- **Winterization:** In freezing conditions, remove the pump from the water and store it in a dry, frost-free environment.

Troubleshooting

Problem	Possible Cause	Solution
Pump does not run	No power, blown fuse, loose wiring, faulty switch.	Check power supply, replace fuse, inspect and secure wiring, test switch.
Low water flow	Clogged inlet/outlet, blocked impeller, kinked hose.	Clear obstructions from inlets/outlets, clean impeller, straighten hose.
Pump runs but no water flow	Pump not submerged, air lock, severely blocked impeller.	Ensure pump is fully submerged, prime the pump if necessary, clean impeller.
Excessive noise/vibration	Debris in impeller, loose mounting, worn bearings.	Clean impeller, tighten mounting screws, contact support if bearings are suspected.

Warranty and Support

For warranty information or technical support, please refer to the official VEVOR website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Contact Information:

- Visit the official VEVOR website for support resources.
- Refer to your product packaging for specific customer service contact details.

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