VEVOR Deep Well Submersible Pump Bundle

VEVOR Deep Well Submersible Pump Bundle User Manual

Models: 2HP 37GPM 427ft & 1HP 37GPM 207ft Stainless Steel Water Pumps

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your VEVOR Deep Well Submersible Pump Bundle. This bundle includes two high-quality deep well submersible pumps: a 2HP model and a 1HP model. Both pumps are constructed from durable stainless steel and feature reliable copper motors. Please read this manual thoroughly before using the product and retain it for future reference.

2. Important Safety Information

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury or property damage.

- Ensure the power supply matches the pump's voltage requirements.
- Always disconnect power before performing any installation, maintenance, or repair work.
- Do not operate the pump in flammable or explosive environments.
- Do not run the pump dry. Ensure the pump is fully submerged in water before operation.
- Use appropriate lifting equipment when handling the pump due to its weight.
- All electrical connections must be performed by a qualified electrician and comply with local codes.
- Protect the power cord from sharp objects, heat, and oil.

3. Product Overview and Components

The VEVOR Deep Well Submersible Pump Bundle includes two distinct pumps designed for efficient water extraction from wells, reservoirs, rivers, and other sources. Both pumps are 4-inch diameter units, featuring upgraded waterproof IP68 construction and a 33 ft power cord.

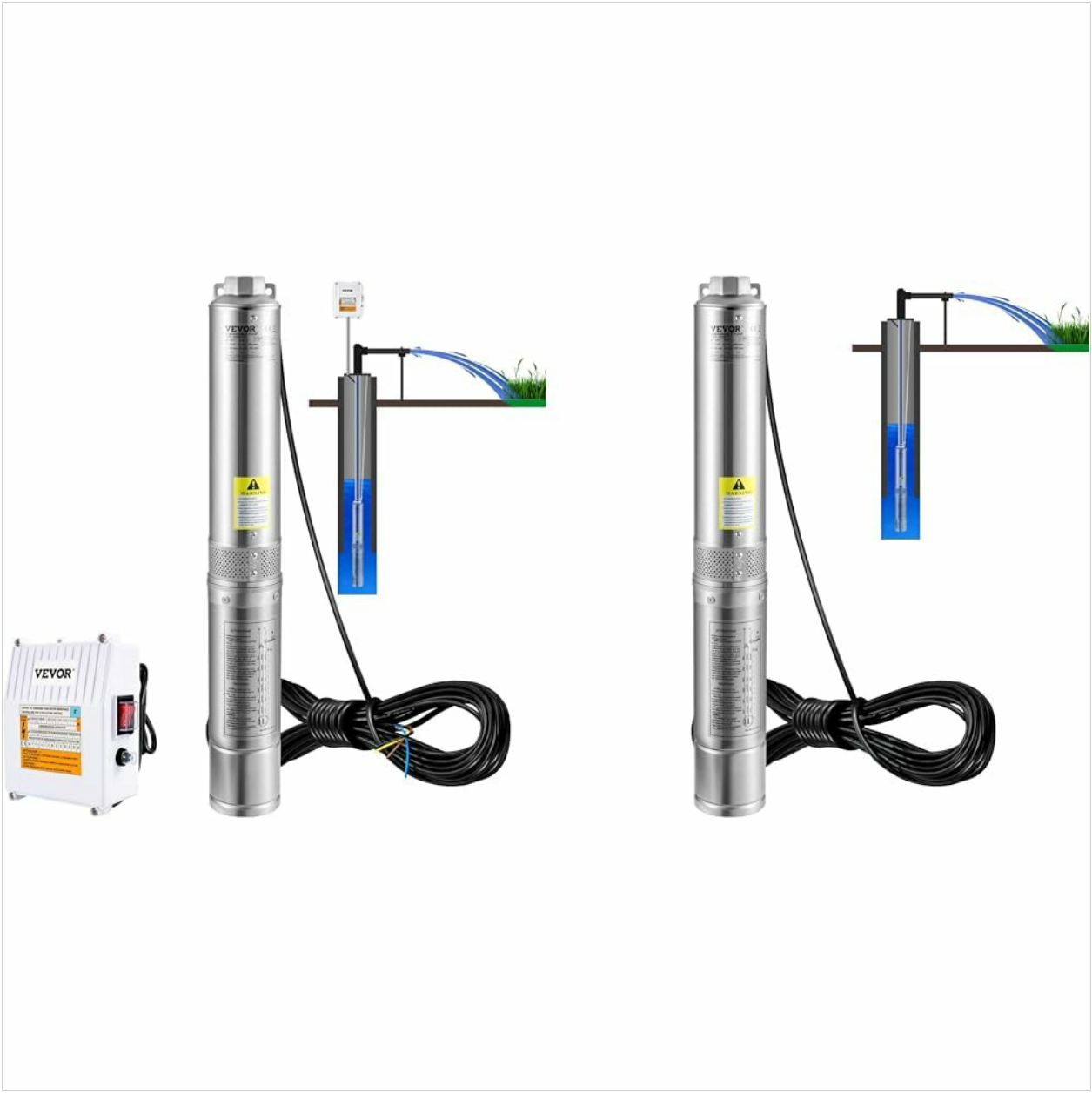

Image: The VEVOR Deep Well Submersible Pump Bundle, illustrating both the 2HP and 1HP submersible pumps along with a control box, ready for installation.

Key Features:

- **Durable Construction:** Both pumps are made of full stainless steel, offering corrosion resistance and longevity.
- **Reliable Motors:** Equipped with copper motors featuring built-in thermal protection to prevent overheating.
- **Integrated Check Valve:** Prevents backflow of water, reducing stress on the pump and piping system.
- **Built-in Filtration:** Designed to block debris and protect the pump's internal components.
- **External Control Box:** Included for convenient operation and protection.

4. Technical Specifications

4.1. 2HP Deep Well Submersible Pump

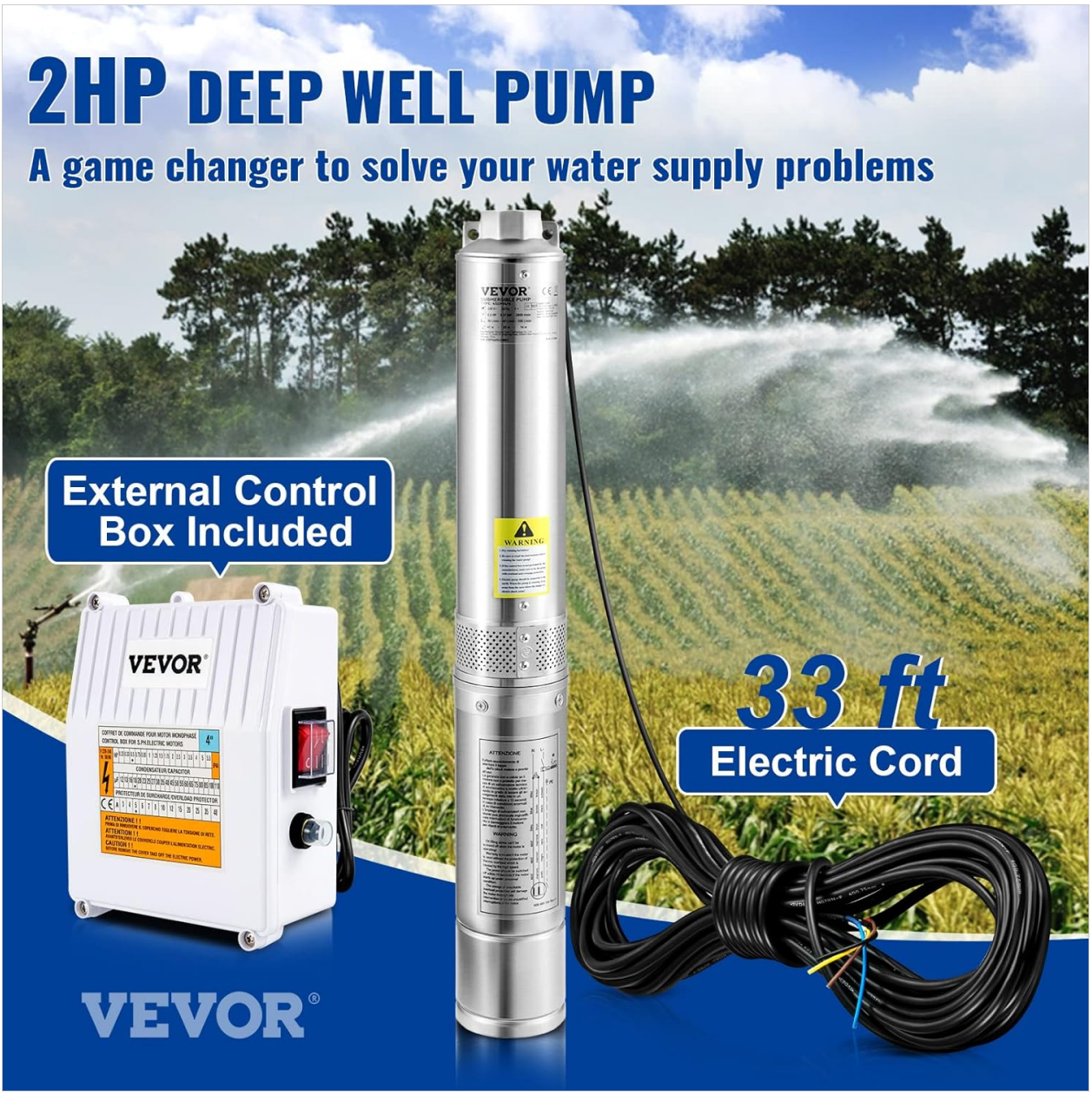

Image: The 2HP VEVOR Deep Well Submersible Pump, shown with its external control box, operating in an agricultural irrigation setting.

Specification	Value
Power	2 HP
Max Flow Rate	37 GPM (8400 L/h)
Max Head Lift	427 ft (130 m)
Impeller Stages	12 (Thermoplastic)
Pump Diameter	4 inches
Material	Stainless Steel
Power Cord Length	33 ft
Waterproof Rating	IP68
Power Source	Corded Electric

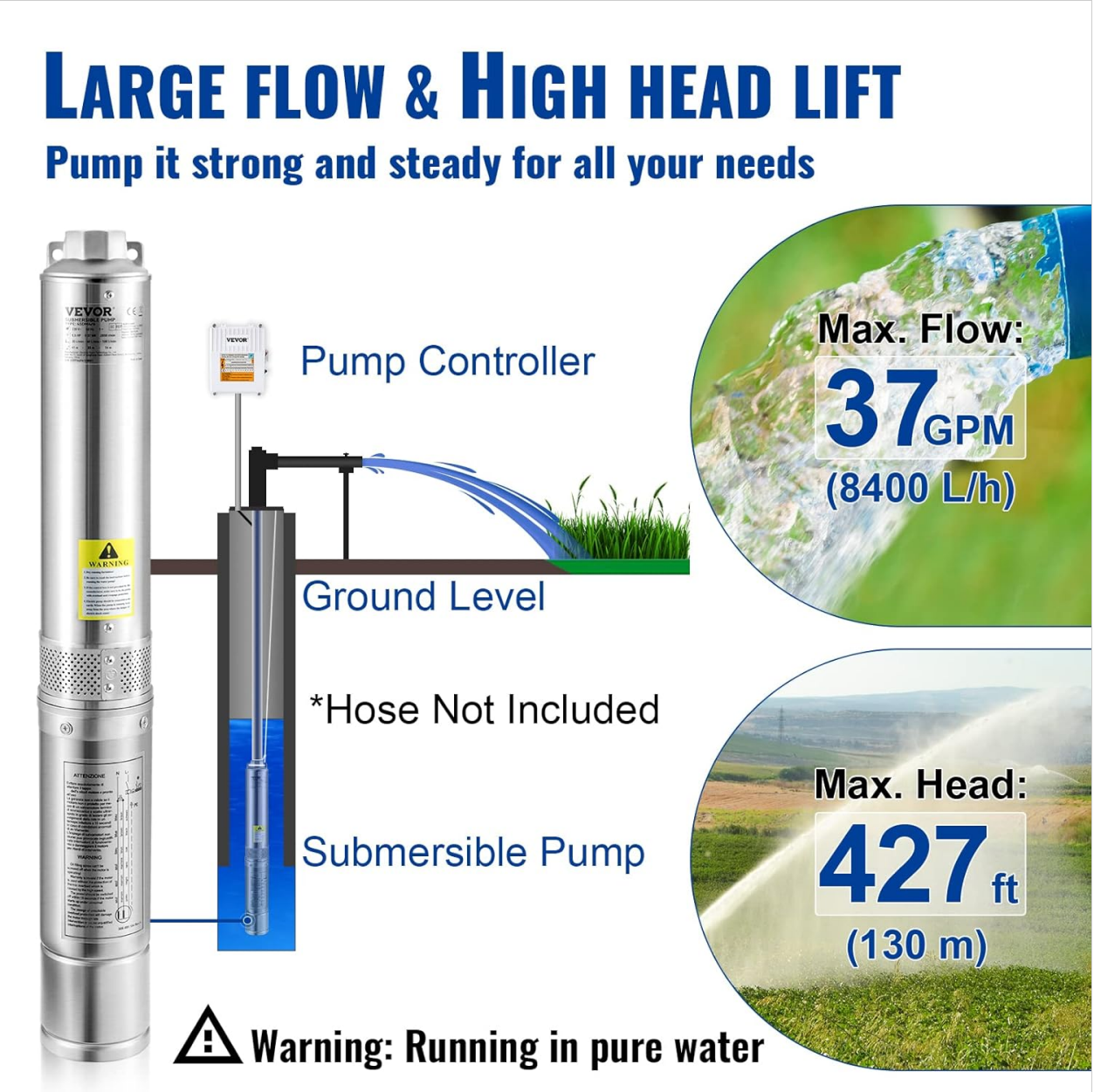

Image: A diagram illustrating the installation of the 2HP submersible pump, highlighting its maximum flow rate of 37 GPM and maximum head lift of 427 feet.

4.2. 1HP Deep Well Submersible Pump

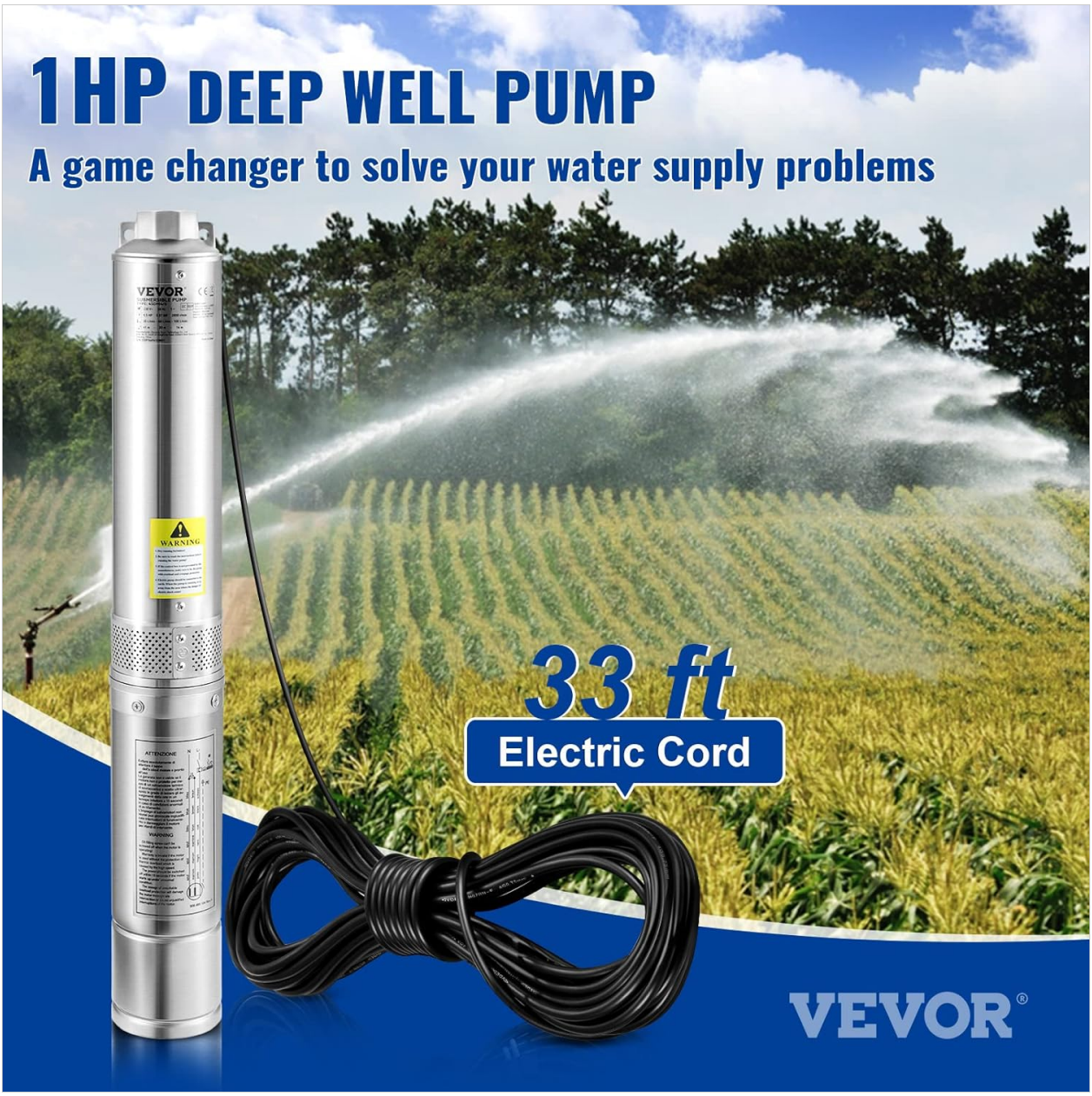

Image: The 1HP VEVOR Deep Well Submersible Pump, shown operating in an agricultural irrigation setting, similar to the 2HP model.

Specification	Value
Power	1 HP
Max Flow Rate	37 GPM (8400 L/h)
Max Head Lift	207 ft (63 m)
Impeller Stages	6 (Thermoplastic)
Pump Diameter	4 inches
Material	Stainless Steel
Power Cord Length	33 ft
Waterproof Rating	IP68
Power Source	Corded Electric

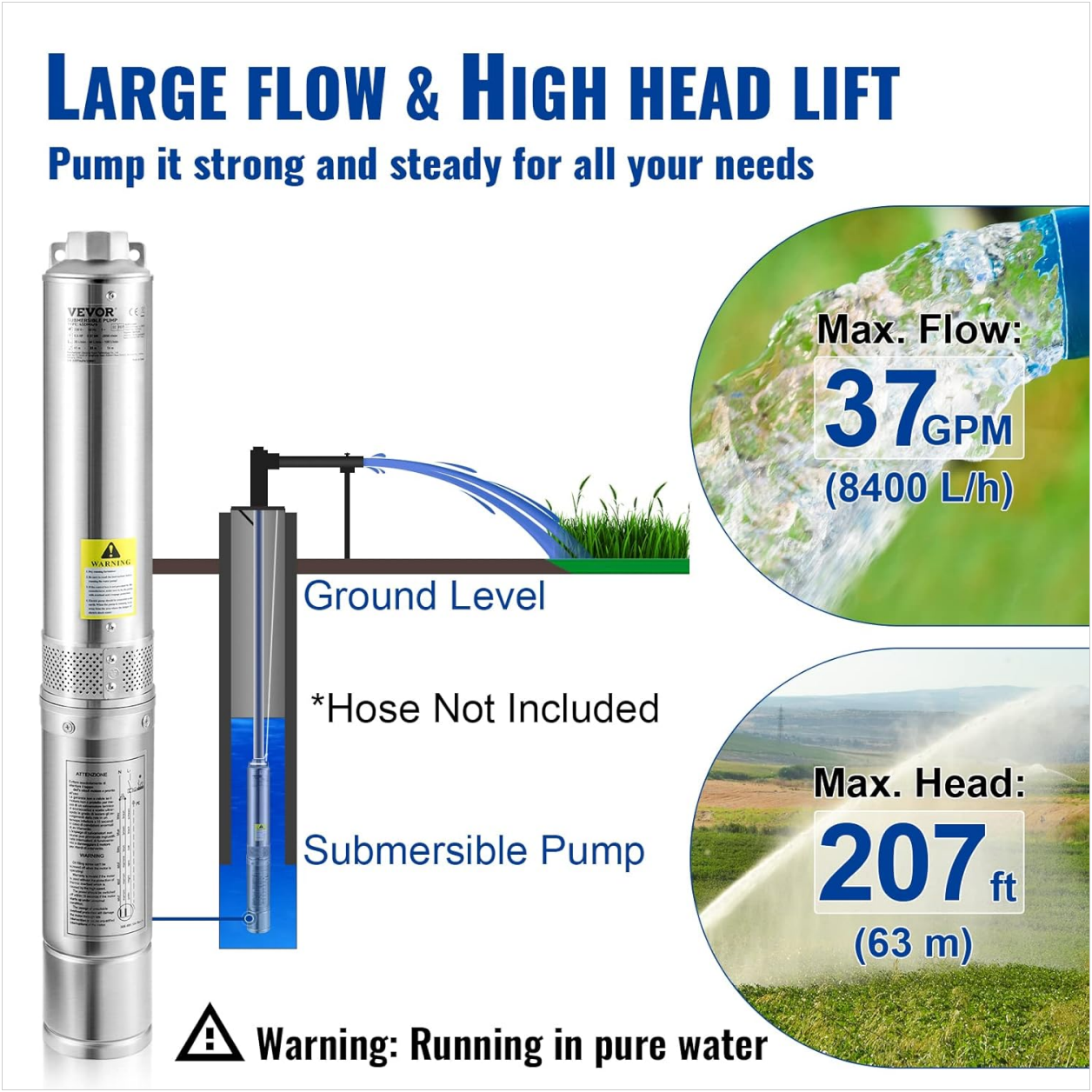

Image: A diagram illustrating the installation of the 1HP submersible pump, highlighting its maximum flow rate of 37 GPM and maximum head lift of 207 feet.

5. Installation and Setup

Proper installation is crucial for the pump's performance and longevity. Consult a qualified professional if you are unsure about any steps.

5.1. Pre-Installation Checks

1. Inspect the pump for any visible damage from shipping.
2. Verify that the well casing diameter is sufficient for the 4-inch pump.
3. Ensure the power supply voltage and frequency match the pump's requirements.
4. Gather all necessary tools and materials, including appropriate piping, wiring, and safety equipment.

5.2. Electrical Connection

The pump comes with a 33 ft power cord and an external control box. All electrical work must comply with local electrical codes.

1. Mount the control box in a dry, accessible location, protected from weather.
2. Connect the pump's power cord to the control box terminals as indicated in the control box wiring diagram.
3. Connect the main power supply to the control box. Ensure proper grounding.
4. Test the electrical connections before submerging the pump.

5.3. Pump Submersion

1. Attach the discharge pipe to the pump outlet. Ensure a watertight seal.
2. Secure a safety rope or cable to the pump's lifting eye to prevent accidental dropping into the well.
3. Carefully lower the pump into the well, ensuring it remains vertical. Do not use the power cable to lower the pump.
4. Ensure the pump is fully submerged and positioned at a suitable depth, typically at least 10-20 feet above the bottom of the well to avoid drawing sediment.
5. Secure the safety rope/cable at the wellhead.

6. Operation

Once installed, operating the VEVOR submersible pump is straightforward.

6.1. Starting the Pump

1. Ensure all connections are secure and the pump is properly submerged.
2. Turn on the main power supply to the control box.
3. Engage the switch on the control box to the 'ON' position. The pump should start operating.
4. Monitor the water flow and pressure to ensure proper function.

6.2. Stopping the Pump

1. Switch the control box to the 'OFF' position.
2. If the pump will not be used for an extended period, disconnect the main power supply.

7. Maintenance

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

7.1. Routine Checks

- Periodically check the control box for any signs of moisture or damage.
- Inspect the power cord for wear, cuts, or fraying.
- Monitor pump performance for any changes in flow rate or unusual noises.

7.2. Cleaning and Inspection

If the pump needs to be pulled from the well:

1. Disconnect all power before retrieving the pump.
2. Carefully lift the pump using the safety rope/cable.
3. Clean any accumulated sediment or debris from the pump's intake screen and exterior.

4. Inspect the impellers for wear or damage.
5. Check all connections and seals for integrity.

7.3. Winterization (for cold climates)

If the pump is installed in an area subject to freezing temperatures and will not be used, it is recommended to:

- Drain all water from the discharge piping to prevent freezing and damage.
- If possible, remove the pump from the well and store it in a warm, dry place.

8. Troubleshooting

This section addresses common issues you might encounter with your VEVOR submersible pump.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped circuit breaker; faulty control box; motor overload.	Check power supply; reset breaker; inspect control box wiring; allow motor to cool if overheated.
Low water flow/pressure	Clogged intake screen; worn impellers; low well water level; pipe leakage.	Clean intake screen; inspect/replace impellers; check well water level; inspect piping for leaks.
Pump runs but no water	Pump not submerged; air lock; faulty check valve; severe pipe blockage.	Ensure pump is submerged; prime the system if possible; check/replace check valve; clear pipe blockage.
Pump cycles frequently	Pressure tank issue; small leak in system; faulty pressure switch.	Check pressure tank air charge; inspect system for leaks; test/replace pressure switch.

If troubleshooting steps do not resolve the issue, contact customer support.

9. Warranty and Customer Support

VEVOR products are designed for reliability and durability. This product is ETL certified with an IP68 waterproof rating, indicating a design for long-term service.
For warranty information, technical assistance, or to report issues, please refer to the contact details provided with your purchase documentation or visit the official VEVOR website. When contacting support, please have your product model and purchase date available.