SHYLIYU 2QGD1-50-0.370V2

SHYLIYU 1/2HP Stainless Steel Submersible Deep Well Pump User Manual

Model: 2QGD1-50-0.370V2

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your SHYLIYU 1/2HP Stainless Steel Submersible Deep Well Pump. Please read these instructions carefully before use and retain them for future reference.

This submersible screw pump is designed for transferring water from deep wells, suitable for various applications including village or family water supply, camping water supply, garden irrigation systems, and farm water supply. Its stainless steel construction ensures durability and corrosion resistance.

2. Important Safety Information

- **Electrical Safety:** Ensure the pump's voltage (220-240V) and frequency (50Hz) are compatible with your local power supply before connection. All electrical connections must be performed by a qualified electrician and comply with local regulations.
- **Do Not Run Dry:** It is strictly prohibited to operate the pump without water. Running the pump dry will cause severe damage to the motor and internal components, voiding the warranty.
- **Proper Installation:** The pump must be fully submerged in water during operation. Ensure the well diameter is sufficient (minimum 2.5 inches recommended) to allow for proper installation and water flow around the pump.
- **Secure Placement:** Always secure the pump with a strong rope or cable during installation and removal to prevent it from falling into the well.
- **Cable Protection:** Protect the power cable from sharp edges, heat, and oil. Do not use the power cable to lift or lower the pump.
- **Maintenance:** Disconnect the power supply before performing any maintenance or inspection.

3. Package Contents

Upon opening the package, verify that all components are present and undamaged:

- 1 x SHYLIYU Deep Well Pump (Model 2QGD1-50-0.370V2)

- 1 x Black Circle Cable (15m / 49ft) with EU plug
- 1 x User Manual (this document)



Image 3.1: SHYLIYU Submersible Deep Well Pump with power cable and EU plug.

4. Technical Specifications

Feature	Specification
Model	2QGD1-50-0.370V2
Voltage	220-240V
Frequency	50Hz
Power	0.37KW (0.5HP)
Max. Head	55m (180ft)
Max. Flow Rate	1m³/h (4 GPM)
Speed	2850 r/min
Outlet Diameter	1/2 inch
Pump Body Diameter (OD Pipe)	2 inch
Minimum Well Diameter	Greater than 53 mm (approx. 2.08 inches), 2.5 inches or more recommended
Cable Length	15m (49ft)
Plug Type	EU Plug
Material	Stainless steel 201 body, SS304 outlet, 100% copper motor wire, oil motor, SS and rubber screw
Product Dimensions (L x W x H)	2" x 2" x 24"
Item Weight	13.22 Pounds



Image 4.1: Pump specification label showing model, voltage, power, and other details.

5. Installation and Setup

Proper installation is crucial for the pump's performance and longevity. Follow these steps carefully:

1. **Well Preparation:** Ensure your well has a minimum diameter greater than 53 mm (approximately 2.08 inches). A well diameter of 2.5 inches or more is recommended for easier installation and to prevent the pump from getting stuck.
2. **Attach Discharge Pipe:** Connect a suitable discharge pipe (1/2 inch) to the pump's outlet. Use appropriate thread sealant to ensure a watertight connection.
3. **Secure the Pump:** Attach a strong, non-corrosive rope or safety cable to the designated eyelets on the pump head. This cable will be used to lower and retrieve the pump, and to secure it at the desired depth. **Do not use the electrical cable for this purpose.**
4. **Lower the Pump:** Carefully lower the pump into the well using the attached rope/cable. Ensure the pump is fully submerged and positioned above the bottom of the well to avoid drawing in sediment. The water inlet is located on the side of the pump body.

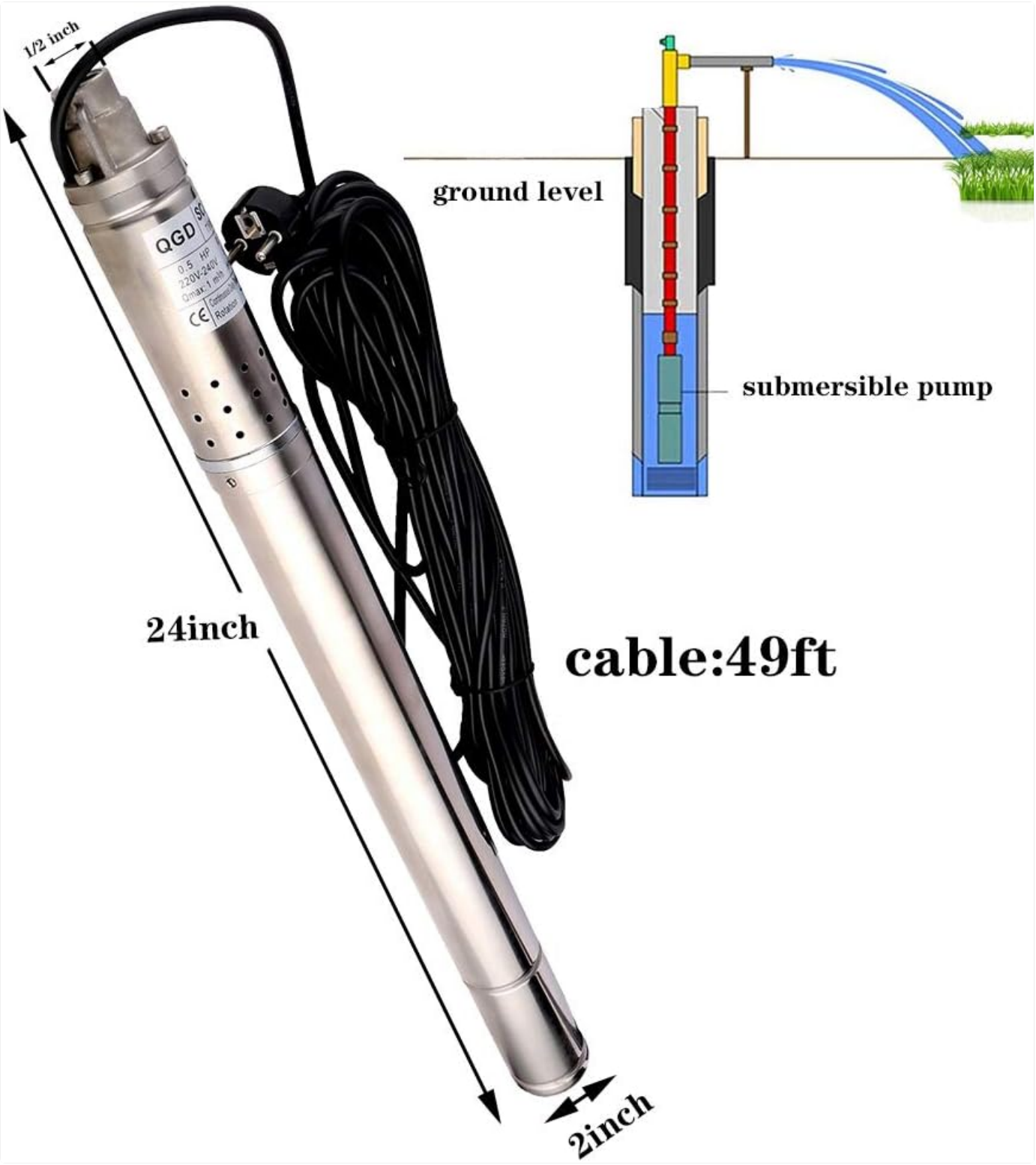


Image 5.1: Diagram illustrating the submersible pump installation in a well, showing dimensions and ground level.

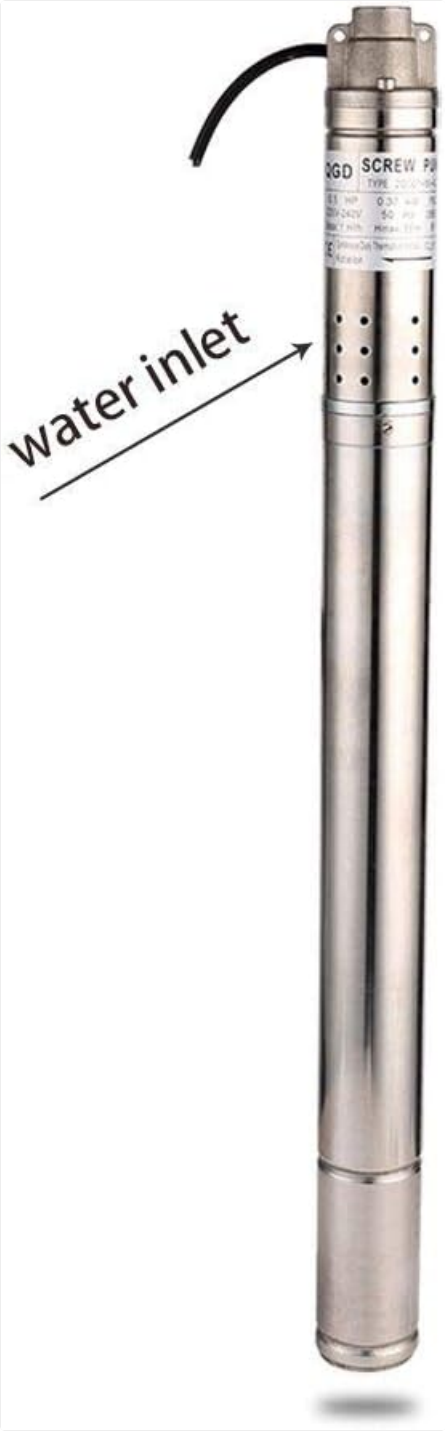


Image 5.2: The pump body with an arrow indicating the water inlet.

5. **Electrical Connection:** Connect the pump's EU plug to a compatible 220-240V/50Hz power outlet. It is highly recommended to install a circuit breaker and ground fault circuit interrupter (GFCI) for safety. Ensure the power supply is off before making any connections.
6. **Check for Leaks:** Once installed, turn on the power and observe for any leaks in the discharge pipe connections.

Installation Video

Video 5.1: Official video demonstrating the SHYLIYU 2-inch submersible deep well pump. This video provides a visual overview of the pump and its components, which can aid in understanding the installation process.

6. Operation

1. **Initial Start-up:** After installation, ensure the pump is fully submerged in water. Connect the power plug to the appropriate electrical outlet. The pump will start operating.

2. **Continuous Operation:** The pump is designed for continuous duty. Monitor the water discharge to ensure consistent flow.
3. **Shutting Down:** To stop the pump, simply disconnect it from the power supply.
4. **Avoid Dry Running:** Never allow the pump to operate without water. This will cause overheating and permanent damage. If the water level in the well drops below the pump's inlet, immediately disconnect the power.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your pump.

- **Periodic Inspection:** Periodically inspect the pump and power cable for any signs of damage, wear, or corrosion.
- **Clean Inlet Screen:** If the pump's flow rate decreases, it may indicate a clogged inlet screen. Disconnect power, retrieve the pump, and carefully clean any debris from the water inlet holes.
- **Check Connections:** Ensure all pipe connections remain tight and free of leaks.
- **Storage:** If the pump will not be used for an extended period, especially in freezing conditions, remove it from the well, drain all water, clean it thoroughly, and store it in a dry, frost-free location.

8. Troubleshooting

Before attempting any repairs, always disconnect the pump from the power supply.

Problem	Possible Cause	Solution
Pump does not start	No power supply Faulty electrical connection Motor overheating protection activated	Check power outlet and circuit breaker Inspect cable and connections Allow pump to cool down, then restart
Low water flow or no water	Water level too low Clogged inlet screen Air in the system Leak in discharge pipe	Check well water level Clean pump inlet screen Ensure pump is fully submerged and prime if necessary Inspect and seal pipe connections
Pump runs but no water is discharged	Pump not fully submerged Discharge pipe blocked Check valve stuck closed	Ensure pump is below water level Check for obstructions in the pipe Inspect or replace check valve
Pump stops unexpectedly	Overheating (due to dry running or overload) Power interruption	Disconnect power, check water level, allow to cool Check power supply

9. Warranty and Support

This SHYLIYU pump comes with a**one-year warranty** from the date of purchase. The warranty covers manufacturing defects under normal use conditions.
Please Note: Defects or damages resulting from improper installation, misuse, negligence, unauthorized modifications, or operation without water (dry running) are not covered under this warranty.
For technical support, warranty claims, or spare parts, please contact your retailer or the manufacturer directly with your purchase details and model number.

© 2026 SHYLIYU. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question