SHYLIYU 3QGD1.2-0.37KWV0

SHYLIYU 3QGD1.2-0.37KWV0 Submersible Deep Well Pump User Manual

Model: 3QGD1.2-0.37KWV0 | Power: 0.37KW (0.5HP) | Voltage: 220V/60Hz

1. Important Safety Information

Read and understand all safety instructions before installing, operating, or performing maintenance on this pump. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Electrical Safety:** Ensure the power supply matches the pump's voltage (220V/60Hz). All electrical connections must be performed by a qualified electrician and comply with local codes. Always disconnect power before servicing.
- **Water Immersion:** This pump is designed for submersible use only. Never operate the pump dry (without water), as this will cause severe damage and void the warranty.
- **Installation:** Ensure the well diameter is sufficient (at least 3.5 inches) for proper installation and cooling. Securely attach the pump using a strong rope or cable.
- **Handling:** Do not lift the pump by its electrical cable. Use a strong rope or lifting device attached to the pump's designated lifting points.
- **Children and Pets:** Keep children and pets away from the pump and its operating area.
- **Chemicals:** Do not use the pump to transfer flammable, corrosive, or explosive liquids.

2. Product Overview

The SHYLIYU 3QGD1.2-0.37KWV0 is a stainless steel submersible screw pump designed for deep well applications. It features a hermetically sealed motor and is suitable for various water lifting tasks in industrial, agricultural, and domestic settings.

2.1 Key Features

- Stainless steel construction for durability.
- High efficiency, thermally protected motor.
- Integrated check valve (unsealed type).
- Suitable for wells with a minimum diameter of 3.5 inches.
- Equipped with a 15m (49ft) power cable.

2.2 Package Contents

- 1 x SHYLIYU 3QGD1.2-0.37KWV0 Deep Well Pump
- 1 x Outlet Connector (1 inch)
- 1 x 15m (49ft) Power Cable (attached to pump)
- 1 x User Manual (this document)

2.3 Product Components



Figure 1: Labeled components of the submersible pump, showing the 1-inch water outlet and water inlet. Note the warning: Do Not Run Without Water.

The pump consists of a stainless steel body, a motor, a screw impeller, a 1-inch water outlet, and a water inlet with a filtration system.

3. 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.

3.1 Pre-Installation Checks

- Verify that the well diameter is at least 3.5 inches to accommodate the pump's 3-inch OD.
- Ensure the power supply (220V/60Hz) is available and properly grounded.
- Inspect the pump for any visible damage from shipping.
- Prepare a strong, non-corrosive rope or stainless steel cable to suspend the pump. **Do not use the electrical cable for suspension.**

3.2 Connecting the Discharge Pipe

1. Attach the supplied 1-inch outlet connector to the pump's discharge port.
2. Connect your discharge pipe (steel pipe, hose, or plastic pipe, depending on pressure requirements) to the outlet connector. Ensure a watertight seal using appropriate thread sealant or clamps.

3.3 Suspending the Pump

1. Securely attach a strong rope or stainless steel cable to the designated lifting eyelets on the top of the pump.
2. Slowly lower the pump into the well, ensuring it remains vertical and does not snag on any obstructions.
3. Position the pump so that the water intake is sufficiently submerged below the lowest expected water level, but also at least 1-2 feet above the bottom of the well to avoid drawing in sediment.
4. Secure the suspension rope/cable at the top of the well.

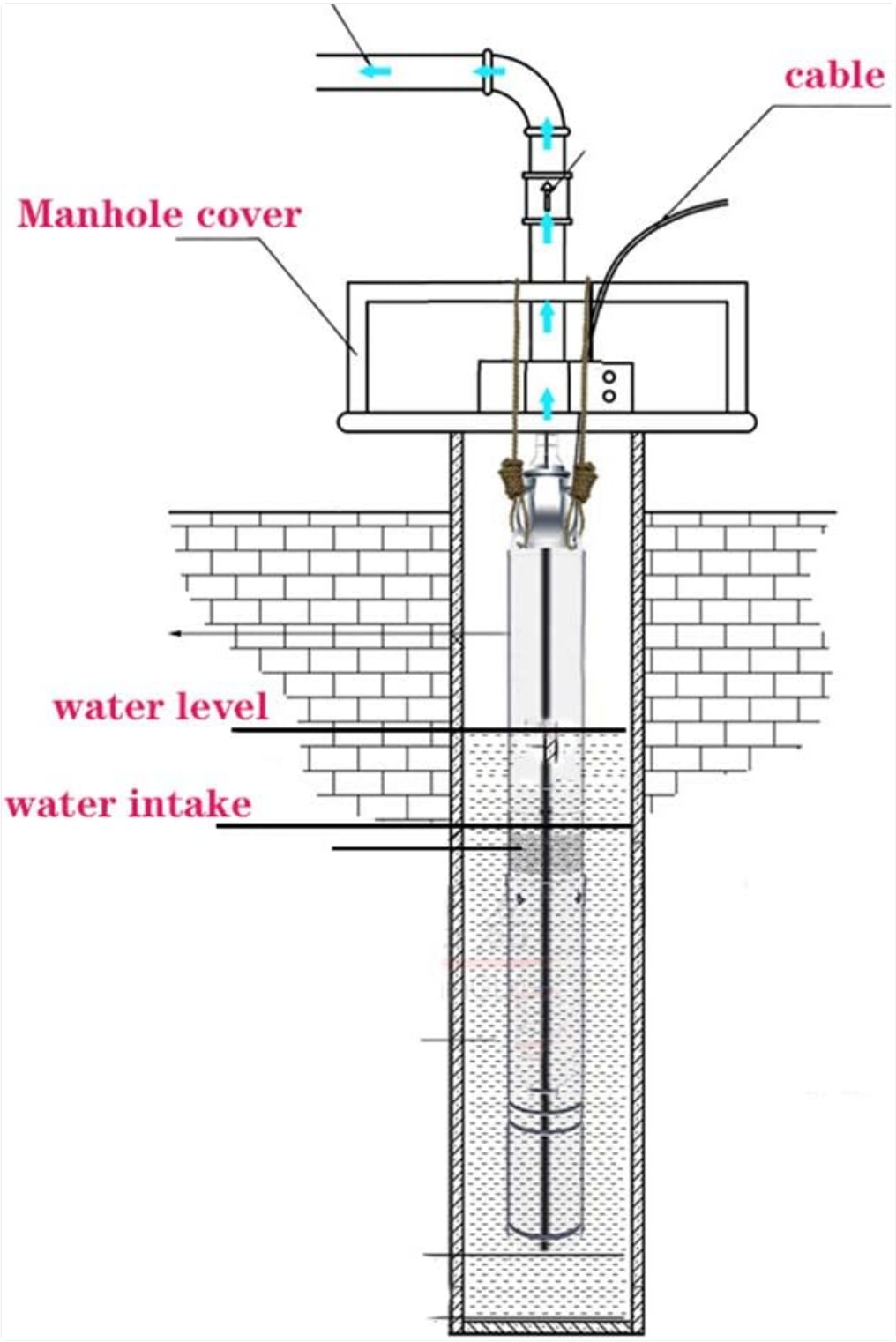


Figure 2: Typical deep well installation, showing the pump suspended below the water level with the cable and discharge pipe routed to the surface.

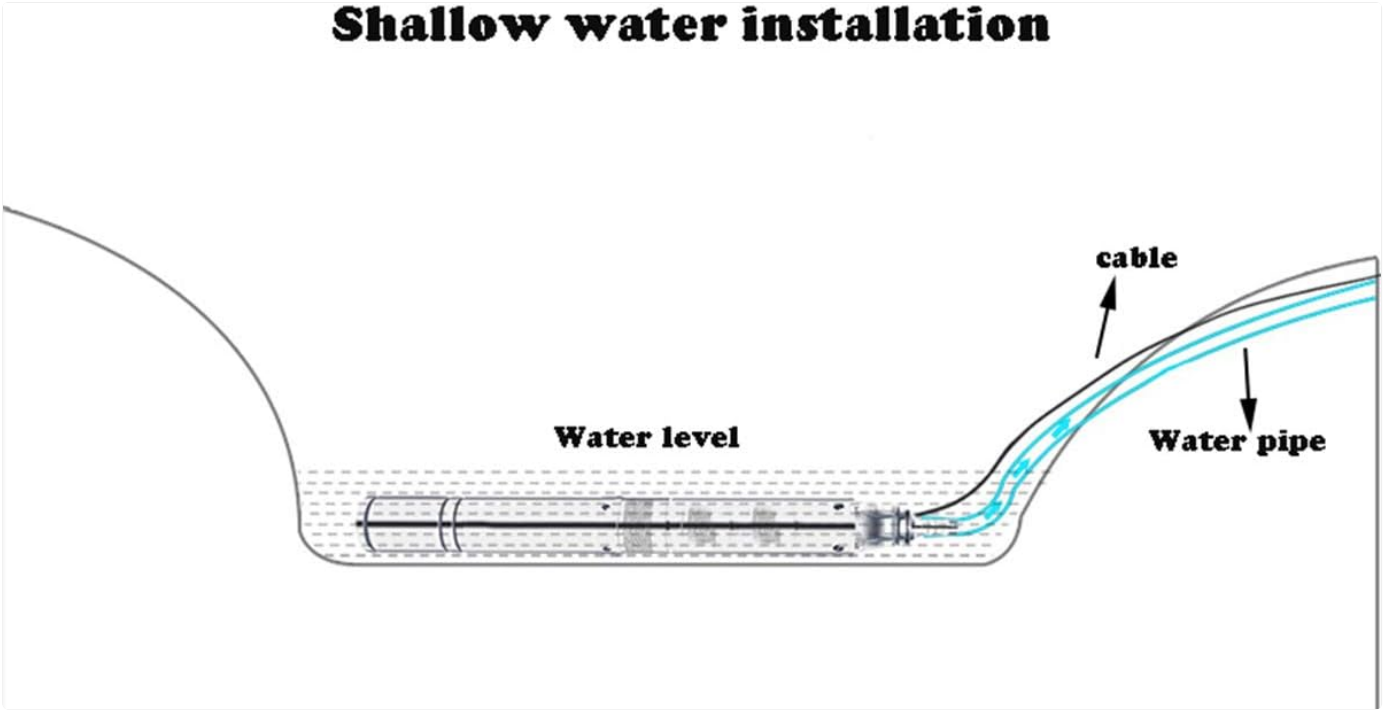


Figure 3: Example of shallow water installation, where the pump is submerged horizontally in a body of water.

3.4 Electrical Connection

The pump comes with a 15m (49ft) cable. For 220V/60Hz operation, this pump typically requires direct wiring. A qualified electrician should perform the electrical connection to a dedicated circuit with appropriate overcurrent protection.

- Ensure the power is OFF at the main breaker before making any connections.
- Connect the pump's power cable to the appropriate 220V/60Hz power source, following local electrical codes.
- Ensure all connections are waterproof and properly insulated, especially if they are below ground or exposed to moisture.

4. Operating Instructions

1. **Initial Start-up:** After installation, ensure the pump is fully submerged in water. Turn on the power supply. The pump should start pumping water.
2. **Continuous Operation:** The pump is designed for continuous operation as long as it remains submerged. Monitor water output and pressure.
3. **Avoid Dry Running:** Never operate the pump without water. Dry running will cause the motor to overheat and damage the pump components, leading to premature failure.
4. **Monitoring Water Level:** If the water level in the well drops below the pump's intake, turn off the pump immediately to prevent dry running.

5. Maintenance

Regular maintenance helps ensure the longevity and efficient operation of your pump.

- **Regular Inspection:** Periodically check the pump's performance. Listen for unusual noises or vibrations.
- **Cable Inspection:** Inspect the power cable for any signs of damage, fraying, or insulation degradation. Replace if necessary.
- **Cleaning:** If the water source contains significant sediment, the pump's intake screen may become clogged. If performance decreases, the pump may need to be retrieved and the intake screen cleaned.
- **Winterization:** In freezing climates, if the pump is installed in a shallow well or pond that may freeze, it should be

removed and stored in a frost-free location to prevent damage.

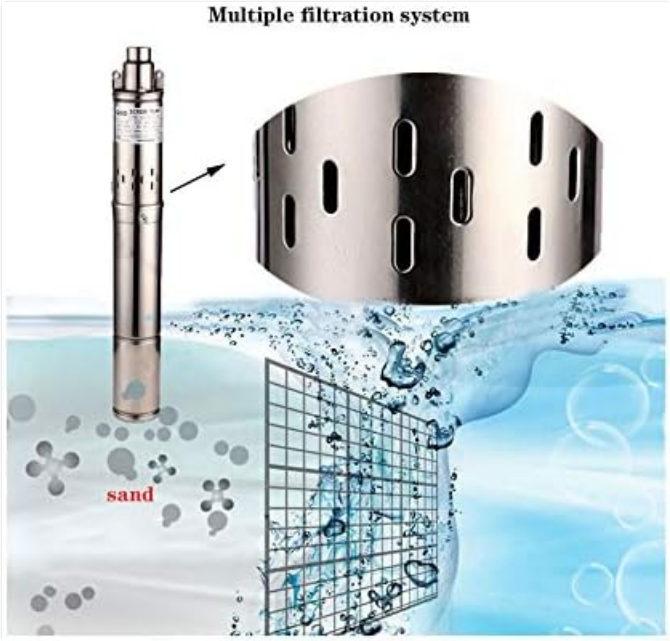


Figure 4: Illustration of the pump's multiple filtration system, designed to prevent sand and debris from entering the pump mechanism.

6. Troubleshooting

This section provides solutions to common issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Pump does not start	No power; tripped breaker; faulty wiring; motor seized.	Check power supply and breaker. Verify electrical connections. If motor is seized, pump may require professional service or replacement.
Pump runs but no water output	Pump not submerged; clogged intake screen; air lock; discharge pipe blockage.	Ensure pump is fully submerged. Clean intake screen. Check for blockages in the discharge pipe.
Low water pressure/flow	Partially clogged intake; worn impeller; low well water level; pipe leaks.	Clean intake screen. Check well water level. Inspect discharge pipes for leaks. Worn impeller may require professional service.
Pump cycles frequently	Leaking check valve; pressure tank issue (if applicable); small leak in system.	Inspect check valve. Check pressure tank settings and bladder. Inspect entire water system for leaks.
Unusual noise or vibration	Debris in pump; worn bearings; pump rubbing against well casing.	Retrieve pump and inspect for debris. Ensure pump is suspended centrally in the well. Contact support if noise persists.

7. Specifications

Parameter	Value
Model	3QGD1.2-0.37KWV0

Parameter	Value
Brand	SHYLIYU
Voltage	220V
Frequency	60Hz
Power	0.37KW (0.5HP)
Maximum Head	80m (262ft)
Maximum Flow Rate	1.8m³/h (8 GPM)
Outlet Diameter	1 inch
Pump OD (Outer Diameter)	3 inch
Recommended Well Diameter	> 3.5 inch
Cable Length	15m (49ft)
Material	Stainless Steel
Item Weight	7 kg (15.4 lbs)
Product Dimensions (L x W x H)	22.05" x 3.15" x 3.15"

8. Warranty and Support

For warranty information, please refer to the purchase documentation or contact your retailer. SHYLIYU products are typically covered by a manufacturer's warranty against defects in materials and workmanship.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact SHYLIYU customer service through their official channels or your point of purchase.

Online Support: Visit the official SHYLIYU store on Amazon for product information and support:SHYLIYU Store

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

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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