

FOTING FT-JGP110037C

FOTING 1.5HP Shallow Well Pump with Pressure Tank Instruction Manual

Model: FT-JGP110037C

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your FOTING 1.5HP Shallow Well Pump with Pressure Tank, model FT-JGP110037C. This jet pump with a 20L pressure tank is designed to boost home water pressure or function as a garden sprinkler pump. It is also suitable for irrigation in farmlands and backyards, domestic wells, water towers, and providing water for solar systems on higher floors. Please read all instructions carefully before installation and use.

2. SAFETY INFORMATION

- **Read the Manual:** Before operating or installing this pump, read all manual instructions and follow all safety rules and operating instructions.
- **Liquid Compatibility:** Do not use the pump for salt water, chemical, or acid liquids, as this may significantly reduce the lifetime of the pump.
- **Electrical Safety:** Ensure the pump is connected to a properly grounded electrical outlet. Do not operate with damaged cords or plugs.
- **Overheating Protection:** The pump is equipped with thermal overload protection, which automatically shuts off the pump if it detects dry running or overheating.
- **Water Immersion:** While the pump is designed for outdoor use, avoid submerging the entire system. Ensure electrical components remain dry.

3. PRODUCT FEATURES AND COMPONENTS



Figure 3.1: FOTING 1.5HP Shallow Well Pump with Pressure Tank, highlighting its use for garden irrigation. Features a maximum height lift of 164ft, maximum suction height of 23ft, and a maximum flow rate of 1340 GPH.



Figure 3.2: Detailed view of the pump's components, including the 1" NPT Outlet, 1" NPT Intake, High Pressure Soft Tube, Pressure Gauge, Mechanical Pressure Switch, Stable Base, Start Waterproof Cover, and 5-Gallon Pressure Tank.



Figure 3.3: Close-up of key features: the built-in pressure gauge for real-time observation, the mechanical pressure switch (Auto On <1.5bar, Auto Off >3.0bar), and the thermal overload protection for safety.

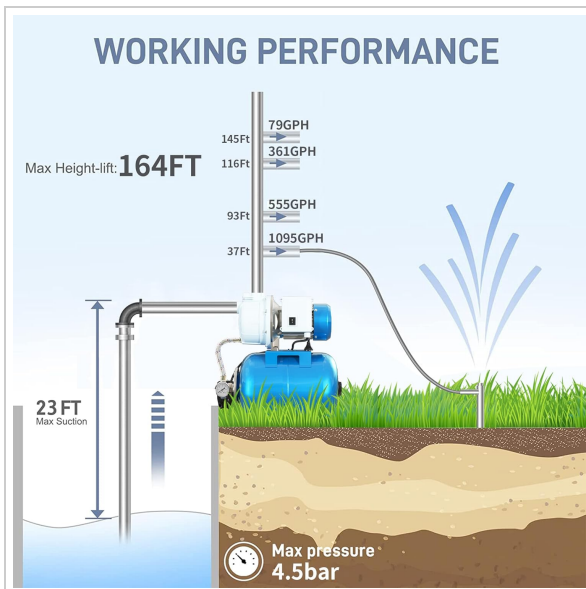


Figure 3.4: Diagram illustrating the pump's working performance, showing maximum height lift of 164ft, maximum suction of 23ft, and flow rates at various heights (e.g., 1340GPH at 0ft, 79GPH at 145ft).

4. SETUP AND INSTALLATION

- 1. Placement:** Position the pump on a stable, level surface. Ensure it is protected from direct weather exposure if not rated for full outdoor exposure.
- 2. Connect Pipes:** Connect the inlet pipe to the 1" NPT Intake and the outlet pipe to the 1" NPT Outlet. Ensure all connections are tight and sealed to prevent leaks. The pump includes one adapter; additional adapters may be required for specific hose sizes.
- 3. Priming the Pump:** Before initial operation, the pump must be primed. Remove the prime plug (usually located on top of the pump head) and add water until the pump casing is completely filled. Replace the prime plug securely.
- 4. Electrical Connection:** Plug the power cord into a suitable 115V/60HZ grounded electrical outlet.

[REDACTED]

Video 4.1: This video demonstrates the priming process for the FOTING Shallow Well Pump. It shows how to remove the prime plug, fill the pump with water, and secure the plug before operation.

[REDACTED]

Video 4.2: This video illustrates the setup of the water pump, including connecting the inlet and outlet hoses. It emphasizes the importance of adding water to the pump head for priming and ensuring all connections are tight to prevent leaks. The video also shows the pump in action, draining a pool.

5. OPERATION

1. **Initial Start-up:** After ensuring the pump is properly primed and all connections are secure, turn on the power switch. The pump will begin to operate.
2. **Monitor Pressure:** Observe the pressure gauge to ensure the pump is operating within expected pressure ranges. The mechanical pressure switch is set to automatically turn on when pressure drops below 1.5 bar and turn off when it reaches above 3.0 bar.
3. **Applications:** The pump can be used for various tasks such as boosting household water pressure, garden irrigation, draining pools, or transferring water from wells.
4. **Shut Down:** To turn off the pump, simply switch off the power.



Figure 5.1: The FOTING pump is capable of boosting water pressure for various household needs, including kitchen and bathroom applications.

6. MAINTENANCE

- **Regular Inspection:** Periodically check all hoses, connections, and the pump casing for any signs of wear, damage, or leaks. Tighten any loose fasteners.
- **Cleanliness:** Keep the pump free from dirt, debris, and obstructions to ensure proper ventilation and operation.
- **Winterization:** In areas subject to freezing temperatures, drain all water from the pump and hoses to prevent damage from ice expansion. Store the pump in a dry, protected area.
- **Priming Port:** Ensure the priming port cap is always securely tightened during operation.

7. TROUBLESHOOTING

- **Pump Not Starting:**

- Check if the power cord is securely plugged in.
- Verify the power switch is in the 'ON' position.
- Check for tripped circuit breakers or blown fuses.
- Ensure the pump is properly primed with water.
- If the pump recently ran dry, the thermal overload protection might have activated. Allow it to cool down before restarting.

- **Low Pressure or No Water Flow:**

- Re-prime the pump if it has lost its prime.
- Check for air leaks in the suction line or connections.
- Ensure the water source is not depleted.
- Inspect the inlet and outlet for blockages.

- **Unusual Noise:**

- Check for air in the system; re-prime if necessary.
- Inspect for any foreign objects in the pump impeller.
- Ensure the pump is securely mounted and not vibrating excessively.

8. SPECIFICATIONS

Specification	Value
Brand	FOTING
Model Number	FT-JGP110037C
Horsepower	1.5HP
Nominal Voltage	115V/60HZ
Max Flow	1340 GPH
Max Lift	164 Ft
Max. Suction Height	23 Ft
Power Cord Length	6.5 Ft
Product Dimensions (L x W x H)	20.1"L x 13.1"W x 22.2"H

9. WARRANTY AND SUPPORT

For detailed warranty information, product registration, or customer support, please refer to the documentation included with your product packaging or visit the official FOTING website. Contact information for customer service can typically be found on the product packaging or the manufacturer's website.

