

FOTING JGP8001

FOTING Shallow Well Pump JGP8001 User Manual

Model: JGP8001

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your FOTING Shallow Well Pump, Model JGP8001. This pump is designed for various water transfer applications, including garden irrigation, domestic water supply, and draining. Please read and understand all instructions before installation and use to ensure proper function and safety.



Figure 1: FOTING Shallow Well Pump JGP8001 overview with performance metrics.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always disconnect the pump from the power source before performing any maintenance, cleaning, or when the pump is not in use.
- Ensure the power supply matches the pump's requirements (115V AC).
- Do not operate the pump without water (dry running), as this can cause severe damage to the motor and pump components.
- Protect the pump from freezing temperatures. Drain all water from the pump and hoses if there is a risk of freezing.
- Keep children and unauthorized persons away from the operating pump.
- Do not use the pump for flammable or corrosive liquids.
- Ensure the pump is placed on a stable, level surface to prevent tipping.
- Use only appropriate 1" NPT fittings and hoses for connections.

3. PRODUCT FEATURES

- **Powerful Motor:** Equipped with a 1 HP motor, delivering a high flow rate of 876 GPH.
- **Strong Suction and Lift:** Capable of a maximum suction lift of 26 feet and can lift water up to 125 feet.
- **Durable Construction:** Features a high-strength stainless steel sprinkler head and an aluminum pump body for corrosion resistance and longevity.
- **Portable Design:** Includes a convenient handle for easy transport.
- **Overheat Protection:** Built-in automatic thermal overload protection automatically shuts off the pump if it runs dry or overheats, preventing motor damage.
- **Easy Connections:** Comes with 1" NPT inlet and outlet ports for straightforward hose hook-up.
- **IPX4 Water-Resistance:** Provides protection against splashing water from any direction.



More practical and useful

Durable material Suitable for any weather



Overheat Protection



IPX4 Water-Resistance

Figure 2: Key protective features of the pump.

4. PACKAGE CONTENTS

Upon unpacking, please ensure all items are present and undamaged:

- FOTING Shallow Well Pump (Model JGP8001)
- User Manual

Note: Water hoses are not included and must be purchased separately.

5. SPECIFICATIONS



Product Specifications

115V/60HZ Voltage/Frequency	876GPH Max Flow Rate
1HP Horse Power	3.8BAR Max .Pressure
NPT1" Discharge	26FT Max .Suction
6.6FT Cable Length	125FT Max. Height

Figure 3: Detailed product specifications.

Specification	Value
Brand	FOTING
Model Number	JGP8001
Power Source	115V AC
Horsepower	1 HP
Max Flow Rate	876 GPH
Max Suction Lift	26 Feet
Max Lifting Height	125 Feet
Max Pressure	55 PSI (3.8 BAR)
Inlet/Outlet Size	1" NPT
Cable Length	6.6 Feet
Material	Stainless Steel (head), Aluminum (body)
Item Weight	18.21 pounds
Package Dimensions	14.6 x 10.3 x 8.9 inches

6. SETUP AND INSTALLATION

Follow these steps for proper installation:

- Positioning:** Place the pump on a firm, level surface near your water source and desired discharge point. Ensure adequate ventilation.
- Connect Inlet Pipe:** Attach a 1" NPT inlet pipe (suction hose) to the pump's inlet port. Ensure the connection is airtight to prevent air leaks, which can affect priming and performance. Use thread sealant tape for a secure seal.
- Connect Outlet Pipe:** Attach a 1" NPT outlet pipe (discharge hose) to the pump's outlet port. Ensure this connection is also secure and leak-free.
- Priming the Pump:** Before the first use, or if the pump has run dry, the pump must be primed. Remove the priming plug (usually located on top of the pump casing) and fill the pump casing completely with clean water until it overflows. Replace the priming plug securely.

Easy to Use

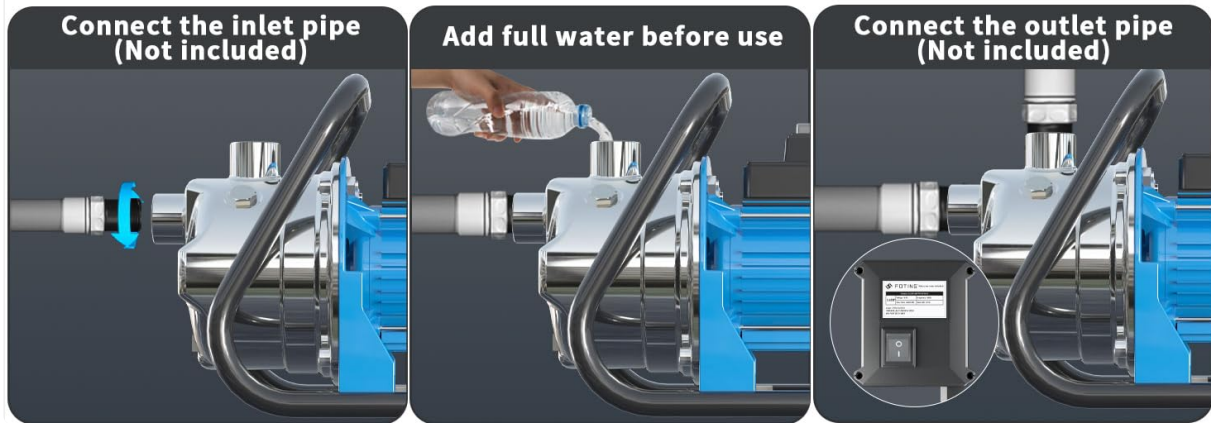


Figure 4: Easy setup steps for the pump.

7. OPERATING INSTRUCTIONS

1. Ensure the pump is properly installed and primed as described in Section 6.
2. Verify all connections are tight and there are no visible leaks.
3. Plug the power cable into a grounded 115V AC electrical outlet.
4. Flip the power switch to the 'ON' position. The pump will start operating.
5. Monitor the pump for initial water flow. It may take a few moments for water to reach the discharge point.
6. After use, flip the power switch to the 'OFF' position and unplug the pump from the power source.

8. MAINTENANCE

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

- **Regular Inspection:** Periodically check all hoses and connections for wear, damage, or leaks. Replace any damaged components immediately.
- **Cleaning:** Keep the exterior of the pump clean and free from debris. Do not use harsh chemicals that could damage the pump's finish or components.
- **Winterization:** If the pump will be exposed to freezing temperatures, it is crucial to drain all water from the pump and connected hoses. Store the pump in a dry, protected area.
- **Storage:** For long-term storage, clean the pump, drain all water, and store it in a cool, dry place away from direct sunlight and extreme temperatures.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power, faulty switch, motor overload.	Check power connection and outlet. Ensure switch is ON. Allow pump to cool if overheat protection activated.
No water flow or low pressure	Pump not primed, air leak in suction line, clogged inlet/outlet, insufficient water source.	Re-prime the pump. Check all connections for air leaks. Clear any blockages. Ensure water source is adequate.

Problem	Possible Cause	Solution
Pump runs but no water is delivered	Pump not primed, air in the system, suction lift too high.	Ensure pump is fully primed. Check for air leaks in suction line. Verify suction lift is within 26 feet maximum.
Pump overheats and shuts off	Dry running, motor overload, insufficient ventilation.	Ensure continuous water supply. Allow pump to cool. Check for proper ventilation around the motor.
Excessive noise or vibration	Loose components, cavitation (air in pump), foreign object.	Check for loose bolts or connections. Re-prime the pump. Inspect for foreign objects in the impeller (disconnect power first).

10. WARRANTY AND SUPPORT

FOTING is committed to providing reliable products and excellent customer service. For technical support, warranty claims, or any questions regarding your Shallow Well Pump JGP8001, please contact FOTING customer service.

We recommend registering your product to facilitate warranty service. Please refer to the FOTING official website or contact customer support for details on warranty terms and conditions.

FOTING Customer Service: Provides professional technical support to ensure your water system remains stable and worry-free.