

FOTING J15001-Dual Voltage

FOTING 2.5HP Dual Voltage In/Above Ground Pool Pump Instruction Manual

Model: J15001-Dual Voltage | Brand: FOTING

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your FOTING 2.5HP Dual Voltage In/Above Ground Pool Pump. This pump is equipped with a robust copper wire motor, delivering exceptional efficiency and performance for pool maintenance. Its self-priming capability ensures a quick start and consistent water flow. Please read all instructions carefully before installation and use.



Figure 1: FOTING 2.5HP Dual Voltage Pool Pump. This image shows the main unit of the FOTING pool pump, featuring its black housing, blue motor, and white pipe connectors, ready for installation.

2. SAFETY INFORMATION

WARNING: To reduce the risk of electric shock, fire, or injury, always follow these safety precautions:

- Always turn off and disconnect power to the pump before performing any electrical connections, maintenance, or service.
- Ensure the pump is installed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the pump if the power cord or plug is damaged.
- Keep children and unauthorized persons away from the pump during operation.
- The pump is equipped with thermal overload protection to prevent motor burnout. This feature is crucial for maintaining system integrity during prolonged use.
- Do not run the pump dry. Ensure the pump is properly primed with water before starting to prevent damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- FOTING 2.5HP Dual Voltage Pool Pump Unit
- Two (2) 1.5-inch Inlet Adapters
- Two (2) 2-inch Inlet Adapters
- Waterproof Tape
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

4.1. Site Selection

- Place the pump on a solid, level surface.
- Ensure adequate ventilation around the pump.
- Position the pump as close to the pool as possible to minimize friction loss in plumbing.
- Protect the pump from direct sunlight and harsh weather conditions.

4.2. Electrical Connection (Dual Voltage)

This pump supports both 115V and 230V operation. The voltage setting must be configured correctly before use. Refer to the wiring diagram inside the motor's bottom cover for specific connections.

- **IMPORTANT:** Ensure the power supply is OFF before proceeding.
- Open the bottom cover of the motor to access the wiring terminals.
- Connect the power supply wires according to the diagram for either 115V or 230V, matching your electrical system.
- Secure all connections tightly and replace the motor cover.



Figure 2: Electrical Connection. This image illustrates a person wearing gloves making connections to the FOTING pool pump, highlighting the dual voltage capability and the importance of careful wiring.



Figure 3: Dual Voltage Selection. This image visually represents the choice between 220V-240V and 110V-120V operation for the FOTING pool pump, emphasizing its versatility.

4.3. Water Pipe Connection

The pump includes 1.5-inch and 2-inch NPT inlet adapters for flexible plumbing options. Use the provided waterproof tape for secure, leak-free connections.

- Determine the appropriate adapter size (1.5" or 2") for your pool plumbing.
- Apply waterproof tape to the threaded connections of the pump and adapters.
- Securely attach the adapters to the pump's inlet and outlet ports.
- Connect your pool's plumbing (PVC pipes or flexible hoses) to the installed adapters.

2 METHODS FOR WATER PIPE CONNECTION

1 METHODS



2 METHODS

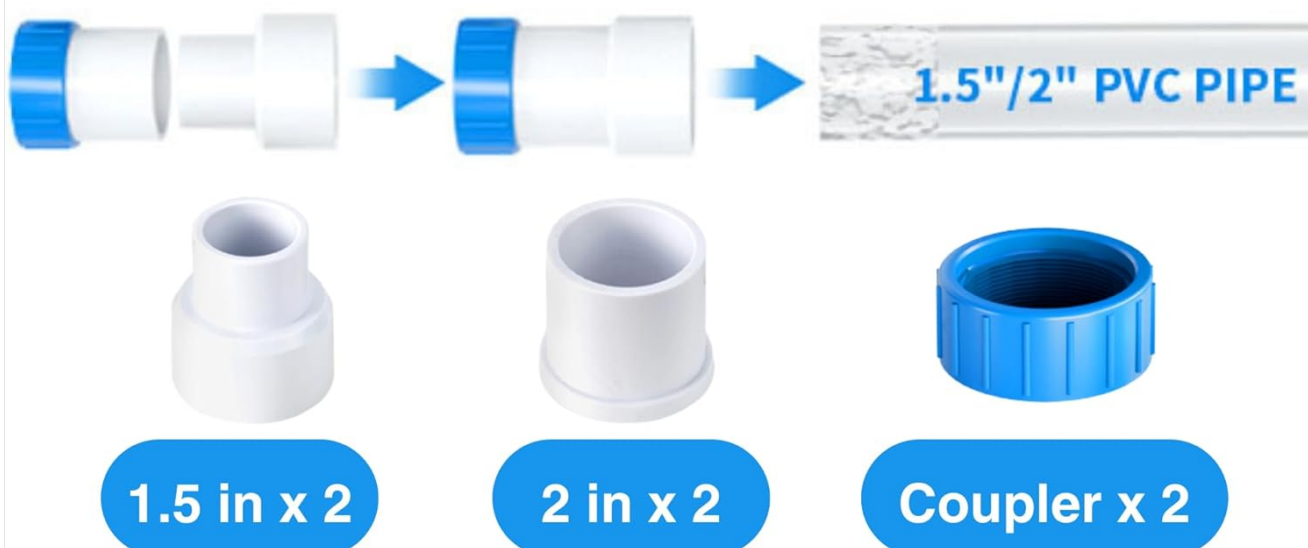


Figure 4: Water Pipe Connection Methods. This diagram illustrates two common methods for connecting water pipes to the pump, showing the use of 1.5-inch and 2-inch PVC pipe adapters and couplers.

5. OPERATING INSTRUCTIONS

5.1. Priming the Pump

Before starting the pump for the first time, or after draining for maintenance, the pump must be primed.

1. Ensure all valves are open to allow water flow from the pool to the pump.
2. Remove the transparent lid of the filter basket.
3. Fill the filter basket housing with water until it overflows.
4. Replace and securely tighten the transparent lid.
5. Turn on the power to the pump. The pump should begin to draw water and establish flow. If not, repeat the priming process.

5.2. Normal Operation

Once primed, the pump will continuously circulate water through your pool's filtration system. Monitor the pressure gauge on your filter (if applicable) to ensure proper operation. Refer to your filter's manual for ideal operating pressure ranges.

6. MAINTENANCE

6.1. Cleaning the Filter Basket

The large removable filter basket collects debris and should be cleaned regularly to maintain pump efficiency.

1. **WARNING:** Turn off power to the pump before cleaning.
2. Close any necessary valves to prevent water flow from the pool.
3. Unscrew and remove the transparent lid of the filter basket. The transparent lid allows you to view the condition of the filter without removal.
4. Lift out the filter basket.
5. Empty any collected debris and rinse the basket thoroughly with water.
6. Inspect the O-ring on the lid for damage and ensure it is clean and properly seated.
7. Return the clean basket to its housing and securely replace the lid.
8. Re-open valves and re-prime the pump if necessary.



FOTING



EXTRA-LARGE FILTER BASKET

 Leaves
 Branch
 Gravel

Figure 5: Removing Filter Basket. This image shows hands removing the extra-large filter basket from the pump, demonstrating the ease of access for cleaning leaves, branches, and gravel.

6.2. Draining the Pump

For winterization or extended periods of non-use, the pump should be drained to prevent freezing and damage.

1. **WARNING:** Turn off power to the pump.
2. Close all valves between the pool and the pump.
3. Locate the drain plug at the bottom of the pump housing.
4. Remove the drain plug to allow all water to exit the pump.
5. Once drained, replace the drain plug.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Pump does not start	No power; tripped breaker; faulty wiring	Check power supply, reset breaker, verify wiring connections.
Pump runs but does not prime or move water	Air leak in suction line; low water level; clogged filter basket; pump not filled with water	Check for leaks, ensure adequate pool water level, clean filter basket, re-prime pump.
Reduced water flow	Clogged filter basket; dirty filter; partially closed valves; air in system	Clean filter basket, backwash/clean filter, ensure all valves are fully open, check for air leaks.
Pump is noisy	Air leak in suction line; cavitation; worn bearings	Check for air leaks, ensure proper water flow to pump, contact support if bearings are suspected.
Pump leaks water	Loose connections; damaged O-rings/seals	Tighten connections, inspect and replace O-rings/seals as needed.

8. SPECIFICATIONS

Technical details for the FOTING 2.5HP Dual Voltage Pool Pump (Model: J15001-Dual Voltage).

- **Brand:** FOTING
- **Model Number:** J15001-Dual Voltage
- **Horsepower (HP):** 2.5HP
- **Maximum Flow Rate:** 7000 GPH (Gallons Per Hour) / 116 GPM (Gallons Per Minute)
- **Maximum Lifting Height:** 79 Feet
- **Voltage:** 115V / 230V (AC)
- **Power Source:** AC
- **Material:** Thermoplastic
- **Color:** Black & Blue
- **Product Dimensions:** 25.5"L x 7.8"W x 11"H
- **Item Weight:** 28.5 pounds
- **Self-Priming:** Yes
- **Thermal Overload Protection:** Yes
- **Inlet Connectors:** 1.5" NPT & 2" NPT

2.5HP / COPPER MOTOR





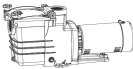





Figure 6: 2.5HP Copper Motor. This image provides an internal view of the pump's 2.5HP copper motor, highlighting its powerful performance, self-priming capability, overheated protection, and low noise operation.

9. WARRANTY AND SUPPORT

FOTING is committed to providing reliable products and customer satisfaction. For technical assistance, warranty claims, or any questions regarding your pool pump, please contact FOTING customer service. Our team provides professional technical support to ensure your water system remains stable and worry-free.

Please refer to your purchase documentation for specific warranty terms and contact information.

Related Documents - J15001-Dual Voltage

 <p>DUAL SPEED POOL PUMP USER MANUAL</p>	VEVOR Dual Speed Pool Pump User Manual Comprehensive user manual for VEVOR Dual Speed Pool Pumps (VVPS215BUS 1.5HP 230V, VVPS220BUS 2.0HP 230V), covering installation, safety precautions, wiring, priming, servicing, storage, and troubleshooting.
 INGROUND POOL PUMP 1.5 HP SKU: 75406  INSTALLATION AND USER'S GUIDE	XtremepowerUS 1.5 HP 230V 2-Speed Inground Pool Pump Installation and User's Guide Comprehensive installation and user's guide for the XtremepowerUS 1.5 HP 230V 2-Speed Inground Pool Pump (SKU: 75406). Covers safety instructions, installation, operation, maintenance, troubleshooting, and specifications.
 <p>DUAL SPEED POOL PUMP USER MANUAL</p>	VEVOR Dual Speed Pool Pump User Manual Comprehensive user manual for VEVOR Dual Speed Pool Pumps (VVPS215BUS, VVPS220BUS), covering installation, safety precautions, wiring, priming, servicing, storage, and troubleshooting.
<p>POWER DEFENDER 1.40 HP DUAL VOLTAGE VARIABLE SPEED PUMP OWNER'S MANUAL</p>  IMPORTANT SAFETY INSTRUCTIONS <small>READ AND FOLLOW ALL INSTRUCTIONS - SAVE THESE INSTRUCTIONS</small> <ul style="list-style-type: none"> ⚠️ Before working on this equipment, disconnect it from power. ⚠️ Do not touch or adjust any internal parts. ⚠️ Do not use this equipment if you are under the influence of alcohol or drugs. ⚠️ Do not use this equipment if you are tired or distracted. ⚠️ Do not use this equipment if you are ill or have a fever. ⚠️ Do not use this equipment if you are pregnant. ⚠️ Do not use this equipment if you are a child. ⚠️ Do not use this equipment if you are a senior citizen. ⚠️ Do not use this equipment if you are a person with a physical disability. ⚠️ Do not use this equipment if you are a person with a mental health condition. ⚠️ Do not use this equipment if you are a person with a chronic illness. ⚠️ Do not use this equipment if you are a person with a heart condition. ⚠️ Do not use this equipment if you are a person with a blood pressure problem. ⚠️ Do not use this equipment if you are a person with a diabetes problem. ⚠️ Do not use this equipment if you are a person with a kidney problem. ⚠️ Do not use this equipment if you are a person with a liver problem. ⚠️ Do not use this equipment if you are a person with a stomach problem. ⚠️ Do not use this equipment if you are a person with a respiratory problem. ⚠️ Do not use this equipment if you are a person with an asthma problem. ⚠️ Do not use this equipment if you are a person with a hearing problem. ⚠️ Do not use this equipment if you are a person with a vision problem. ⚠️ Do not use this equipment if you are a person with a speech problem. ⚠️ Do not use this equipment if you are a person with a learning problem. ⚠️ Do not use this equipment if you are a person with a cognitive problem. ⚠️ Do not use this equipment if you are a person with a memory problem. ⚠️ Do not use this equipment if you are a person with a concentration problem. ⚠️ Do not use this equipment if you are a person with a focus problem. ⚠️ Do not use this equipment if you are a person with a attention problem. ⚠️ Do not use this equipment if you are a person with a motivation problem. ⚠️ Do not use this equipment if you are a person with a discipline problem. ⚠️ Do not use this equipment if you are a person with a self-control problem. ⚠️ Do not use this equipment if you are a person with a impulse control problem. ⚠️ Do not use this equipment if you are a person with a emotional control problem. ⚠️ Do not use this equipment if you are a person with a behavioral problem. ⚠️ Do not use this equipment if you are a person with a social skills problem. ⚠️ Do not use this equipment if you are a person with a communication problem. ⚠️ Do not use this equipment if you are a person with a relationship problem. ⚠️ Do not use this equipment if you are a person with a family problem. ⚠️ Do not use this equipment if you are a person with a community problem. ⚠️ Do not use this equipment if you are a person with a global problem. 	Waterway Power Defender 1.40 HP Dual Voltage Variable Speed Pump Owner's Manual Comprehensive owner's manual for the Waterway Power Defender 1.40 HP Dual Voltage Variable Speed Pump. This guide covers essential safety instructions, wiring procedures, pump strainer basket maintenance, winterizing tips, motor care, disassembly and reassembly, replacement parts identification, troubleshooting common issues, and priming instructions.
 TIDAL WAVE™ MAXI II ABOVE GROUND DUAL SPEED POOL PUMP INSTRUCTION MANUAL 	Tidal Wave Maxi II Above Ground Dual Speed Pool Pump Manual Instruction manual for the Blue Wave Tidal Wave Maxi II Above Ground Dual Speed Pool Pump, including safety information, parts breakdown, installation, operation, maintenance, troubleshooting, and warranty.
<p>Troubleshooting</p> 	VIVOHOME Pool Pump Troubleshooting Guide Comprehensive troubleshooting guide for VIVOHOME pool pumps, covering common issues such as motor not starting, pump not priming, low flow, and noisy operation. Provides detailed steps and potential causes for each problem.