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CAMPLUX JK3206

CAMPLUX JK3206 Water Pump User Manual

Model: JK3206

1. Introduction

Thank you for choosing the CAMPLUX JK3206 Water Pump. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new water pump. Please read this manual thoroughly before use and keep it for future reference.

The CAMPLUX JK3206 is a compact and efficient 12V DC water pump designed for various applications requiring reliable water transfer or pressure boosting.

2. Safety Information

WARNING: Failure to follow these safety instructions could result in injury or damage to the product.

- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure the power supply matches the pump's voltage requirements (12V DC).
- Do not operate the pump dry. Ensure there is water in the system before starting.
- Install the pump in a dry, well-ventilated area, protected from direct sunlight and freezing temperatures.
- Use appropriate fittings and sealants to prevent leaks.
- Keep children and unauthorized personnel away from the pump during operation.
- Do not pump flammable liquids or chemicals. This pump is designed for water only.

3. Product Overview

The CAMPLUX JK3206 is a self-priming diaphragm pump featuring an intelligent pressure switch for automatic operation. Its compact design makes it suitable for various portable and fixed installations.

Key Features:

- **High Flow Rate:** Up to 6 liters per minute.

- **Intelligent Pressure Switch:** Automatic start and stop based on water demand, saving power.
- **Strong Suction:** Capable of 4.1 meters vertical suction lift and 41 meters horizontal suction lift.
- **Compact Design:** Small footprint for easy integration.
- **Durable Construction:** Made from Acrylonitrile Butadiene Styrene (ABS).



Figure 1: CAMPLUX JK3206 Water Pump with dimensions and performance specifications. This image shows the pump's compact size (180mm height, 80mm width) and key performance metrics: 6 L/min high flow rate, 4.1 meters vertical suction lift, and 41 meters horizontal suction lift. It also indicates 1/2" BSP fittings.



Figure 2: Product Display from Different Angles. This image provides multiple perspectives of the CAMPLUX JK3206 water pump, highlighting its overall design and the placement of its components.

4. Specifications

Attribute	Value
Brand	CAMPLUX
Model Number	JK3206
Color	Black
Material	Acrylonitrile Butadiene Styrene (ABS)
Style	Industrial/Utility
Product Dimensions (L x W x H)	18L x 10W x 6.8H cm
Power Source	Battery Operated (12V DC)

Attribute	Value
Item Weight	1 Kilogram
Maximum Flow Rate	6 Liters per minute
Voltage	12 Volts (DC)
Included Components	JK-3206 - 6 Liter Water Pump

5. Setup and Installation

5.1 Included Components:

- CAMPLUX JK3206 Water Pump

Note: Hoses, quick connectors, and 12V power supply are typically not included and must be purchased separately.

5.2 Installation Steps:

1. **Mounting:** Securely mount the pump in a stable, dry location using appropriate fasteners. Ensure the pump is easily accessible for maintenance.
2. **Inlet Connection:** Connect the water source (e.g., water tank) to the pump's inlet port. Ensure all connections are tight and sealed to prevent air leaks, which can affect priming.
3. **Outlet Connection:** Connect the outlet hose from the pump to your desired application (e.g., water heater, faucet, irrigation system).
4. **Electrical Connection:** Connect the pump to a 12V DC power supply. Ensure correct polarity: red wire to positive (+), black wire to negative (-). Use appropriate gauge wiring and fuses for safety.
5. **Priming:** Before initial use, ensure the pump is filled with water to assist in priming. Open a faucet or outlet to allow air to escape the system.
6. **Leak Check:** Once installed, turn on the power and check all connections for leaks.



Figure 3: One-stop Solution for Water Tank Suction. This diagram illustrates a typical setup for using the CAMPLUX JK3206 water pump to draw water from a tank and supply it to a water heater, showing the pump's inlet and outlet connections, hoses, and quick connectors.

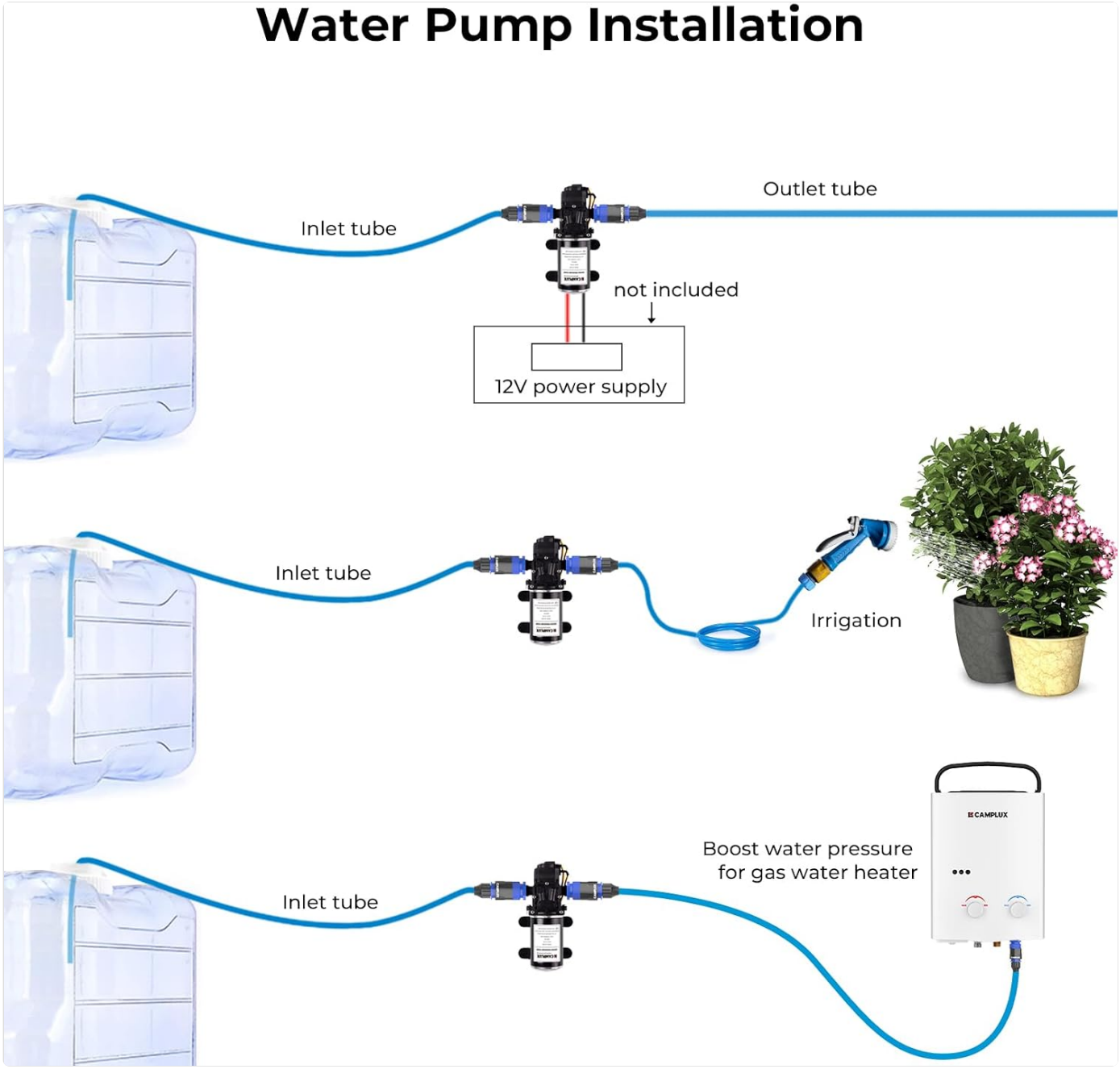


Figure 4: Water Pump Installation. This image displays three common installation scenarios: connecting the pump to a 12V power supply, integrating it into an irrigation system, and boosting water pressure for a gas water heater.

6. Operation

The CAMPLUX JK3206 water pump is equipped with an intelligent pressure switch for automatic operation.

1. **Power On:** Once properly installed and connected to a 12V DC power source, switch on the power.
2. **Automatic Operation:** The pump will automatically start when a faucet or outlet is opened, causing a drop in system pressure. It will then pump water until the desired pressure is reached or the outlet is closed.
3. **Automatic Shut-off:** When all outlets are closed and the system pressure builds up, the intelligent pressure switch will automatically turn off the pump.
4. **Dry Run Protection:** Avoid prolonged dry running, as this can damage the pump. Ensure a continuous water supply.

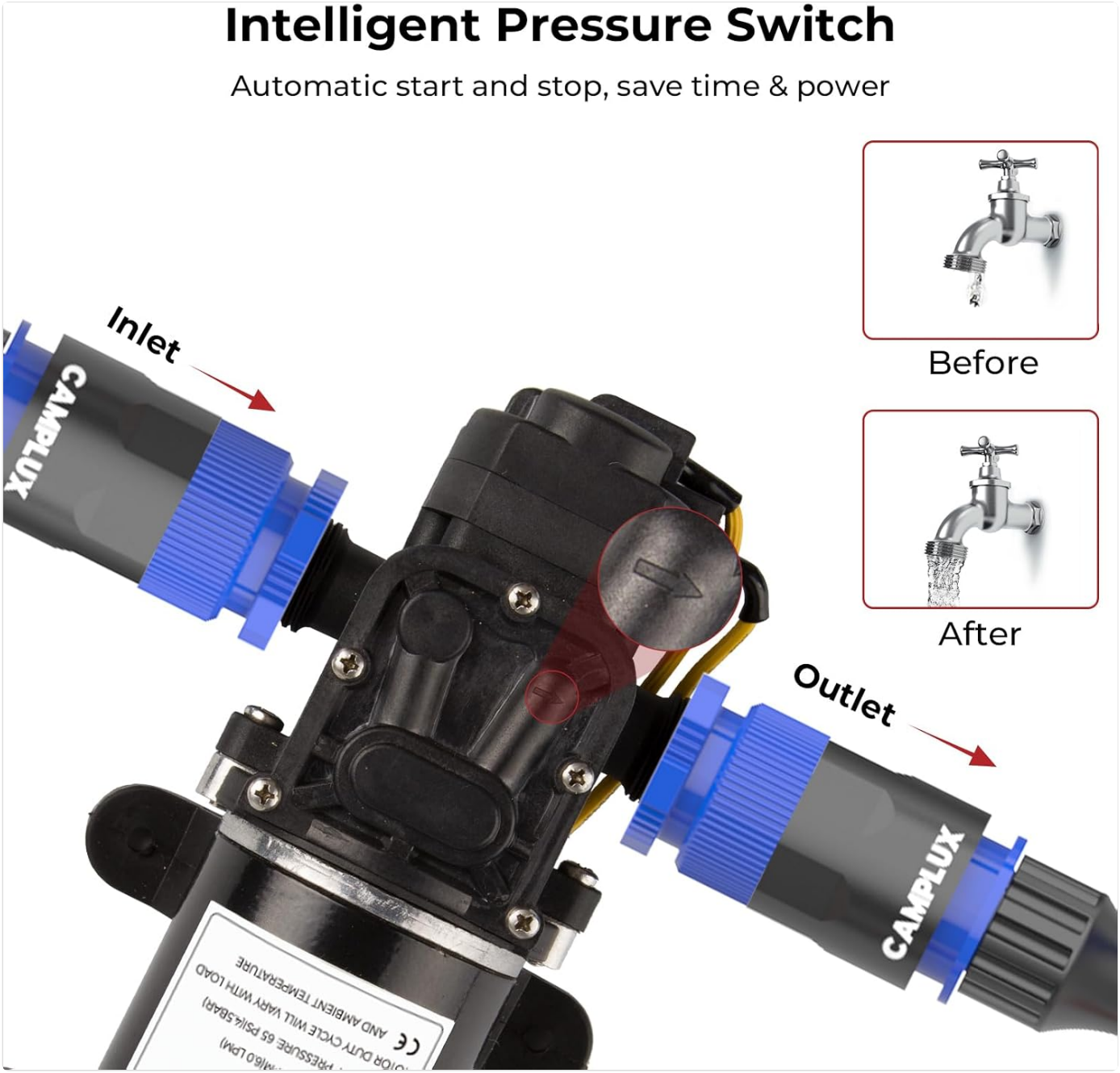


Figure 5: Intelligent Pressure Switch. This image demonstrates the pump's automatic start and stop function. The 'Before' image shows no water flow, while the 'After' image shows water flowing from a tap, indicating the pump has activated due to pressure drop.

7. Applications

The CAMPLUX JK3206 water pump is versatile and suitable for a variety of uses, including:

- **RV Water Systems:** Boosting water pressure for showers, sinks, and toilets in recreational vehicles.
- **Agricultural Irrigation:** Providing water for small-scale irrigation systems.
- **Yacht/Marine Applications:** Water supply for onboard facilities.
- **Car Washing:** Supplying pressurized water for vehicle cleaning.
- **Portable Water Transfer:** Moving water between containers or for outdoor activities.



Figure 6: Multiple Applications. This image visually represents various uses for the CAMPLUX JK3206 pump, such as RV water systems, agricultural irrigation, yacht water supply, and car washing.

8. Maintenance

Regular maintenance ensures the longevity and optimal performance of your CAMPLUX JK3206 water pump.

- **Regular Inspection:** Periodically check all hoses, connections, and wiring for wear, damage, or leaks.
- **Cleaning:** If the pump is used with non-potable water, flush it with clean water regularly to prevent sediment buildup.
- **Winterization:** In freezing conditions, drain all water from the pump and hoses to prevent damage from ice expansion. Store the pump in a warm, dry place if possible.
- **Filter Check:** If an inlet filter is used, clean it regularly to ensure unrestricted water flow.

9. Troubleshooting

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Pump does not start	No power; Loose wiring; Blown fuse; Faulty switch.	Check power supply; Inspect wiring connections; Replace fuse; Test switch.
Pump runs but no water flows	Air leak in inlet line; Pump not primed; Clogged inlet filter; Low water source.	Check all inlet connections for leaks; Ensure pump is primed; Clean filter; Verify water source level.
Low flow or pressure	Clogged filter; Kinked hose; Partially closed valve; Worn pump components.	Clean filter; Straighten hose; Open valves fully; Contact support if components are worn.
Pump cycles on and off rapidly	Small leak in system; Pressure switch setting too sensitive; Accumulator tank issues (if applicable).	Check for leaks in the entire system; Consult manufacturer for pressure switch adjustment; Inspect accumulator tank.

10. Warranty and Support

CAMPLUX products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your purchase or visit the official CAMPLUX website.

If you encounter any issues or require technical assistance, please contact CAMPLUX customer support. Have your model number (JK3206) and purchase details ready when contacting support.

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