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## Aufun AF-K-BI9021A

# Aufun 370W Submersible Deep Well Pump User Manual

Model: AF-K-BI9021A

## PRODUCT OVERVIEW

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The Aufun 370W Submersible Deep Well Pump is a highly efficient pressure pump designed for extracting water from significant depths. It is ideal for various applications, including home irrigation, garden watering, and supplying water to systems like washing machines and toilets.

Key features include a robust stainless steel housing, a durable copper motor, and an integrated thermal protection circuit for enhanced safety and longevity. Its design ensures reliable performance even in challenging conditions, such as sandy water, thanks to its effective filtration system.



Figure 1: The Aufun 370W Deep Well Pump, demonstrating its use in a garden irrigation scenario. The pump is designed for efficient water extraction from deep wells.

## PACKAGE CONTENTS

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Please check the package for the following items:

- 1 x Aufun Deep Well Pump (370W model)
- 1 x Connection Cable
- 1 x User Manual (this document)

## SAFETY INSTRUCTIONS

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Always read and understand all safety instructions before operating the pump. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply matches the pump's voltage requirements (220V-240V).
- Do not operate the pump if the cable or plug is damaged.
- The pump must be fully submerged in water during operation. Operating it dry will cause damage.
- Do not use the pump for flammable or corrosive liquids.
- Keep children and unauthorized persons away from the operating area.
- Disconnect the pump from the power supply before any maintenance or cleaning.

**Das Gerät muss vollständig in Wasser getaucht und nicht verwendet werden, wenn der Wasserstand zu niedrig ist**

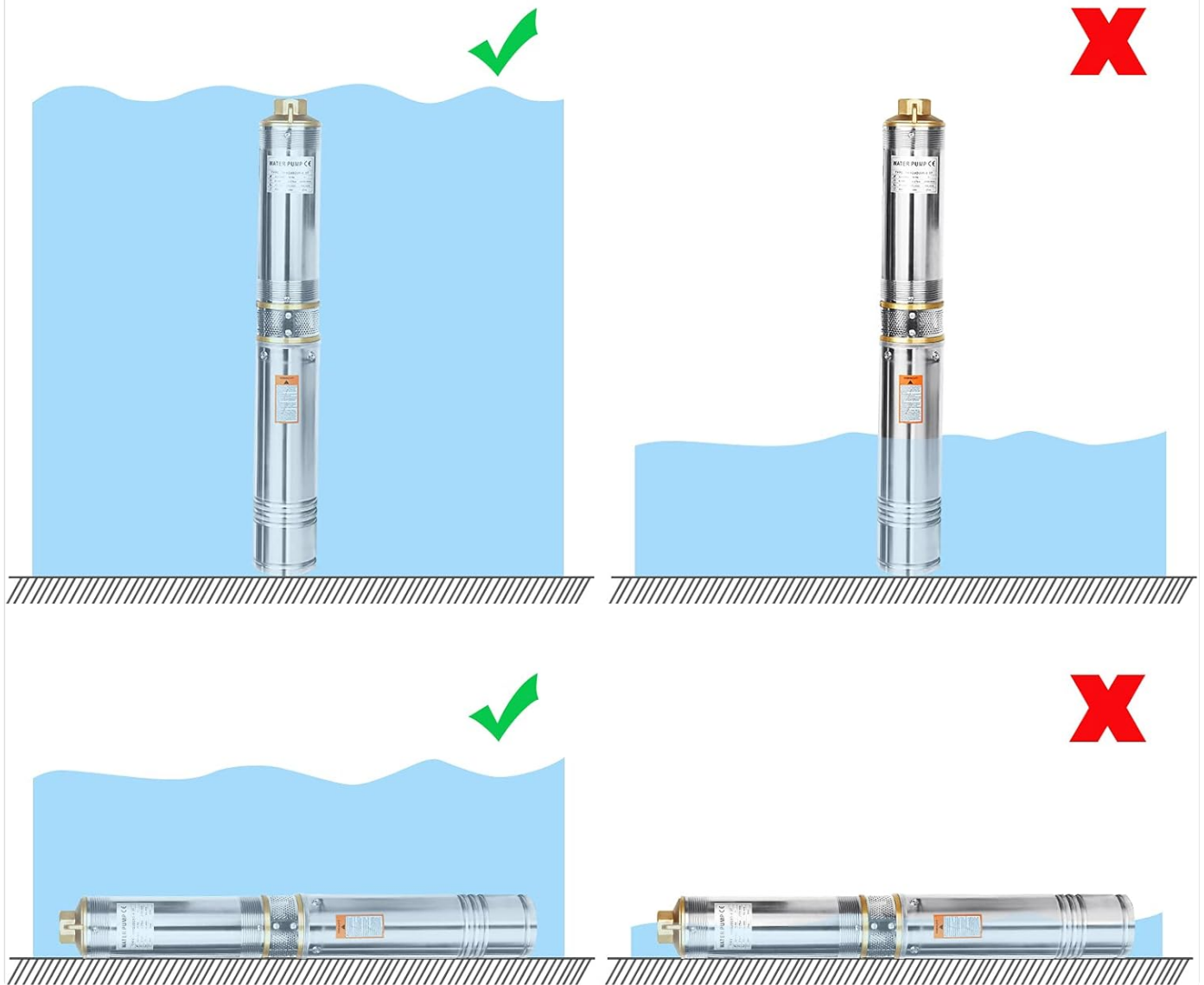


Figure 2: Proper submersion of the pump. The pump must be completely covered by water to ensure efficient operation and prevent overheating or damage.

## SETUP AND INSTALLATION

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage during transit.
2. **Cable Connection:** Ensure the connection cable is securely attached to the pump. The pump comes with a pre-attached cable.
3. **Pressure Connection:** Connect your desired hose or pipe to the pump's brass threaded socket. The socket has a diameter of 87 mm and is compatible with 1 ¼" pipes. Ensure a tight, leak-free connection.

4. **Placement:** Lower the pump into the well or water source. Ensure the well diameter is at least 4 inches. The pump must be fully submerged in water. The maximum immersion depth is 70 meters.
5. **Power Connection:** Once the pump is securely placed and submerged, connect the power plug to a suitable electrical outlet (220V-240V).



Figure 3: Detailed view of the pump's connection points and filtration system, highlighting the brass threaded socket and the stainless steel filter.

## OPERATING INSTRUCTIONS

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To operate the Aufun Deep Well Pump:

1. **Initial Check:** Before starting, confirm the pump is fully submerged and all connections are secure.
2. **Power On:** Plug the pump into the power outlet. The pump will start automatically.
3. **Monitoring:** Observe the water flow. The pump has a maximum flow rate of 4000 liters per hour and a maximum delivery head of 34 meters.

4. **Power Off:** To stop the pump, simply unplug it from the power outlet.

**Important: Do not run the pump dry. Continuous dry running will severely damage the motor and void the warranty.**



Figure 4: Examples of typical applications for the Aufun Deep Well Pump, showcasing its versatility in different water supply scenarios.

## MAINTENANCE

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

- **Cleaning the Filter:** The pump is equipped with a stainless steel filter designed to prevent particles from entering. Periodically inspect and clean the filter to ensure unrestricted water flow. The pump is compatible with sand up to 150g/m<sup>3</sup> and grain size up to 0.3 mm.
- **Winterization:** In regions with freezing temperatures, remove the pump from the water source before winter. Drain all water from the pump and store it in a dry, frost-free location.
- **General Inspection:** Regularly check the power cable for any signs of wear or damage. Inspect all connections for

leaks.

# Leistungsstark und kein Lärm

Edelstahlfilter filtern Unreinheiten effektiv. 

Das reine Kupferwerk ist kraftvoll und

geräuschfrei. 

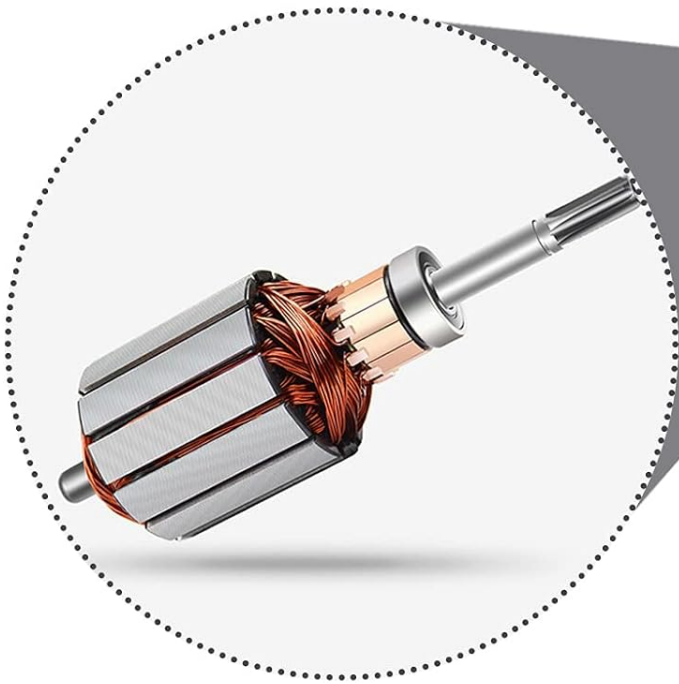


Figure 5: Internal components of the pump, illustrating the stainless steel filter for impurity removal and the pure copper motor for powerful, quiet operation.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Pump does not start	No power supply; Thermal overload protection activated; Damaged cable/plug	Check power connection and circuit breaker; Allow pump to cool down; Inspect and replace damaged parts.
Low water flow	Clogged filter; Insufficient water level; Air in the system; Kinked hose	Clean the filter; Ensure pump is fully submerged; Bleed air from the system; Straighten hose.
Pump runs but no water	Pump not submerged; Suction line leak; Impeller damage	Ensure full submersion; Check and seal suction line; Contact service for impeller inspection.
Pump stops unexpectedly	Thermal overload; Low water level; Power interruption	Allow pump to cool; Check water level; Verify power supply.

## SPECIFICATIONS

Feature	Detail
Model	AF-K-BI9021A (370W)
Material	Stainless Steel
Motor Power	0.37 kW (0.5 hp)
Voltage	220V-240V
Max Current	4.5 A
Max Flow Rate	4 m <sup>3</sup> /h (4000 L/h)
Max Operating Pressure	3.4 bar
Revolutions	2850 rpm
Sand Compatibility	150g/m <sup>3</sup>
Max Grain Size	0.3 mm
Max Immersion Depth	70 m
Max Flow Head	34 m
Threaded Socket Diameter	87 mm (1 1/4" compatible)
Min Well Diameter	4 inches
Max Water Temperature	35 °C
Impeller Quantity	5
Dimensions (L x W x H)	69.3 x 9.2 x 69.3 cm
Weight	13.38 kg



## Produktinformation

Material:	Rostfreier Stahl	Maximaler Arbeitsdruck:	3.4bar
Pumpenhöhe:	693mm	Maximale Eintauchtiefe:	70m
Motorleistung:	0.37kw (0.5hp)	Maximaler Durchfluss:	4m <sup>3</sup> / h (4000 l)
Pumpendurchmesser:	92mm	Maximale Förderhöhe:	34m
Anschlusskabellänge:	20m	Pumpenradzahl:	5

Figure 6: Technical specifications and dimensions of the Aufun Deep Well Pump.

## WARRANTY AND SUPPORT

Afun products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer.

For technical support, troubleshooting assistance, or spare parts inquiries, please contact Afun customer service through the official website or your point of purchase. Please have your model number (AF-K-BI9021A) and purchase date ready when contacting support.