

AL-KO BMP 14001

AL-KO BMP 14001 Thermal Water Pump User Manual

Model: BMP 14001 | Brand: AL-KO

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your AL-KO BMP 14001 thermal water pump. Please read these instructions carefully before initial operation and keep them for future reference. The AL-KO BMP 14001 is a powerful gasoline engine pump designed for transferring large volumes of water, ideal for garden irrigation, emptying pools, or flood relief in areas without electrical power.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating the pump. Failure to follow these instructions may result in injury or damage to the equipment.

- **Fuel Handling:** Gasoline is highly flammable. Always refuel in a well-ventilated area with the engine off and cool. Avoid spilling fuel.
- **Exhaust Fumes:** The engine produces carbon monoxide, a colorless and odorless gas. Operate the pump only in open, well-ventilated areas. Never operate indoors.
- **Water Type:** The pump is **not suitable for drinking water**. It is only suitable for clear water and chlorinated water (pool water) below 35°C (95°F).
- **Prohibited Liquids:** Do not use the pump with saltwater, aggressive chemicals, flammable liquids, or water containing sand or abrasive particles.
- **Hot Surfaces:** The engine and exhaust system become very hot during operation. Avoid contact to prevent burns.
- **Stable Placement:** Always operate the pump on a stable, level surface to prevent tipping.
- **Children and Bystanders:** Keep children and bystanders away from the operating pump.

3. PRODUCT OVERVIEW

The AL-KO BMP 14001 is engineered for robust performance and portability.

Key Features:

- Powerful thermal water pump for transferring large volumes of water.
- Easy-start 1.7 kW (2.3 HP) 4-stroke engine.
- Mobile and flexible, operable without an electrical connection, ideal for remote locations or flood situations.
- Maximum suction height of 6 meters and maximum delivery height of 36 meters.
- High flow rate of up to 12,000 liters per hour.
- Equipped with a sturdy handle for easy transport and wide support feet for enhanced stability.

Components:

The pump includes the gasoline engine unit and connectors for suction and pressure hoses.



Figure 1: A detailed view of the AL-KO BMP 14001 thermal water pump, showcasing its red engine housing, black frame, and water inlet/outlet connections.

4. SETUP

Proper setup is crucial for safe and efficient operation.

1. **Unpacking and Inspection:** Carefully unpack the pump and check for any shipping damage or missing parts.
2. **Placement:** Position the pump on a firm, level, and stable surface. Ensure adequate ventilation around the engine.
3. **Engine Oil:** Before first use, fill the engine with the recommended 4-stroke engine oil to the correct level. The oil filler opening is easily accessible on the pump body for convenient maintenance. Refer to the engine

manual for specific oil type and capacity.

4. **Fueling:** Fill the fuel tank with unleaded gasoline. Ensure the engine is off and cool. Do not overfill. The fuel tank capacity is 1.6 liters.
5. **Hose Connections:**
 - Connect the suction hose to the inlet port (typically larger diameter). Ensure a tight, airtight connection to prevent air leaks, which can affect priming and performance. The connection diameter for both suction and pressure sides is 33.3 mm.
 - Connect the pressure hose to the outlet port. Secure all connections with appropriate clamps.
6. **Priming the Pump:** To ensure a smooth start, the pump circuit must be filled with water. Use the easy-fill spout located on top of the pump to fill the pump housing with water before starting the engine.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation.

Starting the Engine:

1. Ensure the fuel valve is open.
2. Set the choke lever (if applicable) to the 'START' or 'CHOKE' position for a cold engine.
3. Set the engine switch to 'ON'.
4. Pull the starter cord firmly until the engine starts.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position.

Pumping Operation:

Once the engine is running, the pump will begin to draw and discharge water. Monitor the flow and ensure the suction hose remains submerged in the water source.



Figure 2: The AL-KO BMP 14001 thermal water pump positioned on the ground in a garden, actively pumping water through a hose to a person watering plants.



Figure 3: A closer view of the AL-KO BMP 14001 thermal water pump operating in a garden, with a person in the background watering plants, demonstrating its use for irrigation.



Figure 4: The AL-KO BMP 14001 thermal water pump placed in a garden setting, adjacent to a greenhouse, illustrating its versatility for various outdoor watering tasks.

Stopping the Engine:

1. Set the engine switch to 'OFF'.

- 2. Close the fuel valve.
- 3. Allow the engine to cool down before handling or storing.

6. MAINTENANCE

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

- **Engine Oil Check:** Regularly check the engine oil level and top up or change as recommended in the engine manual.
- **Air Filter:** Inspect and clean the air filter periodically. Replace if damaged.
- **Spark Plug:** Check and clean the spark plug. Replace if worn.
- **Cleaning:** Keep the pump exterior clean. Remove any dirt or debris from the engine cooling fins.
- **Storage:** For long-term storage, drain the fuel tank and carburetor to prevent fuel degradation. Store the pump in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If your pump is not operating correctly, check the following common issues:

- **Engine Not Starting:** Check fuel level, engine oil level, spark plug condition, and ensure the engine switch is 'ON' and fuel valve is open. Verify the choke setting for a cold engine.
- **No Water Flow / Low Flow:** Ensure the pump is properly primed (filled with water). Check for air leaks in the suction hose or connections. Verify the suction hose is fully submerged and not blocked. Check for blockages in the impeller or hoses.
- **Excessive Vibration/Noise:** Ensure the pump is on a stable, level surface. Check for loose components or foreign objects in the pump housing.

If problems persist after checking these points, consult a qualified service technician.

8. SPECIFICATIONS

Manufacturer	AL-KO
Model Number	113793
Product Dimensions (L x W x H)	43 x 34 x 37 cm
Weight	13.5 kg
Color	Red
Material	Steel
Power Type	Fuel Powered
Power	1.7 kW
Flow Rate (Max)	12,000 Liters per hour
Max Suction Height	6 meters

Max Delivery Height	36 meters
Fuel Tank Capacity	1.6 liters
Hose Connection Diameter	33.3 mm
Voltage	230 Volts (AC) <i>(Note: This is a fuel-powered pump; voltage may refer to internal components or specific variants not detailed.)</i>

9. WARRANTY AND SUPPORT



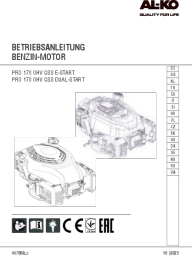
AL-KO is committed to quality. For enhanced peace of mind, AL-KO offers a **2+2 year warranty extension** upon online registration of your product. This provides maximum security for your investment.

To register your product and learn more about the warranty extension, please visit: www.alko-garden.de

For technical support, spare parts, or service inquiries, please contact your authorized AL-KO dealer or visit the official AL-KO website for contact information in your region.

Related Documents - BMP 14001

	<p>AL-KO Stromerzeuger 2500-C, 3500-C, 6500-C Betriebsanleitung</p> <p>Umfassende Betriebsanleitung für AL-KO Benzin-Stromerzeuger Modelle 2500-C, 3500-C und 6500-C. Enthält Sicherheitshinweise, Inbetriebnahme, Bedienung, Wartung und Fehlerbehebung.</p>
	<p>AL-KO Enduro X Independent Trailing Suspension User Manual and Maintenance Guide</p> <p>Comprehensive user manual and maintenance guide for the AL-KO Enduro X Independent Trailing Suspension system, detailing features, benefits, servicing schedules, warranty information, and contact details for caravan and RV owners.</p>
	<p>AL-KO Benzin-Rasenmäher Betriebsanleitung</p> <p>Betriebsanleitung für AL-KO Benzin-Rasenmäher, inklusive Sicherheitshinweisen, Montage, Wartung und Fehlerbehebung.</p>

 <p>BENZIN STROMERZEUGER AL-KO 2500-C AL-KO 3500-C Bedienungsanleitung AL-KO 6500-C</p> <p>CE ENEC</p>	<p>AL-KO Бензиновый Электрогенератор 2500-С / 3500-С / 6500-С Руководство по эксплуатации</p> <p>Полное руководство по эксплуатации для бензиновых электрогенераторов AL-KO моделей 2500-С, 3500-С и 6500-С. Включает технические характеристики, инструкции по безопасности, ввод в эксплуатацию, обслуживание и устранение неисправностей.</p>
 <p>Balkenmäher AL-KO QUALITY FOR LIFE</p> <p>Balkenmäher 660 / 870 III / 875 III Bedienungsanleitung</p> <p>CE ENEC</p>	<p>AL-KO Balkenmäher 660 / 870III / 875III Bedienungsanleitung</p> <p>Die offizielle Bedienungsanleitung für AL-KO Balkenmäher Modelle 660, 870III und 875III. Erfahren Sie mehr über sichere Bedienung, Wartung und Fehlerbehebung dieser hochwertigen Gartengeräte von AL-KO.</p>
 <p>BETRIEBSANLEITUNG BENZIN-MOTOR PRO 170 OHV QSS E-START PRO 170 OHV QSS DUAL-START</p> <p>CE ENEC</p>	<p>AL-KO PRO 170 OHV QSS E-START / DUAL-START Benzin-Motor Betriebsanleitung Manual</p> <p>Official operating manual for AL-KO PRO 170 OHV QSS E-START and DUAL-START petrol engines. Find instructions for setup, operation, maintenance, and safety.</p>