

Black+Decker BXGP800XE

BLACK+DECKER BXGP800XE Self-Priming Water Pump User Manual

Model: BXGP800XE

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your BLACK+DECKER BXGP800XE self-priming water pump. This pump is designed for displacing and lifting clear water, making it suitable for various applications such as manual or automatic garden irrigation.

The BXGP800XE features a compact design with a corrosion-resistant stainless steel body and an integrated handle for easy transport. Its motor includes high-temperature protection to ensure reliability and a long service life.

2. SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating the pump.

- **Electrical Safety:** Ensure the power supply matches the pump's specifications. Do not operate the pump with a damaged power cord or plug. Avoid using extension cords unless absolutely necessary and ensure they are rated for outdoor use and the pump's power requirements.
- **Water Quality:** This pump is designed for **clear water only**. Do not use it for pumping flammable liquids, corrosive chemicals, or water containing large solids, sand, or debris.
- **Temperature Limits:** Do not pump water exceeding 35°C (95°F).
- **Stable Placement:** Always place the pump on a stable, level surface to prevent tipping during operation.
- **Children and Pets:** Keep children and pets away from the pump during operation.
- **Maintenance:** Disconnect the pump from the power supply before performing any maintenance or cleaning.

3. PRODUCT OVERVIEW

The BLACK+DECKER BXGP800XE is a robust self-priming pump designed for efficient water transfer. Key components include the motor housing, pump body, suction inlet, discharge outlet, and an integrated carrying handle.



Image 1: Front view of the BLACK+DECKER BXGP800XE self-priming water pump, showcasing its stainless steel pump body and black motor housing with an orange carrying handle.

4. SETUP

Proper setup is crucial for optimal performance and longevity of your pump.

1. **Placement:** Position the pump on a firm, level surface as close as possible to the water source. Ensure it is protected from direct weather exposure.
2. **Connect Suction Hose:** Attach a G1" suction hose to the pump's inlet. It is highly recommended to install a pre-filter on the end of the suction hose to prevent debris from entering the pump and extend its lifespan. Ensure all connections are airtight to prevent air leaks, which can affect priming.
3. **Connect Discharge Hose:** Attach a G1" discharge hose to the pump's outlet. Secure all connections with appropriate clamps.
4. **Priming the Pump:** Despite being self-priming, it is good practice to manually fill the pump housing with water through the designated priming port (usually a cap on top of the pump body) before the first use or after the pump has been drained. This helps to ensure quick and efficient priming. Ensure the suction hose is also filled with water if possible.
5. **Electrical Connection:** Plug the pump into a suitable grounded power outlet. Ensure the power switch is in the 'OFF' position before plugging in.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your water pump.

1. **Initial Start-up:** After completing the setup and priming, ensure the discharge hose is directed to where you want the water to go.

2. **Power On:** Flip the power switch to the 'ON' position. The pump will begin to operate.
3. **Monitor Operation:** Observe the pump for the first few minutes. Water should start flowing from the discharge hose. If no water flows after a short period, switch off the pump, check for air leaks in the suction line, and re-prime if necessary.
4. **Continuous Use:** The pump's motor is equipped with high-temperature protection, ensuring reliability during operation. However, avoid running the pump dry for extended periods, as this can cause damage.
5. **Power Off:** To stop the pump, simply flip the power switch to the 'OFF' position.



Image 2: The BLACK+DECKER BXGP800XE pump actively irrigating a garden, demonstrating its use in a typical outdoor setting.



Image 3: A person using the BLACK+DECKER BXGP800XE pump to water potted plants in a garden, highlighting its application for direct irrigation.

6. MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the pump with a damp cloth. Ensure the cooling vents are free from dust and debris.
- **Filter Check:** If a pre-filter is installed, inspect and clean it regularly to prevent clogging and maintain optimal flow.
- **Winterization (Storage):** If the pump will not be used for an extended period, especially in freezing temperatures, it is crucial to completely drain all water from the pump and hoses. Disconnect the hoses, remove the priming cap, and tilt the pump to ensure all water escapes. Allow it to dry thoroughly. This is particularly important if the water is hard (calcareous) to prevent mineral buildup. Store the pump in a dry, frost-free location.
- **Seal Inspection:** Periodically check hose connections and seals for any signs of wear or leaks. Replace worn components as needed.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

- **Pump Does Not Start:**

- Check if the pump is properly plugged into a working power outlet.
- Ensure the power switch is in the 'ON' position.
- Check for tripped circuit breakers or blown fuses.

- **Pump Runs But No Water Flows (or Reduced Flow):**

- **Lack of Priming:** Ensure the pump housing and suction line are completely filled with water before starting. Re-prime the pump.
- **Air Leaks:** Check all suction hose connections for airtight seals. Even small air leaks can prevent priming.
- **Clogged Suction Line/Filter:** Inspect the suction hose and pre-filter for blockages. Clean as necessary.
- **Suction Height Too High:** Ensure the vertical distance from the water source to the pump does not exceed the maximum suction height (8 meters).
- **Water Source Empty:** Verify that there is sufficient water in the source.

- **Pump Shuts Off During Operation:**

- The motor's high-temperature protection may have activated. Allow the pump to cool down before restarting. Check for blockages or excessive load.
- Check for power supply interruptions.

If problems persist after attempting these troubleshooting steps, contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the BLACK+DECKER BXGP800XE pump.



Image 4: Diagram illustrating the dimensions of the BLACK+DECKER BXGP800XE water pump: 33.7 cm length, 21 cm width, and 21 cm height.

Feature	Specification
Model Number	BXGP800XE
Power Absorbed	800 W
Max Flow Rate	3500 l/h
Max Head (Prevalence)	38 m
Working Pressure	3.8 Bar
Max Water Temperature	35 °C
Max Suction Height	8 m
Connection Diameter	G1"
Cable Length	1 m
Dimensions (L x W x H)	33.7 x 21 x 21 cm
Weight	5 kg
Material	Stainless Steel
Voltage	230 V

Feature	Specification
Power Source	Electric Corded

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official BLACK+DECKER website. If you require technical assistance, spare parts, or have any questions not covered in this manual, please contact BLACK+DECKER customer support.