WATERBOY

PUMPS BY BROMIC
PLUMBING & GAS

BROMIC WATERBOY™ 800W SUBMERSIBLE PUMP WITH INTEGRATED CONTROLLER

INSTRUCTION AND SERVICE MANUAL

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What Do the Symbols Used Mean?

Danger notices and safety information has been clearly marked throughout these instructions. The following symbols are used to draw your attention to these important warnings:

Type and Source of Danger!
Failure to observe this danger notice may cause physical injury or death.

Safety Information

Please read and follow all safety instructions before installing or operating this pump. Save these instructions for future reference. Incorrect installation or use may result in electric shock, fire, or damage to property.

Electrical Safety

- This pump must be installed in accordance with the latest edition of AS/NZS 3000 (Australian/New Zealand Wiring Rules) and any other applicable electrical regulations.
- The pump is rated for 230 V ~, 50 Hz and has a maximum total head of 37m. Always check that your power supply matches the voltage on the rating label.
- The pump must be connected to a power outlet protected by a Residual Current Device (RCD) with a rated residual current of not more than 30 mA. This is a mandatory requirement under Australian and New Zealand wiring rules to protect against electric shock.
- For outdoor installations, ensure the socket outlet is weatherproof and compliant with electrical codes.
- If the power cord is damaged, it must be replaced by a qualified service agent, or a licensed electrician to avoid a potential hazard.
- Only use an extension cord that is rated for outdoor use and has sufficient current capacity. Always unwind the entire length of the extension lead to prevent overheating. Damaged or undersized cords can create a risk of electric shock or fire.

Personal and Installation Safety

- Disconnect the pump from the power supply before performing any installation, inspection, maintenance, or cleaning tasks.
- Do not operate the pump in potentially explosive environments, near flammable materials, or without water (dry running can cause overheating and damage)
- The pump is equipped with thermal overload protection. If overheating occurs, the pump will stop automatically and restart after it cools down.
- Do not insert hands or tools into the pump inlets or outlets while the unit is powered.
- Ensure that all electrical connections are made in dry, protected locations and comply with AS/NZS 3000 wiring requirements.

User Restrictions

- This pump is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless supervised by a responsible person.
- Children must be supervised to ensure they do not play with or operate the appliance.
- This product must not be used in swimming pools or similar environments where persons are staying in the water.

Water Handling & Pressure Safety

- This pump is designed only for clean water use in domestic and light commercial applications. Do not use it with seawater, chemicals, or abrasive or corrosive liquids
- Pollution of water could occur due to leakage of lubricants in the pump
- The pump and connected pipework operate under pressure. Always release internal pressure before disconnecting pipework or servicing the pump to avoid injury or water spray.
- Do not operate the pump if the casing or fittings appear damaged. Contact Bromic customer service for assessment

Safety Information Continued

Built-In Protections

- Dry-run protection: If the pump detects no water flow, it will stop automatically to prevent motor damage. It will attempt to restart periodically.
- Leakage detection: If a small leak causes frequent start-stop cycling, the pump will enter leakage protection mode and stop operating. It can be reset by disconnecting and reconnecting power.

Spare Parts

Spare parts can be ordered from Bromic or your point of purchase. For further information on spare parts, please contact Bromic 1300 276 642 or email plumbing@bromic.com

Caring for the Environment

Appliances that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please check with your local council authority for recycling advice and recycle where facilities exist.

Function & Operation

This pump is designed with features to maximise performance and protect the motor. It automatically responds to water pressure and flow conditions during operation.

Standby Mode

- When the outlet valve is closed, the pump stops pumping but continues to maintain pressure in the pipework.
- This standby state keeps the system pressurised and ready to resume immediately.
- As soon as the valve is reopened and pressure drops below 2.2 bar, the pump automatically restarts.

Dry-Run Protection Mode

The pump includes automatic protection against running without water, which can damage the motor. When no water is available, the pump follows the process below:

1. Initial detection: The pump senses a lack of water and shuts off.
2. First check: After 4 minutes, it tries to restart and check for water.
3. Second check: If water is still unavailable, it waits 1 hour and checks again.
4. Third check: If water is still unavailable, it waits another 5 hours and tries once more.
5. Ongoing monitoring: After that, the pump will check every 24 hours.
6. Automatic recovery: If water is available during any check, the pump will restart automatically and resume normal operation.
7. Manual override: You can reset the power at any time to exit dry-run protection and restart the pump.

Leakage Protection Mode

If the pump detects frequent cycling caused by small leaks or dripping taps (i.e., it keeps turning on and off too quickly), it will enter leakage protection mode to prevent wear.

- In this mode, the pump stops operating completely.
- It will only restart if the power is reset manually.

Before Operation

Check the following before turning on the pump:

- The pipeline can withstand the operating pressure.
- All joints are properly sealed and leak-free.
- The pump is securely mounted and stable.
- The submersion depth of the pump does not exceed the maximum specified in the technical parameters.
- All electrical connections comply with safety standards and instructions.

Operation

The pump uses sensors and electronics to control its behaviour:

- A pressure switch monitors system pressure and controls when the pump starts and stops.
- A flow sensor detects when water is moving through the valve. If no flow is detected, it triggers shutdown after 30 seconds to protect the motor.
- When pressure builds (e.g. with a closed valve), the pump will stop after maintaining peak pressure for 30 seconds.
- When pressure drops below 2.2 bar, the pump starts automatically

Operating Conditions

- The pump must be installed with a minimum cross-sectional area of 20 cm × 20 cm to allow unrestricted operation and adequate water intake.
- Ensure the submersion depth complies with the pump's rated specifications.
- The pump inlet must remain unobstructed at all times during both installation and operation.
- The pump must be positioned securely to avoid tilting, vibration, or unintentional movement during use.
- The tank must be filtered at the inlet, to prevent any debris from entering the tank and obstructing the pump.

Outlet Connection

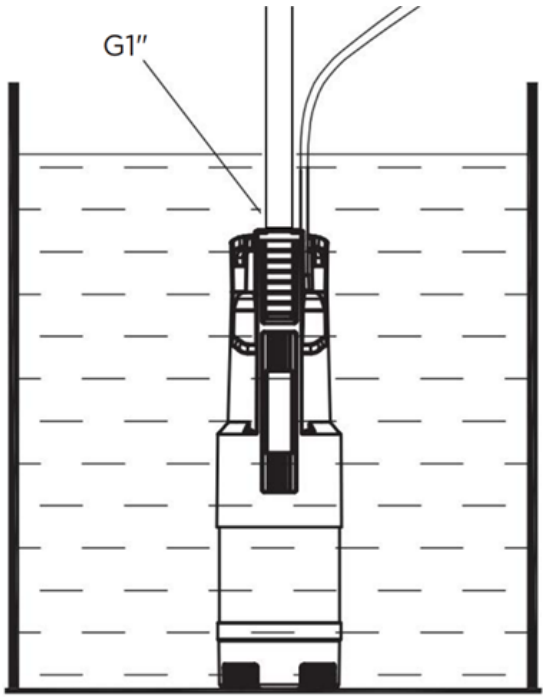
- Connect the pressure pipe to the pump outlet by carefully screwing it into place.
- Apply thread seal tape to all threaded joints to ensure a watertight connection and prevent leakage during operation.

Lowering the Pump

- Attach a suitable rope securely to the pump handle.
- Slowly lower the pump into the liquid at a slight angle. This helps release trapped air beneath the pump and prevents air bubbles from entering the inlet, which could disrupt performance.
- Submerge the pump fully to ensure proper priming and stable operation.
- Once submerged, adjust the orientation of the pump if necessary to ensure it is sitting upright and unobstructed at the bottom of the tank or container.
- Fasten the upper end of the rope securely outside the container to allow for safe retrieval or repositioning.

Electrical Connection and Start-Up

- After verifying that the pump is correctly positioned and fully submerged, connect it to the main power supply.
- The pump is now ready for operation.



Malfunctions and Troubleshooting

Minor faults may result in operational interruptions. In many cases, these issues can be identified and resolved without technical assistance. Refer to the following table for common faults and recommended actions before contacting technical support. This may help avoid unnecessary service arrangements and associated costs.
If you are unable to correct a fault yourself, please contact our technical support directly. Please note that improperly conducted repairs will void your warranty and may result in additional expenses.

Danger of physical injury and death
Please note that improperly conducted repairs may prevent your appliance from working safely and such repairs will endanger you and your surroundings.

Fault/malfunction	Cause	Troubleshooting
Pump does not start or shuts down unexpectedly	1. Power supply not connected or interrupted, damaged power cord or plug 2. Pump is in standby due to pressure retention, possible pipe blockage or thermal overload 3. Impeller obstruction or damage 4. High water or ambient temperature causing thermal protection to activate 5. Faulty internal pressure switch 6. The pump may be in leakage protection mode	1. Check and restore power supply. Inspect power cord and plug for damage 2. Open the outlet valve. Remove any blockage. Allow the pump to cool fully before restarting 3. Have the impeller inspected and serviced 4. Ensure water and ambient temperatures remain below 35°C. Restart after cooling 5. Have the internal pressure switch checked by qualified service personnel 6. Restart power at the power supply to reset the pump
Pump cycles on and off frequently	Leak in outlet pipework or joint, internal blockage or defective non-return valve	Isolate power supply. Inspect and clean or replace affected pipework and the non-return valve
Low or no water flow	1. Insufficient water level below impeller height 2. Kinked or damaged discharge pipe 3. Blockage from dirty or contaminated water 4. Inlet obstruction	1. Increase the water level in the tank 2. Straighten or replace the discharge pipe 3. Clean the inlet 4. Remove any blockage at the pump inlet
Pump does not shut off	Non-return valve blocked or unable to reset to closed position	Inspect the non-return valve at the pump outlet and remove any obstructions

Cleaning and Maintenance

Cleaning the Appliance Externally

Rinse with clean water. Remove stubborn contamination with a brush and detergent, then rinse with clean water. Submerge the pump in a container with clean water and switch on for a short time to rinse the inside of the pump.

Cleaning the Inlet

The plastic cover at the inlet of the pump can be disconnected for cleaning. Any fibrous material which may have wound around the rotor shaft can also be removed thereafter.

Storing

When not in use, store the pump in a place protected from harsh temperature conditions and from direct sunlight.

Disposal

Disposing Of The Appliance

Please check with your local authority regarding correct disposal methods. This helps to avoid introducing damaging materials into the environment.

Disposal Of Packaging

The packaging consists of cardboard and correspondingly marked plastics that can be recycled.

Technical data

	800W
Product number	7575134
Nominal voltage	230 V / 50 Hz
Nominal output	800W
Protection type	IPX8
Max. pump head	37m
Max. flow rate	6000 l/h
Max. submersion depth	7m
Max. particle size	1 mm
Switch on pressure	2.2 bar
Warranty	2 Years

Notes

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