

WATERBOY JET KIT : OIM MANUAL



All-in-one jet pump kit. For use with above ground tanks.

Operation • Installation • Maintenance

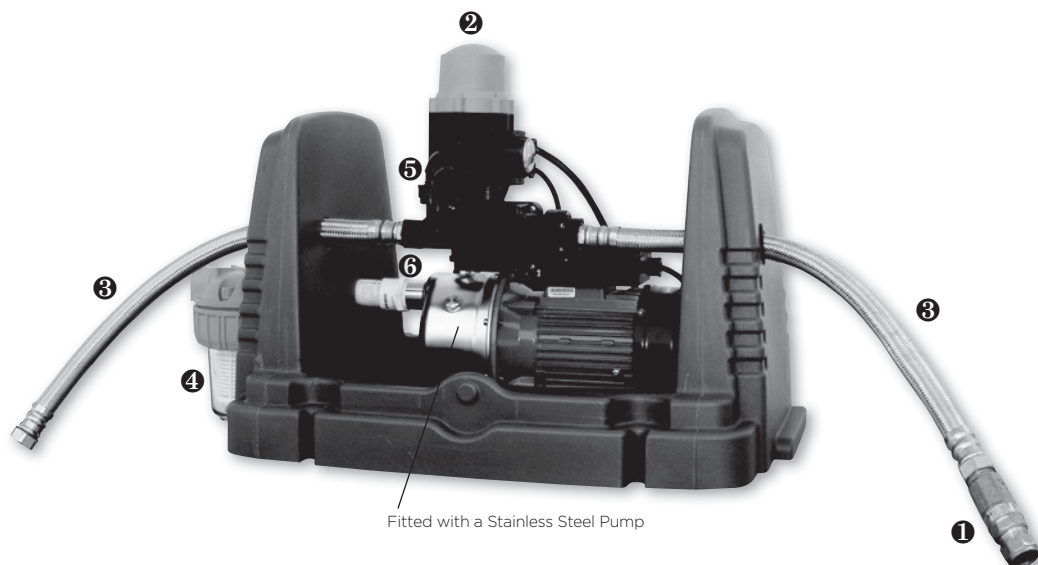
• WB- 40L • WB- 60L



To be installed by a licensed plumber in accordance with AS/NZ 3500.1
Please read the following instructions as failure to install and commission correctly can cause the system to operate incorrectly. This could void the warranty and result in a return call by the plumber/installer.

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Congratulations on your purchase of the Bromic Waterboy Jet Kit- the all-in-one jet pump kit.

The Waterboy Jet Kit is designed as a water saving device to make your tank work more efficiently. It has the intelligence to identify the water level of your tank and automatically switch it to mains water and back again as necessary.

Waterboy Jet Kit features a jet pump and pressure controller teamed with innovative valve train all enclosed in protective, waterproof housing.

- Automatically switches from mains to rain water
- Neat installation to complement the home
- New light-weight valve train minimises leaks & blockages
- No need for a float switch
- Comes complete with dry run safety mechanism
- Simple installation - no hardwiring or drilling (only 3 connections)
- Fully enclosed in UV protective, waterproof housing
- Pressure limiting valve included for installation
- Available in a range of colours
- 2 year warranty

DATA

Minimum mains pressure : 200kPa

Maximum mains pressure : 600kPa

(Pressure Limiting Valve limits mains pressure to 350KPA must be fitted)

Related supply voltage : 240V

Maximum electrical load : 10A

Water temperature : 1°C to 40°C

Ambient temperature : 1°C to 40°C

Power consumption (mains): 40L = 370W
60L = 750W

IP Rating: IP55

ACCESSORIES:

1. Pressure limiting valve (Qty. 1):

7575334

2. Pressure controller (Qty. 1):
7575315

3. Stainless steel hose (Qty. 2)
(20mm x 600mm): 7575317

4. Inline filter (20mm) (Qty. 1):
7575321

5. Plastic valve train (Qty. 1):
7575325

6. 25mm PVC tank line (Qty. 1)

How the Waterboy Jet Kit Works

1) Using water from the rainwater tank the Waterboy Jet Kit supplies this to the toilet, washing machine or garden tap.

2) When the tank is empty (or in case of pump failure), mains water is automatically supplied instead, to ensure a reliable supply of water to the home.

3) The Waterboy Jet Kit works on pressure:

When there is drop in pressure the pump controller activates the pump, closes the solenoid valve and water from the tank is pumped through the system.

The pump will run for a short time then will shut off.

If there is no water in the tank then the pump will detect no water and shut down opening the solenoid valve and water is supplied via the mains.

This is an automated function.

INSTALLATION

WARNING! WATERBOY PRODUCTS MUST BE INSTALLED AND SERVICED BY A LICENSED PLUMBER. PLEASE FOLLOW INSTALLATION INSTRUCTIONS CAREFULLY. ERRORS DURING INSTALL WILL NOT BE COVERED BY THE 2 YEAR GUARANTEE.

Unlike many rainwater diversion systems, the Waterboy Jet Kit does not require a float switch.

The Waterboy Jet Kit is designed to handle clean rainwater and mains water. It should not be used with grey water, bore water, stormwater, dam water or recycled water systems

Ensure that the plumbing and the wiring of the Waterboy Jet Kit unit are secluded from children and pets.

Location

- ⚠ **The Waterboy Jet Kit must be located within 3 metres of the tank outlet and with a 240VAC power point within a metre.**
- ⚠ **The Pressure Limiting Valve supplied with the unit must be fitted.**
- ⚠ **Ideally there should also be a stop cock or isolation valve fitted to the tank and on the mains inlet to the Waterboy.**

You will need: spanners, thread tape

Step 1: Locate the ideal pump box position (i.e. clean, level, dry and no further than 3m from tank). There will need to be a 10A power point within reach. Please note that long extension leads will cause voltage to drop and may lead to poor performance and motor overload – maximum 10m lead distance.

Step 2: Check piping aligns to the mains and rainwater pipe.

Step 3: Check that there are two 20mm flexible hoses, one piece of 25mm high pressure PVC pipe fitted with male adaptors, operating instructions for the controller and pump, Inline Filter & Pressure Limiting Valve in the pump housing base.

Step 4: Remove the above from the packaging.



Step 5: It is essential that when connecting the Waterboy Jet Kit you brace the valve train against turning when following the next two steps to prevent breakage and leaking.



Step 6: Thread one of the 20mm flexible hoses through the casing marked as "20mm Mains In" the male end to go onto the valve train using a suitable sealant, ensuring that it is supported against twisting.



Step 7: Thread the other 20mm flexible hose through the casing marked as “20mm Mains Out” the male end to go onto the valve train using a suitable sealant, ensuring that it is supported against twisting.



Step 8: Thread the 25mm high pressure PVC hose through the casing marked “25mm Tank Draw Line” to the inlet of the pump using a suitable sealant.

Step 9: The final positioning of the flexible hoses is up to the installer to allow ease of connection to this pipe work.



Step 10: Please ensure the Inline Filter is installed between the tank and the tank inlet to the Waterboy Jet Kit system. The inline filter must be fitted to ensure clean water supply to the pump. Failure to fit the filter will void the manufacturer’s warranty



Step 11: The Pressure Limiting Valve **MUST** be connected to the female end of the hose to the mainswater supply. The Pressure Limiting Valve ensures correct pressure to the Waterboy pressure controller unit. Failure to install the Pressure Limiting Valve on the mains inlet line will void Manufacturer’s warranty.

The unit will have three external plumbing points when ready to install.

- 1) Connection to the water tank (25mm on pump through an inline filter)
- 2) Water supply to the laundry/toilet or garden tap (20mm to valve train)
- 3) Mains water supply (20mm on valve train)

The system contains an approved dual check valve to provide zone protection.

Note: The hazard rating for backflow prevention in the area you are fitting the pump may require a higher level of protection. The licensed plumber installing the pump can advise you on this.

Pump must be commissioned – follow procedure below:

PRIMING OF PUMP

1. Fill tank to a level above the draw off point (see Important Note).



2. Turn on the water supply from the tank.
3. Prime the pump by removing the priming point from the top of pump chamber and allowing the tank water to fill the pump chamber, or by filling the pump chamber with water from an external supply. Once this is done refit the Priming point
4. Turn on the power supply (at power point) which will start the pump, this will run until the air in the system is pressurized.
5. At this stage turn on the Mains water supply

Installation Tips

- The Waterboy Jet Kit is designed to be installed at ground level along side tank. Although the cover is waterproof, the system should ideally be installed in a covered area.
- Make sure the water inside the tank is clean (it may be necessary to flush out pipes also)
- Do not use the system for any other purpose other than what is specified in

this manual.

- Locate system in a place that will not be subject to freezing – water freezing inside the wateryboy unit will damage the system.

OPERATION

Before You Start:

- 1) Make sure pump is primed (see commissioning procedure Page 4)
- 2) Waterboy Jet Kit is designed to handle clean water, do not use the system to supply bore water, dam water, grey water, storm water or recycled water.
- 3) Ensure wiring, plumbing and the system are not accessible by children or pets

Filling your tank:

Should it not be possible to fill the tank to the required level the system may be connected to the supply and outlet connections, the mains water can then be turned on but the power to the unit should not be connected until there is sufficient water in the tank and the pump primed as per the Commissioning Procedure.

We recommend you do not run the pump without water - please turn pump off until tank has replenished with sufficient water. You will need to prime the pump.

Turning on/off:

After all connections are made and the unit commissioned (as above) the mains water change over can be tested by switching off the power supply and turning on the tap activating the mains water flow.

To return the system to run on the tank water supply, turn on the power supply.

The system will now operate on tank water and will automatically switch over to mains water when the tank is empty or at a low level or there is a power failure. Once the tank has refilled to a level above the draw line the Waterboy Jet Kit will revert to using the tank water.






Maximising performance:

- Install a flush system to the home guttering to divert the initial run of water – this may contain dirt and pollutants
- Fit a strainer to the top of your tank inlet to stop leaves entering the system

MAINTENANCE

Whilst the Waterboy Jet Kit does not require regular maintenance we do suggest you carry out the following to ensure its most reliable performance:

- 1) Clean gutters regularly and ensure water in the tank is kept clean
- 2) Thermal overload on pump

Complaint	Possible solution	
Pump not working when turned on.	Check that power is available and turned on at the power point.	
Pump running but cutting out after a short period of time.	Check that there is water in the tank above the draw line and that the tap on the tank is open. Ensure plastic sleeve is removed from filter cartridge.	
System running on mains water only.	Check that power is available and turned on and that there is water available in the tank.	
System running on mains water and tank water at the same time.	Check that the solenoid is connected.	
Pump runs but no water is pumped through the system.	Check that the pump has been primed (refer to commissioning section of manual).	
At initial install stage pump is not switching on on demand	Pressure adjustment by turning screw at top of unit twice	
	Ensure that the Pressure Limiting Valve is correctly installed	

Bromic Pty Limited ('Bromic') warrants to the original purchaser ('the Purchaser') of products supplied by Bromic Plumbing ('the Goods') that the Goods will be free from defects and/or faults in materials and/or workmanship for Two (2) years from the date of Bromic invoice.

Subject to the following conditions of this Warranty, if a defect and/or fault in materials and/or workmanship are found during the warranty period, Bromic will replace or repair the Goods (at its option) without charge.

1. The Goods must have originated from Bromic and must be able to be identified by Bromic personnel as a Bromic Plumbing product.
2. The original invoice details, including serial number where applicable, MUST be provided to Bromic at the time that any claim is made pursuant to the terms of the Warranty.
3. Any claim made pursuant to the terms of the Warranty must be made within a reasonable time of the discovery of any potential fault or defect.
4. Acceptance of a claim under this Warranty is subject to an assessment of the Goods by Bromic, or its authorised agent, to determine the cause of the defect prior to Bromic's authorisation for repairs to be carried out.
5. Repairs to the Goods must not have been attempted by any person other than an authorised service agent. Repairs attempted by a non authorised agent will void the warranty.
6. Where Goods are located or are to be located in premises where the induction of service or installation personnel is required, any costs for such induction of service or installation agents to gain access to sites is for the account of the customer and not for Bromic.
7. The requirement for repair or replacement of the Goods must not be due to misuse, neglect, accident, improper installation, unauthorised modification or other abuse which in the reasonable opinion of Bromic was occasioned by the purchaser or any agent or employee of the purchaser.
8. Repair or supply of a substitute will not extend or renew the warranty period.
9. Bromic will warrant that any spare parts it provides will be free from defects and/or faults in materials and/or workmanship for a period of 3 months from the date of purchase provided that these spare parts have been installed by a Bromic authorised service agent.
10. Bromic will either undertake the repair or nominate a repair agent authorised by Bromic.
11. Bromic's repair warranty is restricted to normal business hours on Monday to Friday and excluding public holidays and weekends.
12. Where Bromic elects to replace rather than repair the Goods and no identical replacement is available for the Goods being replaced, Bromic may replace the Goods with Goods of a similar standard and design then available from its range.
13. Bromic is not liable for the costs of the authorised service agents other than standard labour costs during normal working hours.
14. Bromic is not liable for travelling time in excess of 50 kilometres from an authorised service agent or 1 hour from the authorised service agent, whichever is the lesser.
15. Bromic is not responsible for any costs involved in gaining access to Goods for the purposes of repairs, checks or modifications.
16. Bromic's warranty does not extend to any damage or induced Goods' failures resulting from an installation that was undertaken outside the direct control of Bromic or its authorised service/installation agents.
17. Bromic is not liable, and will not authorise repairs pursuant to a claim under this Warranty, for Goods which have been modified for rental purposes. (All Goods are designed to be operated indoors in a permanent location. Movement of goods after installation should be restricted to whatever is required for routine cleaning and maintenance only).
18. Bromic will not be responsible or liable for damage or loss caused during transport and/or testing of the Goods and will not be liable for the cost of transport or testing of the Goods.
19. Bromic does not warrant the Goods where the Goods were installed and/or used in conjunction with goods of a supplier other

than Bromic ('the other goods') in such a way as to exceed the capacity and/or performance capabilities of the Goods or the other goods and denies all liability for any damage whatsoever suffered by any person arising from such use.

20. Bromic shall not be liable for any indirect or consequential loss, loss of profit or any other economic loss as a result of any actual or alleged failure of the Goods.
21. The obligation of Bromic in relation to the warranty, provided for in the previous paragraphs, is not valid in the following cases: Installation does not conform to the instructions given in the Use and Maintenance handbook;
 - a. Installation in places other than the original place (disassembly and reassembly in another place);
 - b. Carelessness, negligence or inability in use or use other than that for which the product is designed and/or dimensioned; or
 - c. Modifications or tampering with the product.
22. Bromic is not liable for, and will not authorise repairs pursuant to a claim under this Warranty for:
 - a. Damage or failure of Goods as a consequence of not removing packaging and transport materials before use;
 - b. Parts subject to wear and tear including but not limited to fuses, batteries, handles, locks, hinges, hoses;
 - c. Goods which have not been installed in accordance with Bromic's and/or the manufacturer's specification;
 - d. Parts subject to wear and tear including but not limited to rubber and plastic seals, bladders, pressure switches, filters, pressure gauges, pressure limiting valve.
 - e. Repairs or replacement of Goods not bearing original serial numbers (where applicable) or compliance plates;
 - f. Rust and/or discoloration due to heat or exposure to corrosive environments;
 - g. Damage caused to Goods due to improper use of cleaning agents, detergents, bleaches or other chemical additives or agents of a corrosive nature;
 - h. Breakage, either intentional or unintentional, to any part of the Goods;
 - i. Any damage arising from any modification of the Goods that has taken place without prior authorisation from Bromic;
 - j. Any use of the Goods for any reason other than its originally specified purpose;
 - k. Installation of Goods in places other than the original place (disassembly and reassembly in another place);
 - l. Carelessness, negligence or use other than that for which the Goods are designed;
 - m. Goods not performing correctly as a result of Goods being used in an environment whereby the ambient temperature and relative humidity are outside the operating parameters specified for those particular goods;
 - n. Modifications or tampering with the Goods; or
 - o. Heater Failure of the Goods due to;
 - i. Incorrect installation of water supply
 - ii. Insufficient regular maintenance (of the type specified by the relevant manufacturer) of components including but not limited to filters (every six months and more frequently if required), pumps etc.
 - iii. Insufficient and/or irregular cleaning of the filter (every six months and more frequently if required) Failure to provide adequate ventilation for the Goods as specified by the manufacturer; or
 - iv. Fair wear and tear of the Goods;
23. Please contact Bromic as soon as possible after discovery of a potential defect and/or fault with the Goods to arrange for it to be tested and/or serviced.
24. All warranty enquiries and/or claims should be directed to Bromic's Head Office via its postal address - PO Box 6062 Silverwater NSW 1811 or by telephoning 1300 276 642 (within Australia) or sending a fax to +61 2 9748 4289.

25. The manufacturer is not responsible for assuring compliance with jurisdictional codes and regulations governing sales, construction, installation and/or use of the heating products and cannot be responsible for how the product is installed or used. Before purchase and use of the product, it is the responsibility of the owner to review the product application and all applicable national and local codes and regulations governing the installation and use of such heating products and to seek advice from relevant technical persons.
26. In addition to the above, all of Bromic's other general terms and conditions of trade apply, save for those which are inconsistent with the terms of this warranty. These general terms and conditions of trade can be obtained on request from Bromic.
27. In addition to the Warranty extended by Bromic to the Purchaser, the Australian Consumer Law requires that Bromic provide the following additional guarantees to consumers (as that word is defined by the Competition and Consumer Act) in respect of consumer goods (as defined by that Act) supplied in Australia.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For more information visit our website at www.bromicplumbing.com or call 1300 276 642.

WARRANTY REGISTRATION PROCEDURE

Any claim under this warranty should be initiated with the dealer/retailer who sold the Goods, or with any other dealer handling Bromic's products.

Please ensure you have the following information for warranty registration;

Serial Numberwaterboy Unit:

Model Number: _____

Model Name: _____

PURCHASE RECORD

NAME OF PURCHASER

STREET ADDRESS
.....
.....

SUBURB STATE POSTAL

INSTALLER’S NAME:

DATE OF PURCHASE:

JOB NUMBER:



A member of the Bromic Group

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