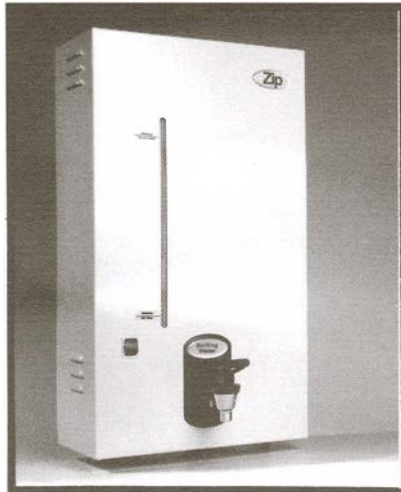


Zip

Manual Boiling Water

Models 4.5 to 34 Litre

INSTALLATION INSTRUCTIONS & OWNERS GUIDE



PLEASE LEAVE WITH BOILING WATER UNIT

Congratulations for choosing a ZIP Manual Boiling Water Unit

It is important that you take a few minutes to read this booklet as it may save you time and trouble later.

If you require any further information or your ZIP manual boiling water unit needs to be serviced, please contact the Rheem Service Department on 0800 657 335, or the nearest service centre (look in the Yellow Pages under Plumbers).

IMPORTANT INFORMATION

GENERAL

- The information contained in this manual, and all other information or advice given at any time by Rheem New Zealand Limited in connection with the purchase, installation or use of a ZIP boiling water unit, is given in good faith. Subject to any rights the owner may have under the "Consumer Guarantees Act 1993", Rheem New Zealand Limited will not be liable to any person for any inaccuracy or omission in the information or advice arising through the fault or negligence of Rheem New Zealand Limited or any other person or through any other cause whatsoever.
- This boiling water unit is not intended to be operated by young children or infirm persons. Young children should be supervised to ensure they do not play with the boiling water unit.

WARNING: This unit produces Boiling Water. Care should be taken at all times when using this appliance.

WATER QUALITY:

Your Zip boiling water unit is manufactured to suit the water conditions of most council supplies. Some water supplies (e.g. high content of silica, calcium etc) may have a detrimental effect to the boiling water unit's operation and / or life expectancy and cause the warranty to become void. If you are unsure of your water quality, you can obtain information from your local water supply authority.

INSTALLATION

Please take careful notice of the advice given as Rheem New Zealand Limited will not be liable for any loss or damage suffered as a result of the incorrect installation of the boiling water unit, or any failure to check the capability of the electrical supply, wiring to the boiling water unit.

The boiling water unit must be installed by an authorised service person or registered plumber and the installation must comply with the New Zealand Building Code, Rheem Installation Instructions, AS/NZS 3000 electrical installations and all local codes and regulatory authority requirements.

- **LOCATION:** This appliance is suitable for indoor installations and it is NOT WEATHERPROOF. If the boiling water unit is to be installed outside, it must be protected from the weather and freezing.
- **JACKET / ACCESS PANELS REMOVAL:** Take the boiling water unit out of the carton and lay on a flat surface, front facing upwards. Remove the jacket or access panel, depending on the model (for details, refer to Figure 2). When removing the jacket, rotate it to the LEFT, allowing easy access to the electrical terminals at the rear of the switch.

- **WALL MOUNTING:** The unit is suspended from mounting screws fixed into the wall. These are located into keyhole slots in the back casing. Be sure that the mounting screws are inserted into the keyhole slots. The screws **MUST** be able to hold the weight of the unit when filled with water. Before drilling the wall, make sure that the screw positions avoid any pipe-work or electrical supply cables. Allow 4 mm clearance between the screw head and the wall for locating the Zip unit.
- **MINIMUM CLEARANCES** All units require a minimum clearance of 50 mm on all sides, however, we recommend you leave sufficient clearance for servicing and at least 150 mm at the side where the element is installed.
- **WATER SUPPLY CONNECTION:** Cold mains pressure water must be piped and connected to the 15 mm (1/2" BSP) inlet fitting located on the left hand side, underneath the unit. Included in this fitting is a combined check valve and flow restrictor (for details, refer to Figure 1) which prevents the tank from being damaged by excessive water supply pressures. Also an appropriate filling / shut off tap must be fitted to the mains pressure supply line. To prevent the silicone tube from kinking or being detached, care should be taken to prevent the inlet fitting from turning when tightening up the inlet pipe "crox" nut.

WARNING: Operating the Zip boiling water unit without the combined check valve and flow restrictor may cause the warranty to become void.

- **COMBINED OVERFLOW / VENT CONNECTION:** The overflow/vent pipe must be connected to the 15 mm (1/2" BSP) drain fitting located next to the inlet fitting at the base of the unit (refer Figure 1). This pipe must have a continuous fall, not exceeding 3 metres in length, or contain more than 4 bends. If the length exceeds 3 metres, the overflow/drain must be discharged into a tundish or similar. To prevent the silicone tube from kinking or being detached, care should be taken to prevent the overflow/vent fitting from turning when tightening up the inlet pipe "crox" nut.

WARNING: This unit may discharge small quantities of steam during normal operation, so it is important that the overflow/vent pipe is connected to waste.

Incorrect connection of the pipe-work may damage the unit and cause the warranty to become void.

- **TAP OUTLET:** To prevent damage during transport the tap is wrapped and placed inside the carton. The tap is connected to the tap extension by a chrome-plated nut and tightened using a 29 mm AF spanner.
- **REPLACE JACKET or ACCESS PANEL:** Ensure the earth cable is secured to the terminal and that the electrical cables are free from pinching before fitting the jacket or access panel.

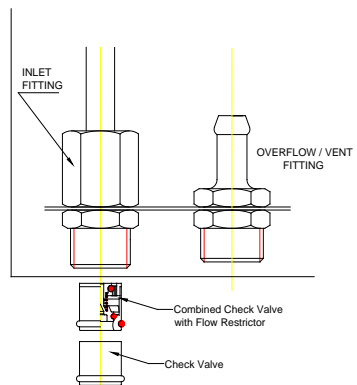


FIGURE 1
Pipe-Work connections
(as viewed from front)

ELECTRICAL CONNECTIONS

The electrical installation must be completed in accordance with AS/NZS3000.

Please check that the electrical supply is sufficient to meet the demands of the loading given on the appliance data label. All Zip boiling water units are designed for 230 VAC, 50 Hz mains operation and supplied with a flexible cord and plug.

WARNING: Do not loosen the cord grip or pull excess cord into the unit. If the supply cord of this equipment is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

THIS APPLIANCE MUST BE EARTHED

COMMISSIONING

- **FILLING:** Open the filling/shut off valve until water is visible in the sightglass. Fill to required level, between minimum and maximum labelled levels.

WARNING: Do not leave the unit unattended while filling. If the unit is inadvertently over-filled (maximum level exceeded) drain water off through the hot water tap until the level is below maximum level in the sightglass. Using this appliance when over-filled may cause boiling water to spurt out of the vent pipe which could cause harm to people in close vicinity.

- **TO BOIL WATER:** Turn the power on at the wall socket and press "start" switch. The neon light in the switch will glow while the element is heating. The element is automatically switched off when the water boils. The Zip boiling water unit will be ready to heat the water again within 50 to 80 seconds. To stop the unit during its cycle, switch off the power at the wall socket.

DRAINING THE UNIT

Capacities 4.5 and 7 litres – Drain the unit using the tap outlet

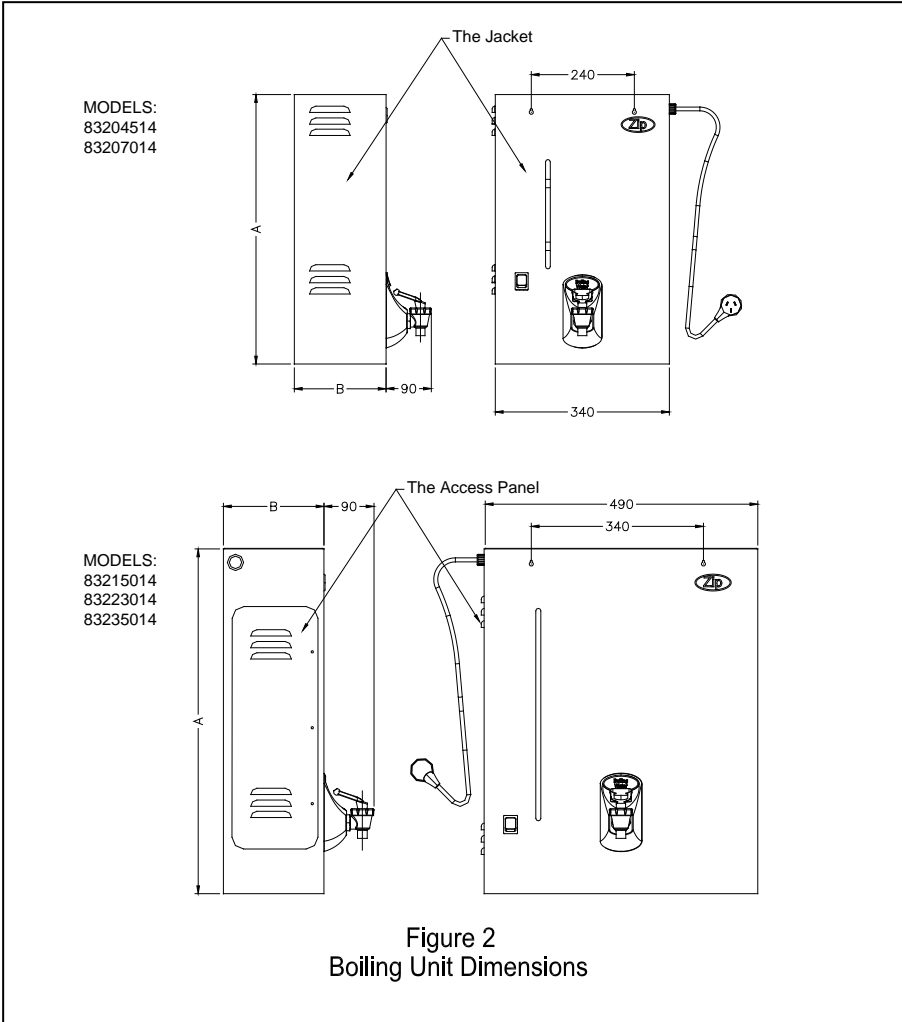
Capacities 15; 23 and 34 litres: There is a drain screw located on the underside of the appliance to completely drain the tank for servicing.

WARNING: This unit contains Boiling Water, please ensure the appliance is switched off and the water is cold before draining the water.

SIGHTGLASS SERVICE/REPLACEMENT

The silicone tubing adheres to the sightglass over a period of time so it may be necessary to cut the silicone off at the end of the sightglass. Excess tubing has been supplied to facilitate one sightglass change without the need to replace the silicone tubing.

On the of 15; 23 and 34 litres capacities; access to the sightglass is gained by sliding the tapered polystyrene insulation on the left hand side, out through the top of the unit and opening the sightglass retaining clips.



Model No.	832 045 14	832 070 14	832 150 14	832 230 14	832350 14
Delivery Capacity	4.5 l	7.0 l	15 l	23 l	34 l
Dimension A mm	430	515	615	615	615
Dimension B mm	180	180	180	235	325
Apx Weight Empty	9 kg	10 kg	15 kg	17 kg	20 kg
Apx Weight Full	16 kg	20 kg	35 kg	45 kg	62 kg
Element Rating (W)	2400	2400	2400	2400	2400

Approximate Heat Up Times From Cold (18 degrees Celsius)

Maximum Level	16 mins	23 mins	46 mins	67 mins	102 mins
Minimum Level	6 mins	6 mins	14 mins	24 mins	28 mins

WARRANTY

In addition to your legal rights, Rheem New Zealand Limited makes the following promise to the owner: We will repair or, if necessary, replace a defective Zip boiling water unit or part which has failed due to faulty manufacture, on the following terms and conditions:

Component	Model	Warranty Period (since installation)	Warranty
All Components	All Models	1 Year	New component or Zip boiling water unit (at Rheem's sole discretion) free of charge, including labour.
Inner Tank Assembly	All Models	More than 1 year and up to 5 years	New Zip boiling water unit free of charge, installation and labour costs are responsibility of the owner.

DURABILITY

Your Zip boiling water unit meets the durability requirements of New Zealand Building Code provided the boiling unit is:

1. Installed in accordance with the New Zealand Building Code and the Zip Installation & Owners Guide.
2. Maintained in accordance with these instructions.
3. Not damaged in any way.
4. Stored correctly prior to use, and
5. Your water quality remains within the requirements stated in the installation manual.

WARRANTY CONDITIONS

1. The Zip boiling water unit must be installed and maintained in accordance with the Zip Installation & Owners Guide supplied with the Zip boiling water unit and comply fully with all the requirements of the New Zealand Building Code.
2. The warranty applies to the faulty manufacture of the Zip boiling water unit only and does not cover any plumbing, or electrical parts supplied by the installer, that are not an integral part of the Zip boiling water unit, e.g. pipe-work, pressure limiting valve, stop valves, etc.

WARRANTY EXCLUSIONS

The Rheem Warranty does not cover repair or replacement work to the Zip boiling water unit or its components caused directly or indirectly by:

1. Accidental damage
2. Acts of God
3. Failure due to misuse
4. Incorrect installation
5. Attempts to repair the boiling water unit, other than by a Rheem Authorised Service centre, or the Rheem Service Department.
6. Excessive water pressure, negative pressure or excessive heat input.
7. Non-compliance with a) the Rheem Installation Instructions, b) relevant statutory regulations, c) NZ Building Code requirements

This warranty does not include any additional costs for removing a Zip boiling water unit where dismantling or removal of other materials is required, that is walls, doors or roofs.

Rheem New Zealand Limited will not pay claims for damage to furniture, carpets, walls, foundations or any other consequential loss either directly or indirectly due to leakage or other causes from a Zip boiling water unit.

Repairs to the Zip boiling water unit due to chemical/scale formation in waterways when the Zip boiling water unit has been connected to a harmful water supply as outlined on page 2 of the owners manual.

Service under this warranty can be provided by an **RHEEM AUTHORISED SERVICE CENTRE**

Such service will be provided during their normal business hours.

Additional mileage and cartage charges shall be made for any boiling water unit installed in a location exceeding 25 km from the nearest Rheem Authorised Service Centre.

Note: You may have other rights in addition to this warranty under the "Consumer Guarantees Act 1993".

RHEEM SERVICE DEPARTMENT
475 Rosebank Road, Avondale, Auckland

Phone: 0800 657 335

Fax: 09 829 0222

Or consult the Yellow Pages under "Plumbers" for your nearest Rheem Authorised Service Centre.

