ALIA



BOLLENTE USER & INSALLATION MANUAL

We are delighted that you have chosen ALIA Bollente electronic filtered instant boiling water appliance. This unique electronic instant hot water appliance will save you time and effort when requiring near boiling water for making tea and coffee and we are sure you will discover many new uses each day.

Please read and follow our step by step guide to the installation, operation manual for ALIA Bollente water appliance and you will soon be enjoying that first cup of coffee or tea from your new appliance

WHAT YOU NEED TO KNOW BEFORE YOU START

For your safety and satisfaction please read all the instructions, cautions and warnings before installing or using this electronic instant hot water appliance.

IMPORTANT NOTICE:

This appliance must be installed in accordance with the Australian plumbing code. Standard reference AS/NZS 3500.4

This applince must be installed with a AS 1357.2 certified pressure-control valve.
This appliance must be installed with an AS/NZS 2845.1 certified backflow prevention device

Make sure all electrical wiring and connections conform to local standards.

Make sure all water connections conform to local standards.

A standard 220/240v grounded 10 amp switched electrical outlet is required under the sink for the appliance electrical power and must supply electrical power continuously to the appliance.

The power outlet must be connected to a dedicated 10 amp GPO.

The instant hot water appliance is an open vented system appliance when not being operated the pressure is 100kPa. The operating pressure is 150 - 500kPa.

The water filter must be connected to the electronic instant hot water appliance and replaced every 6 months or the guarantee will be void.

Equipment Required:

- Tape measure
- Adjustable spanner

SAFETY INSTRUCTIONS PLEASE READ BEFORE YOU START

The alert symbols displayed on the right point to important safety information to make you aware of potential hazards that can cause serious injury or death. Please pay special attention to the information following these warning alerts. Failure to comply with these instructions could result in property damage, serious injury or death

Please read this chapter carefully for your own safety and the safety of those around you. Please read the safety information in this instruction, installation guide and on the product, in order to install and use the product accordingly, so as to avoid any injury. The safety information will tell you what the potential danger is, how to avoid it, and identify what will happen if you do not operate following the instruction.

Electric Shock: Using an ungrounded connection or improper connection of the power supply to the product can result in a serious injury or death from electrical shock.

Electric Shock:
- Do not remove the earthing terminal
- Do not reconstruct the plug
- Do not disassemble main box and any part for the power.

Important

The instructions are only intended as a guide, if there is any doubt then please contact a certified plumber or electrician or point of purchase and avoid using the appliance until it has been checked.

COMPONENTS INCLUDED

The ALIA Bollente filtered instant hot water appliance is supplied with the following:

- ALIA Bollente appliance with 10A AU plug
- ALIA Filter
- ALIA 4in1 Dispenser
- Inlet and Outlet Connectors 3/8” BSP to Silicon
- Inlet and Outlet Connectors 3/8” BSP to 1/2” BSP.

The water connections are to allow correct connections from the instant hot water tap to the electronic instant hot water Appliance.

IMPORTANT SAFETY INSTRUCTIONS

PLEASE READ ALL INSTRUCTIONS CAREFULLY

When using all electrical appliances, basic safety precautions should always be followed including the information below:

To protect against electrical shock, do not place cord, plugs or unit near or in water or other liquids and do not operate the electronic instant hot water appliance controls or power socket with wet hands.

Check the power rating of your Bollente electronic instant hot water appliance is suitable for the power rating of the electrical circuit it is being installed on.

Do not operate or install electronic instant hot water appliance if it appears to have any missing parts, be damaged / faulty Eg: damaged cord, plug.

Do not use outdoors or in a damp area.

Do not use the electronic instant hot water appliance for anything other than the intended Domestic use only.

The electronic instant hot water appliance must be installed vertically as shown on front cover with inlet and outlet connections at the top of appliance

Ensure the front of the unit is visible and the front temperature dial can be easily reached.

Do not attempt to open, modify or service this electronic instant hot water appliance. Repairs should be carried out by Authorised Service personnel. Opening the unit will void the guarantee.

The Bollente instant hot water appliance is an open vented system appliance when not being operated the pressure is 100 kPa . The operating pressure is 150 - 500kPa.

Turn off all controls before unplugging.

Do not unplug by pulling the cable. To unplug, grasp the plug, not the cable.

Property Damage: To avoid the risk of flooding, regularly inspect the connections for any signs of leakage.

This electronic instant water appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the electronic instant hot water appliance or instant hot water tap, a safety springback handle is used to control the flow of the near boiling water for additional safety.

INSTALLATION REQUIREMENTS

Electrical Requirements

A 220/240-volt, 50 Hz, AC-only 10A grounded electrical power supply is required. It is recommended that a separate circuit serving only your electronic instant hot water appliance be provided or use an outlet that can be turned on/off by a switch.

The ALIA Bollente instant hot water appliance is equipped with a power supply cord with a power plug. To minimise possible shock hazard, the cord must be plugged into mating, ground-type outlet, grounded in accordance with all national and local codes and ordinances. If a socket outlet is not available, it is the responsibility and obligation of the customer to have a properly grounded outlet installed by a qualified electrician

Water Supply Requirements

IMPORTANT: DO NOT INSTALL ALIA BOLLENTE APPLIANCE WHERE MICROBIOLOGICALLY UNSAFE WATER IS BEING USED.

Environment requirement

Don't install ALIA Bollente instant hot water appliance outdoors or in a location that may fall zero degrees C and below, as this will result to pipes, tank and dispenser to potentially freeze. Accidents and damages caused by this type of failure is not covered by ALIA Guarantee.

Washing the electronic instant hot water appliance with water directly is not allowed.
The installation environment should be ventilated, with protection from the direct sunshine. When installing the electronic instant hot water appliance, provide approximately 10cm to 15cm (4 - 5 ½") of air space on the sides of the unit for air circulation and approximately 2.5cm (1") from the mounting wall.

Instant Hot Water Tap Information

Connecting a standard tap may cause injury and will damage the ALIA instant hot water appliance and void your guarantee. Due to high water temperature, and for safety reasons, the Bollente instant hot water appliance is not under pressure.

Instant Hot Water Appliance Temperature Adjustment

For temperatures above 95C, ALIA Bollente has been set for optimum performance for most common and typical known installations. However there are factors which may influence the performance of the instant hot water appliance such as incoming water temperature, atmospheric pressure and altitude.

Should you experience any discharge of water from the spout during heat up, you can reduce the setting to compensate for this by 1- 2C degrees. If in doubt please ask your dealer or ALIA help line for further guidance.

PREPERATION FOR INSTALLATION

Unlike other household hot water appliances, this electronic instant hot water appliance is Non Pressurised for safety reasons. For this electronic instant hot water appliance, the Instant Hot Tap is placed before the electronic instant hot water appliance, creating an “open vent” system and consequently no pressure is built up inside the appliance.

IMPORTANT: Install the Instant Hot Water Tap in accordance with the fitting Instructions provided with the Hot Water Tap.

Preparation for the electronic instant hot water appliance installation
IMPORTANT: Observe all local governing codes and ordinances.
The electronic instant hot water appliance must be mounted vertically and level.
Before you begin, select a proper location ideally directly under the instant hot water tap or close to it to ensure the connection pipes will connect from the instant hot water tap to the electronic instant hot water appliance.

The Bollente appliance is not under pressure, consequently, there is a slight delay in water flow after the hot water springback tap handle has been turned on.
This is normal and indicates that the electronic instant hot water appliance is functioning properly

It is recommended that you have access to a separate power circuit serving only your electronic instant hot water appliance. See previous pages for more information on “ELECTRICAL REQUIREMENTS”.

INSTALLATION

Step 1– Position the Instant Hot Water Appliance

Ensure the electronic instant hot water appliance is NOT connected to the Electric Power during installation.

Place the electronic instant hot water appliance in position and check to ensure that the instant hot water tap connection pipes and the power cord will reach without being stretched.

The electronic instant hot water appliance must be positioned so the tubes from and to the instant hot water tap do not twist or kink.

Step 2 – Connect Tap

The electronic instant hot water appliance inlet connection is a 3/8” BSP male threaded connector. The outlet connector is a 3/8” BSP male thread connector.

Check the connections type and size on the instant hot water tap for the inlet and outlet connections.

Screw on the inlet and outlet pipe the correct connectors and tighten with a wrench.

INSTALLATION CONTINUED

Connect the cold and hot tap inlet hoses to the mains in the normal way. Fitting a pressure reducing valve to the cold mains inlet if the mains pressure is above 500kPa. Tighten gently with a wrench and move to check the complete installation for leaks.



Step 3 – Priming and Checking for Water Tightness

Before the electronic instant hot water appliance is plugged into the power socket it must be tested for water tightness and no leaks.
Flush the non spring (filter valve) to purge the filter for 60 seconds. Then run the water from mixer side to allow water to flow to the dispenser.
Final step: Turn the spring backwards (instant hot water handle) and hold to fill the electronic instant hot water appliance until you see constant water being dispensed from tap; This will take about 90 seconds.

When the electronic instant hot water appliance is full, water will flow from the instant hot water tap spout.

Turn the instant hot water handle off and check all connections for water tightness and leaks.

Any leaking joint must be tightened to ensure no water leakage and the above priming undertaken again and checked for water tightness before connecting to the power socket.

Step 4 – Electrical Connection

Ensure that the installation area is dry and no water has spilled.

Connect the plug to the power socket and turn on the power socket at the switch.

The electronic instant hot water appliance display panel will now light up with the on / off button illuminated.



Step 5 –Electronic Instant Hot Water Appliance Operation

Electronic Control Display Panel



ON/OFF to control the power it will also control the display ON/OFF.

Confirmation and heating control switch

Temperature setting, 7 temperature settings:
35°C/55°C/85°C/95°C/ 96°C/97°C/ 98°C

To turn on the electronic instant hot water appliance touch the button and the display will light up.

Touch the button and press each time so that the temperature settings will change from 65°C to 98°Ccontinue to press till the required temperature is seen

To confirm the temperature and start the electronic instant hot water appliance press the button and the electronic instant hot water appliance will start to heat up the water



If the electronic instant hot water appliance is empty of water and is turned ON then this will be automatically sensed, the heating element will not energise and the “lack of water” indictor will be flashing on the display panel shown by the flashing of the E3

If the “lack of water” indicator is seen the dry-burn protection sensor has activated automatically due to the lack of water in the electronic instant hot water appliance.

If the “lack of water” indicator is seen then touch the power off button and prime the electronic instant hot water appliance using the instruction set out earlier to fill with water.

If the electronic instant hot water appliance is not powered off or filled with water then after approximately 5 minutes the electronic instant hot water appliance will automatically power down until it is primed with water using the instruction set out earlier.

The Actual Temperature will display the approximate water temperature at the thermostat position. When the electronic instant hot water appliance is in heating mode there will be a moving red arc line of lights to indicate the electronic instant hot water appliance is heating up. Once the required set temperature is reached the red arc line will become static. There are two display boxes Heating and Hot when the tank is heating up the Heating will be lite and when temperature is achieved this will then lite up the Hot display box.

When the instant hot water is drawn from the instant hot water tap or the water temperature falls in the electronic instant hot water appliance falls below the required temperature setting then it will automatically re heat to the required temperature setting.

To turn off the electronic instant hot water appliance at any time press the  button.

MAINTENANCE AND CARE INSTRUCTIONS CONTINUED

Flushing the Instant Hot Water Tank

It is recommended that the user flushes through the system completely by drawing off the instant hot water and allowing to reheat and repeating the process for a further 2 or 3 times to ensure the system is fully operational.

Water Draw Back and Contamination in the Tank

During the filling of any vessel the user must ensure at all times that the spout outlet is not submerged in the water during the dispensing of the instant hot water and especially when the instant hot water handle is released.

Maintenance & Power Saving

If the electronic instant hot water appliance is not being used for long periods of time ie: over 2 days, to save power we recommend you switch off using the “ON/OFF” switch.

Seasonal Shutdown

The hot water system (tank and tap) must not be exposed to freezing temperatures. If there is a possibility of this the system must be drained of water. Shut-off the mains supply and unplug the unit from the electricity mains and allow the tank to cool for at least 1 hour. Disconnect the inlet supply to the tank and remove the silicone hose outlet pipe, lift the unit to the sink, turn upside down and drain all the water from the tank. When reinstalling follow the original installation instructions.

NOTICE

In order to ensure maximum protection and to avoid possible damage to your Bollente appliance and any property or personal injury, please inspect your appliance on timely basis.

Upton initial installation check for any signs of water leakage, if there is any water leakage then replace any loose or split silicon tubes or flexi tails which can cause water leakage and damage. To provide additional water security to avoid property damage the electronic instant hot water appliance can be placed in a drain pan and connected to a suitable drain outlet to avoid any water damage. The drain pan should be installed using the manufacturers installation instructions.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Water and Steam is spitting from the instant hot water tap spout	Unit is boiling	Turn the instant hot water tap handle on and release the water. Adjust the water temperature on the display to a lower setting. Check aerator is not blocked Bleed system to remove any air Re-Prime bladder to allow correct operation.
Water is not hot.	The electronic instant hot water appliance is unplugged. The electronic display has not been powered up	Make sure the electronic instant hot water appliance is plugged in and connected to a grounded electric outlet Make sure that the circuit breaker and fuse are working correctly
	Water temperature setting on display panel is set to high.	Turn on the power and touch the on / off button and then set the required temperature and confirm the heat up. Re-set the temperature to the required temperature and confirm the heating up
Water is dripping from the instant hot water tap spout.	The expansion chamber isn't draining the system correctly due to very small draw off of water	Draw off 0.5L of water to clear and prime the system. Avoid less than 150ml draw offs of water.
	The spout is blocked	Remove and clean the aerator

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Slow Flow from the spout	Water Filter may be clogged from impurities in the inlet mains water	The water filter must be changed every 6 months or this will void the guarantee
Water does not flow straight away	The electronic instant hot water appliance is design for non-pressurised operation and there will be slight delay till the near boiling water appears	After a large volume of water has been drawn off there may a slightly longer delay in the water appearing from the instant hot water tap spout
No Water Flowing	Water Valves have been turned of	Turn on all the water valves
	Inlet Pipes have been twisted or blocked	Ensure the pipes are not twisted or kinked to restrict flow
		Remove and clean the aerator
		Remove the electronic instant hot water appliance as per the de scaling instructions and flush through all pipes to ensure water flow.

IF YOU ARE STILL EXPERIENCING ISSUES WITH YOUR APPLIANCE, PLEASE CALL ALIA