

# **Electronic Instant Hot Water Appliance**

## **Installation, Operation and Care Instructions**



Please read these instructions fully before commencing the installation and operation of the Electronic Instant Hot Water Appliance



We are delighted that you have chosen the electronic instant hot water appliance to complement your instant hot water faucet. 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 and care for the electronic instant hot water appliance and you will soon be making 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.

This electronic instant hot water appliance is not intended for commercial use

**IMPORTANT NOTICE:** This product can cause harm if installed incorrectly and should only be installed by a competent person, if you feel for any reason unsure about the installation please contact a qualified plumber or electrician to install the appliance.

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

Make sure all water connections conform to local standards.

**A standard 220/240 v grounded 13amp 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 the 10amp fused plug supplied with the tank.

**The instant hot water appliance is an open vented system appliance when not being operated the pressure is 1.0bar. The operating pressure is 1.5bar to 5bar.**

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

### Equipment Required:

Tape Measure



Adjustable Wrench





## 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 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 electronic instant hot water appliance is supplied with the following:

Electronic Instant Hot Water Appliance with 10amp EU Plug

The water connections are to allow correct connections from the instant hot water faucet to the electronic instant hot water appliance.

Outlet Connectors 3/8 " BSP to Silicon tube.



# IMPORTANT SAFETY INSTRUCTIONS

**PLEASE READ ALL INSTRUCTIONS CAREFULLY**



**WARNING**

**DANGER**

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 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 the 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 instant hot water appliance is an open vented system appliance when not being operated the pressure is 1.0bar. The operating pressure is 1.5bar to 5bar.**

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 faucet, 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, 50Hz,AC-only 13amp fused, 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.**

This electronic 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



If local codes permit, the instant hot water faucet feed line should be connected to the hot and cold water supply line using an isolation valve or another means for providing the hot and cold water to the faucet. **IMPORTANT:** If local codes do not permit the use of isolation valves, special feed valves can be obtained from your local plumbing supply distributor.

If the water is mixed with impurity, ironing chips, grains of sand, and so on, the pipes of the electronic instant hot water appliance and faucet will be blocked and will void the guarantee.



## Environment requirement

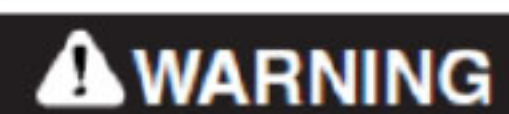
Don't install the electronic instant hot water appliance outdoors or in a location that may fall below **ZERO degree C**, otherwise the pipes and the faucet and tank will be frozen and there will be serious safety trouble, possible bodily-injury, accidents and damaged caused and the guarantee will be void.

It's forbidden to wash the electronic instant hot water appliance with water directly.

The installation environment should be ventilated, with protection from the direct sunshine. When installing the electronic instant hot water appliance, provide approximately **4 - 5 ½" of air space on the sides of the unit for air circulation and approximately 1" from the mounting wall.**

The environment humidity should be in the range of 10% to 60%. Be sure there is no dew.

## Instant Hot Water Faucet Information



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

## Instant Hot Water Appliance Temperature Adjustment

For temperatures above **95C**:- it has been set for optimum performance in 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- 2 degrees**. If in doubt please ask your dealer 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 Faucet** 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 Faucet in accordance with the fitting Instructions provided with the Hot Water faucet.**  **WARNING**

**Preparation for the electronic instant hot water appliance installation**

**IMPORTANT: Observe all local governing codes and ordinances.**  **WARNING**

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 faucet or close to it to ensure the connection pipes will connect from the instant hot water faucet to the electronic instant hot water appliance.

The electronic instant hot water appliance is not under pressure, consequently, there is a slight delay in water flow after the hot water springback faucet 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**  **WARNING**

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 faucet 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 faucet do not twist or kink.



## INSTALLATION CONTINUED

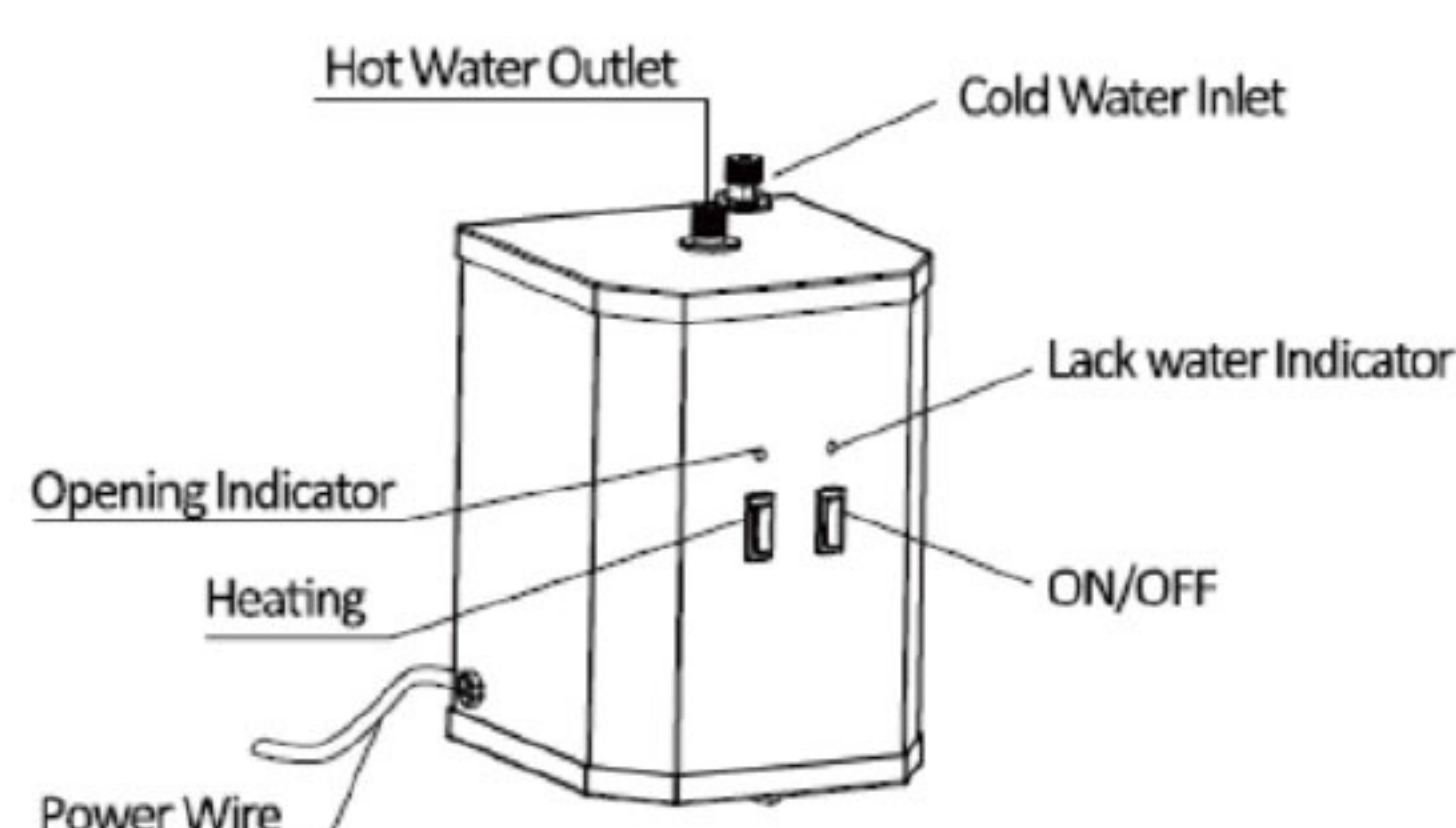
### Step 2 – Connect Faucet

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 faucet for the inlet and outlet connections.

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

Connect the cold and hot faucet 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 5bar. Tighten with a wrench, **hand tight plus quarter turn** 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.

Open all water valves to allow water to flow to the instant hot water faucet.

Turn the spring back instant hot water handle and hold to fill the electronic instant hot water appliance this will take about 90 seconds.



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



## INSTALLATION CONTINUED

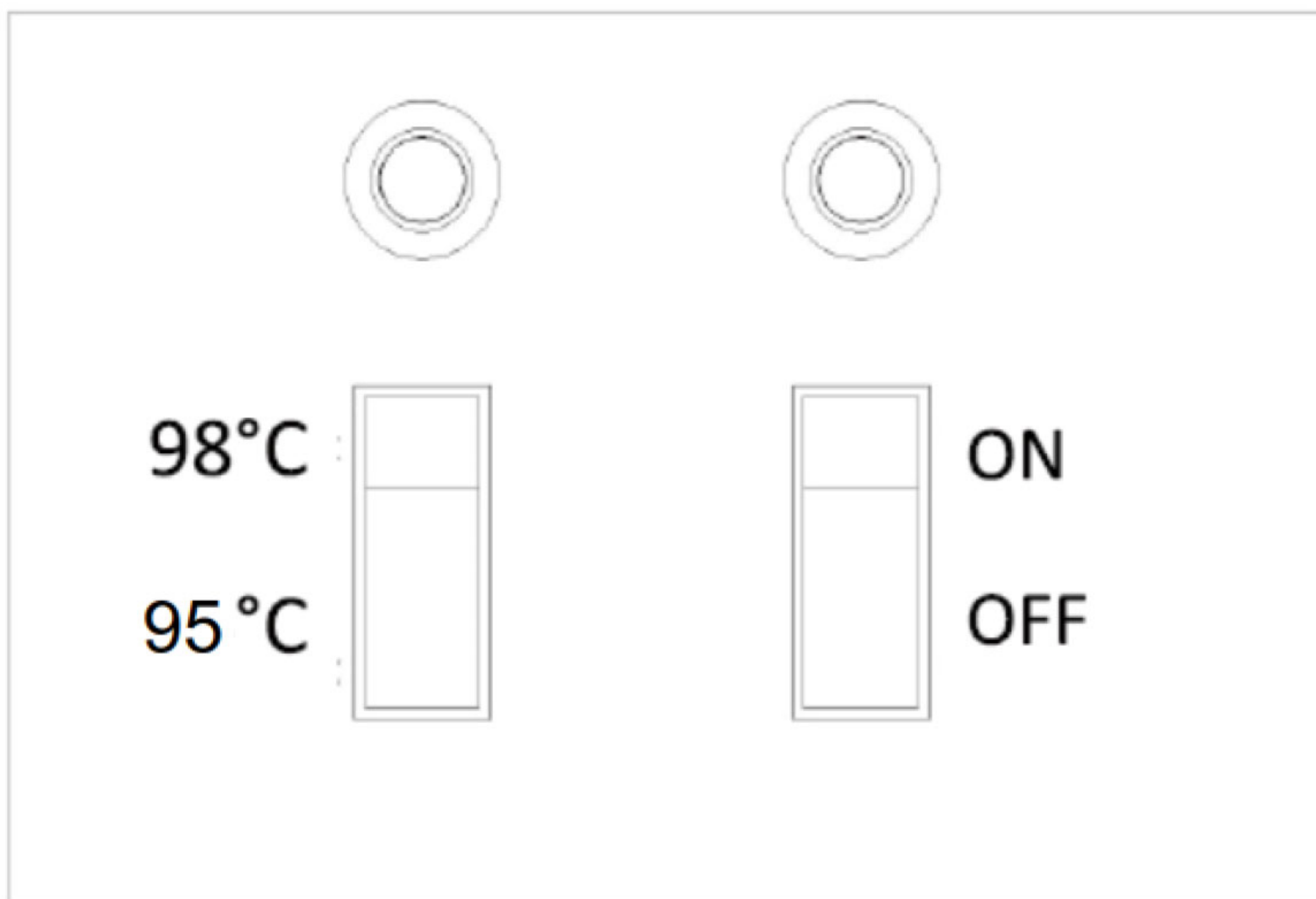
### Step 4 – Electrical Connection

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



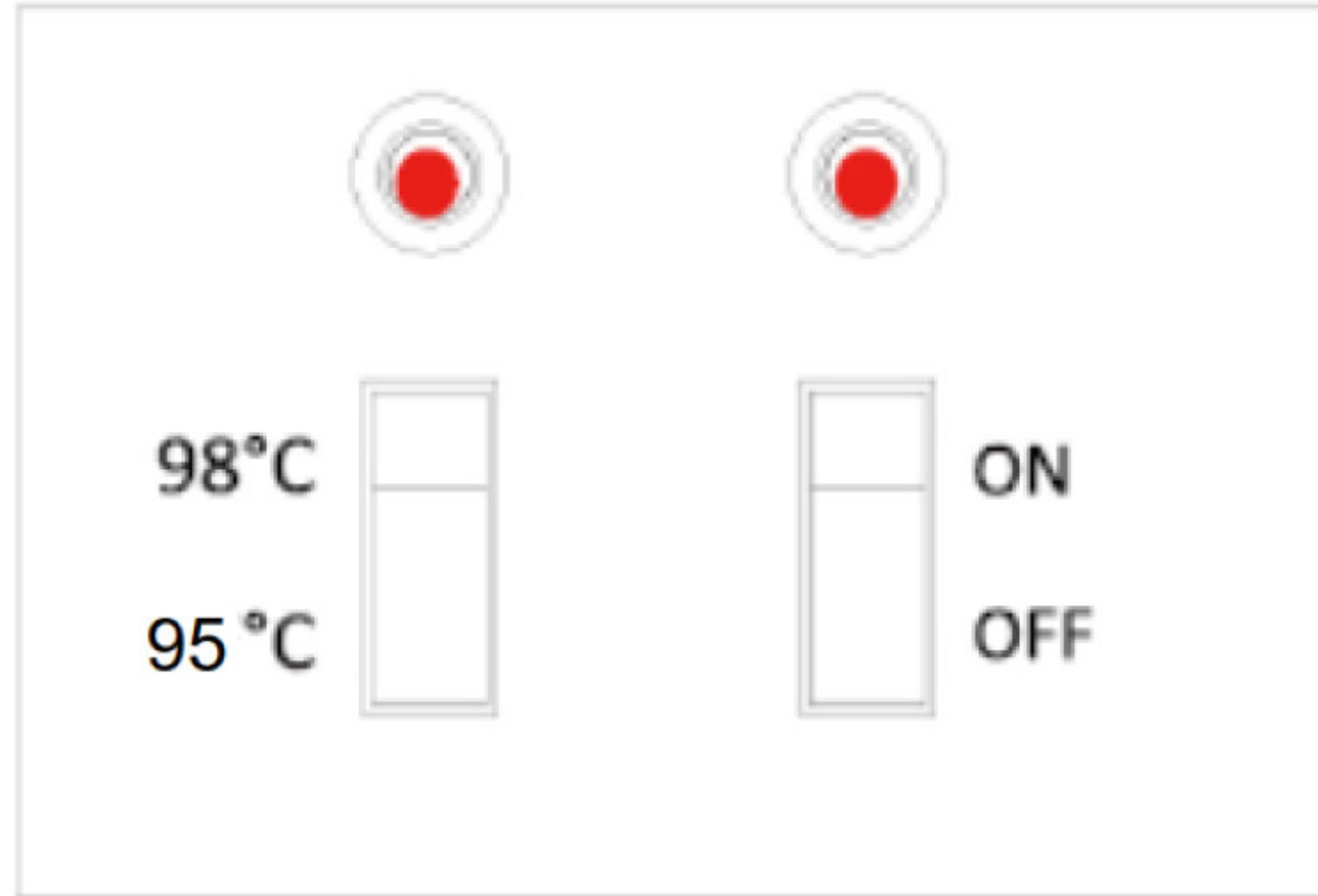
**ON/OFF to control the power. The light will illuminate Green**  
**Temperature setting, 2 temperature settings: 95 C/ 98c**



**To turn on the instant hot water appliance, Push the button to the ON**  
**Position, Push the button to set the temperature at either 95 or 98.**



## INSTALLATION CONTINUED



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” indicator will light up red.

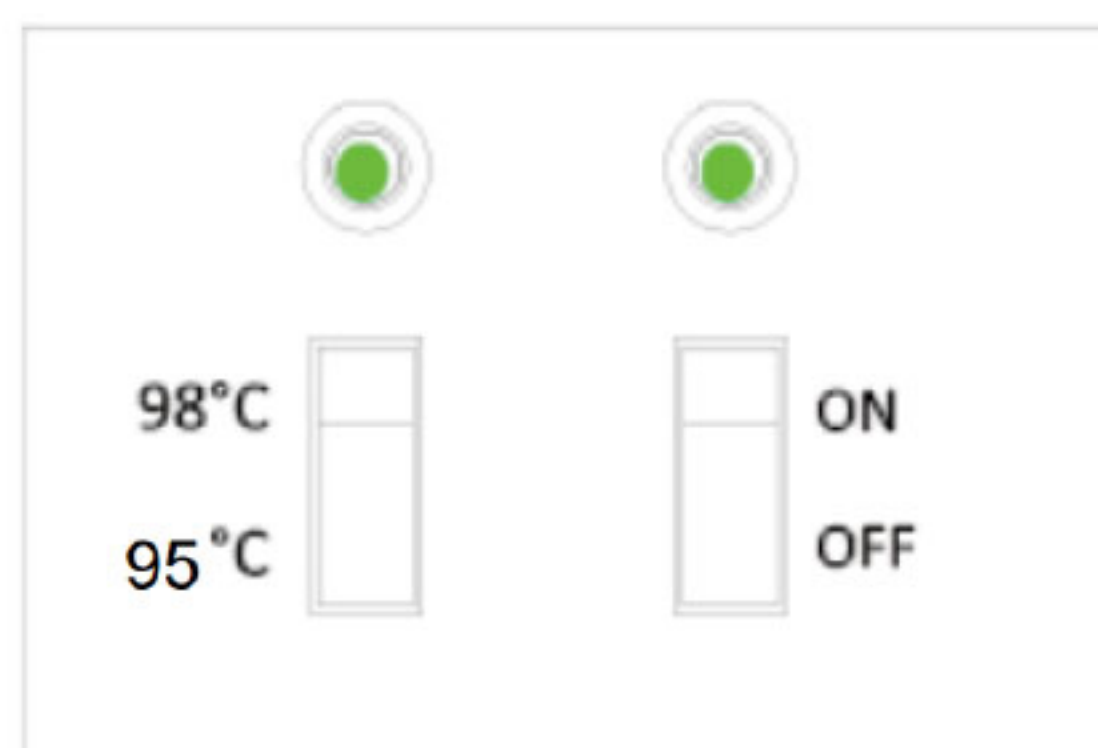
If the “lack of water” indicator is seen the dry-burn protection sensor has activated automatically due to the lack of water in the electronic instant hot water appliance.

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

The light will then change from Red to Green.

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.

Once the temperature is set, the light will show Red while the tank is being heated. Once temperature has been reached the light will turn to Green.



When the instant hot water is drawn from the instant hot water faucet 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 center 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 faucet) 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 re-installing follow the original installation instructions.

## NOTICE

The electronic instant hot water appliance like any water heater has a limited operational life span and will eventually fail. In order to ensure maximum protection and to avoid possible damage to any property or personal injury the electronic instant hot water appliance should be inspected regularly for any water leakage or damage.

Regularly 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.



## TROUBLE SHOOTING

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>WHAT TO DO</b>
Water and Steam is spitting from the instant hot water faucet spout	Unit is boiling	Turn the instant hot water faucet 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.	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
	The electronic display has not been powered up	Turn on the power and touch the on / off button and then set the required temperature and confirm the heat up.
Water is too hot.	Water temperature setting on display panel is set to high.	Re-set the temperature to the required temperature and confirm the heating up
Water is dripping from the instant hot water faucet 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



## TROUBLE SHOOTING CONTINUED

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>WHAT TO DO</b>
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 faucet spout
No Water Flowing	Water Valves have been turned off	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 IN ANY DOUBT THEN POWER OFF THE ELECTRONIC INSTANT HOT WATER APPLIANCE AND CALL THE SERVICE AGENT**