

Electronic Instant Hot Water Appliance

Installation, Operation and Care Instructions



Please read these instructions fully before commencing the installation and use

We are delighted that you have chosen our electronic instant hot 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 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 220/240v grounded 13 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 the 13amp fused plug supplied.

The instant hot water appliance is an open vented system appliance.

The operating pressure of 1.5 bar to 5 bar.

Our water filter must be registered when first installed and connected to the electronic instant hot water appliance. Failure to change the filter every 6 months may invalidate your guarantee.

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 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 electronic instant hot water appliance is supplied with the following:

Electronic Instant Hot Water Appliance with 13amp UK Plug

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

Outlet Connector 3/8" BSP to Silicon.

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 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 e.g. 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. The operating pressure is 1.5 to 5 bar.

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 WARNING

A 220/240-volt, 50 Hz, AC-only 13 amp 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 WARNING

If local codes permit, the instant hot water tap 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 tap. 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 tap will be blocked and will void the guarantee.

Environment requirement WARNING

Don't install the electronic instant hot water appliance outdoors or in a location that may fall below zero degrees 0°C, otherwise the pipes and the tap 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 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. The environment humidity should be in the range of 10% to 60%. Be sure there is no dew.

Instant Hot Water Tap Information WARNING

Connecting a standard tap 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 95°C:- The system has been set for optimum performance in most common installations. However there are factors which may influence the performance of the instant hot water appliances, such as incoming water temperature, atmospheric pressure and altitude. Should you experience any discharge of water from the spout during heating up, you can reduce the setting to compensate for this by 1-2°C. If in doubt 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 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 

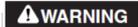
IMPORTANT: Observe all local governing codes and ordinances.

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 electronic instant hot water appliance is not under pressure, consequently, there is a slight delay in water flow after the hot water spring back 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

[Register your appliance at www.watersolutionsdirect.com](http://www.watersolutionsdirect.com)

Step 1– Position the Instant Hot Water Appliance 

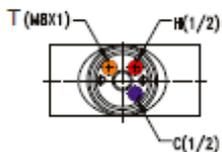
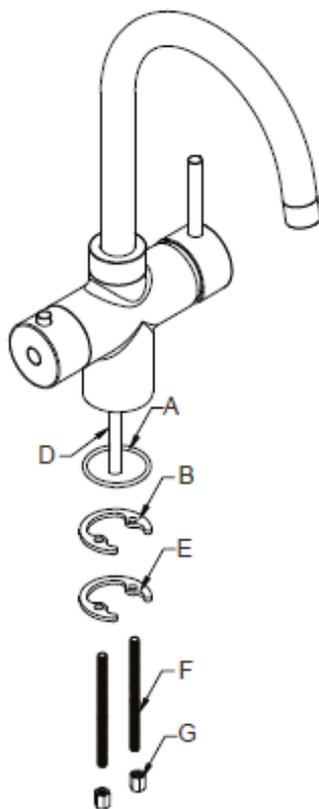
Ensure the electronic instant hot water appliance is **NOT** connected to the Electric Power during installation.

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.

INSTALLATION CONTINUED

Step 2 – Connect Tap

Should you require any advice on the installation then please seek guidance from your Retailer or a Qualified Plumber.

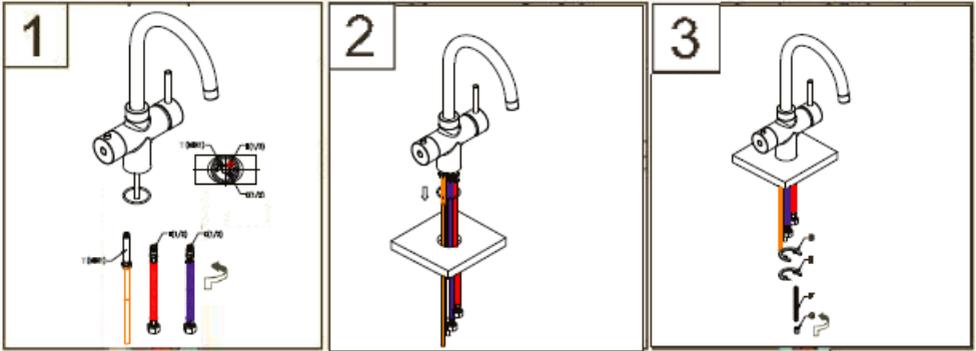


BOM

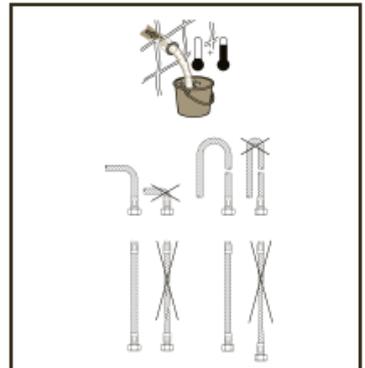
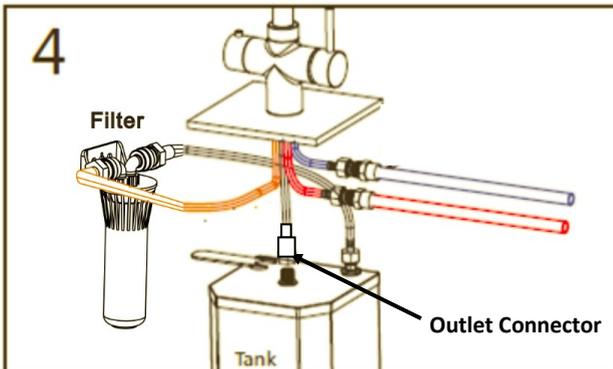
- A) Tap base seal
- B) Mati rubber resistant gasket
- D) Silicon tube
- E) SS stabilising ring
- F) Fixing screws
- G) Locking nuts
- H) Hot (red) flex pipe
- C) Cold (blue) flex pipe
- T) Orange PE pipe
- I) White PE pipe



INSTALLATION CONTINUED



1. Assemble pipes to the underside of tap as marked:-
Blue Pipe to C and Mains Hot to H and Orange pipe to T, on the underside of the tap. See Diagram 1.
2. Fit Seal A at the Bottom of Tap – See Diagram 1.
3. Feed Tap into the 35mm Diameter Hole. See Diagram 2.
4. Screw F into the base of the tap. See Diagram 2.
5. Position Seal (B) and Stabilising Ring onto screw (F). See Diagram 3.
6. Fasten tap to sink / work surface with nut (G).



INSTALLATION CONTINUED

Step 2 – Connect Tap

How to use your 3-1 Sink Mixer Tap with Instant Hot Water:

- (i) For Instant Hot Water depress the small button on left hand side of the tap. Keep the button pressed down and rotate the handle to dispense instant hot water from the tap.
- (ii) For mixed water, pull large lever on right side away from the body, then rotate backwards for mains hot & forwards for mains cold water dispensing.

Regulations Requirements :

It is important to ensure that the water supplies to your tap, is connected in accordance with the water regulation requirements, plumbing code and good plumbing practice.

Water Supply Pressures :

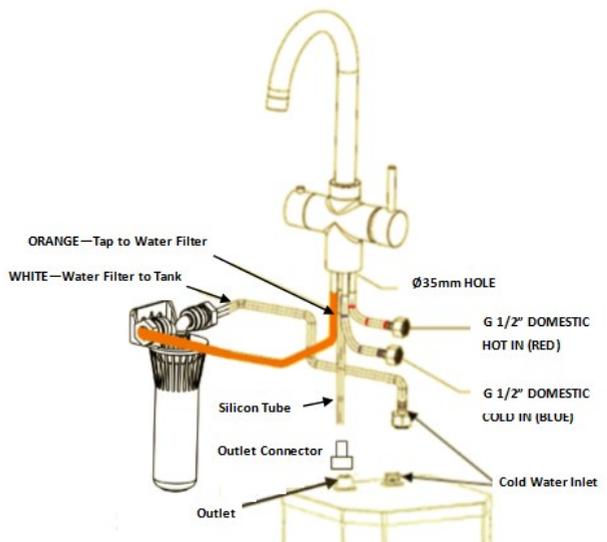
This tap has been designed to function with a minimum supply pressure for cold water of 1.5bar. The Maximum supply pressure must not exceed 5 bar. Should excessive pressure be experienced, a Pressure Reducing Valve must be used.

Important:

Care and Maintenance of the Tap:

Only clean the tap with a soft cloth, warm water and a mild detergent solution. Rinse the tap clean thoroughly afterwards with water. Do not use any abrasive or harsh chemical products; otherwise this will invalidate your guarantee.

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.



FILTER INSTALLATION

1. Screw the 'snap fit' bracket into place in the required location using the central screw point.



2. Screw the 'snap fit' bracket or rotary wall plate into the marked location. If the rotary wall plate option has been used, attach the bracket to the wall plate at the required angle, using the screw provided. Always ensure the location lug is pointing upwards.
3. Locate the filter head into the bracket until you feel it click into place (it will only fit one way - with the black location arrows directly facing you).
4. Remove rubber dust caps from inlet and outlet of filter.



5. Standard 3/8"- 1/4" push fit elbow 90° fittings are supplied with the product. Fit the push fit fittings to the upstanding port spigots ensuring that the blue 'U clip' is in place – this is required for push fit removal on cartridge change. Use the white spanner to assist pushing it into place if need be.



A – Fit the Tap outlet flex with White label to push into the 'OUT' connector.

B – Fit the Tap inlet flex to push into the 'IN' connector – Use flex with Orange label.

6. Turn on the water supply and check for leaks. We recommend that you flush at least 2 litres of water through the system. Write the installation and filter change dates on the label.



INSTALLATION CONTINUED

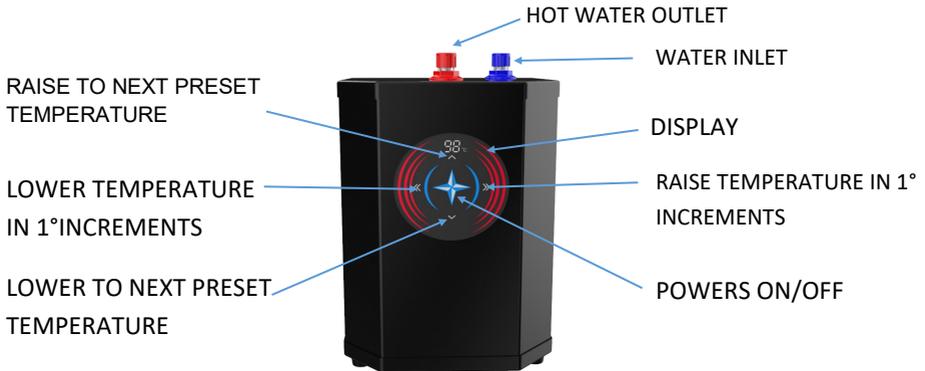
Step 3 – Priming and Checking for Water Tightness

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 tap.

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 tap spout.



Turn the instant hot water handle off and check all connections for water tightness and leaks. Initially, as air is purged, the outlet may spit or splutter. To remove air from the system continue operating the tap lever.



WARNING

DANGER

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

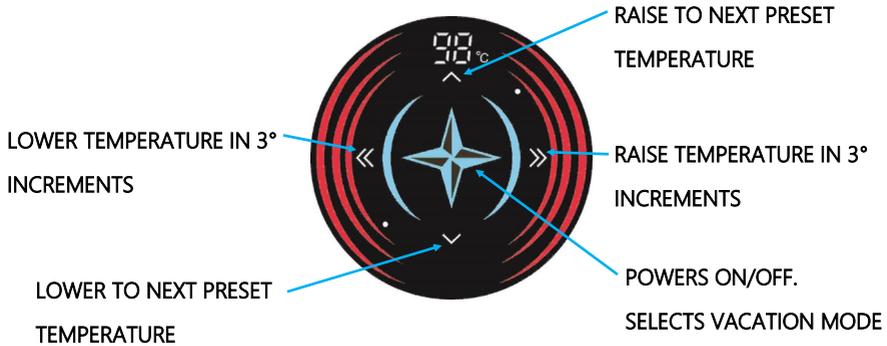
Ensure that the installation area is dry and no water has spilled.

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



Step 5 –Electronic Instant Hot Water Appliance Operation Electronic Control Display Panel

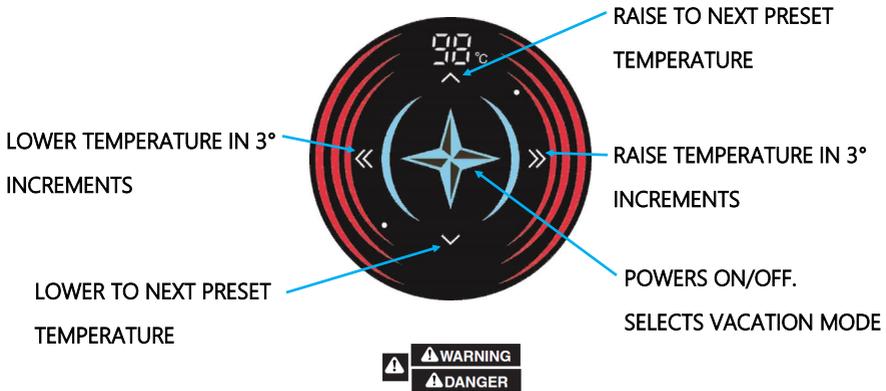


Pressing the temperature buttons above will set the temperature. <> will be move by 1° C and \wedge \vee will move up and down the presets from 98Cmax. 97; 96 95; 90; 85 and 75C. When heating the red segments will pulse on and off . After processing validation checks the tank it will start to heat up after a delay of 10 seconds.

Once the tank reaches temperature the temperature can fall by 3C before the system starts the reheat cycle.

Touch the \wedge \vee button and press each time so that the temperature settings will change from 75°C to 85 to 90 to 95 to 96 to 97 to 98°C continue to press until the required temperature is seen. The temperature will loop round.

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 be flashing on the display panel shown by the flashing of the E3 warning. code.

If the E3 “lack of water” code 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” code 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.

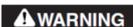
When the instant hot water is drawn from the instant hot water tap or the water temperature falls 3°C below the required temperature setting then it will automatically re-heat to the required temperature setting. will automatically re heat to the required temperature setting.

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 i.e.: 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

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

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 not blocked.

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 heating cycle.

Water is dripping from the instant hot water tap spout.

Water temperature setting on display panel is

Re-set the temperature to the required temperature and

The expansion chamber isn't draining the system correctly due to very small draw off of water

Blockage / Restriction after tank

Draw off 0.5L of water to clear and prime the system. Avoid less than 150ml draw offs of water. Check for kinks in silicon tube. Ensure silicon tube is cut to optimum length. Remove and clean the aerator.

TROUBLE SHOOTING CONTINUED

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 . Failure to change the water filter every 6 months may invalidate your warranty.
Water does not flow straight away.	The electronic instant hot water appliance is designed 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 off.	Turn on all the water valves
	Inlet Hoses have been twisted or blocked.	Ensure the pipes are not twisted or kinked to restricting the flow.
Water is too hot.	Water temperature setting on display panel is set too high.	Re-set the temperature to the required temperature and confirm the heating cycle.

IF YOU ARE IN ANY DOUBT THEN POWER OFF THE ELECTRONIC INSTANT HOT WATER APPLIANCE AND CALL THE SERVICE AGENT



Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)

This symbol on the product(s) and / or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge.

Alternatively, in some countries you may be able to return your products to your local retailer upon purchase of an equivalent new product.

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union. If you wish to discard this product please contact your local authorities or dealer and ask for the correct method of disposal.



The water filter must be installed and connected to the electronic instant hot water appliance. Failure to change the water filter every 6 months may invalidate your warranty.