

Installation & User Guide for 3 in 1 Sink Mixer Tap with Instant Hot Water



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 our instant boiler and tap. 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 electronic instant hot water 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 when not being operated the pressure is 1.0bar. The operating pressure is 1.5 bar to 5 bar.

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

Equipment Required:

Tape Measure



Adjustable Wrench



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 product until it has been checked.

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.

Inlet and Outlet Connectors 3/8"BSP to Silicon 

Inlet and Outlet Connectors 3/8"BSP to 1/2"BSP. 

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.

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 may void the guarantee.

The instant hot water appliance is an open vented system appliance when not being operated the pressure is 1.0.bar. The operating pressure is 1.5 bar 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 unit 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 spring back handle is used to control the flow of the near boiling water for additional safety.

Electrical Requirements



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 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

Water Supply Requirements



If local codes permit, the instant hot water tap feed line should be connected to the hot and cold water supply line using isolation valves 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.

Environment requirement



Don't install the electronic instant hot water appliance outdoors or in location that may fall below zero degrees C, otherwise the pipes and the tap will be frozen and there will be serious safety trouble, possible bodily injury, accidents and damage caused.

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 1/2") 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

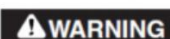


Connecting a standard Tap may cause injury and will damage the electronic instant hot water appliance and void the guarantee. Due to high water temperature, and for safety reasons, the electronic instant hot water appliance is not under pressure.

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.

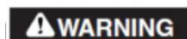
Before you begin, select a suitable location ideally directly under the instant hot water tap or close to it to ensure the connection pipes will connect from the instant hot water tap to the electronic instant hot water appliance.

The electronic instant hot water appliance is not under pressure, consequently, there is a slight delay in water flow after the Hot Water 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".

Ensure that the electronic instant hot water appliance is placed so that you will be able to view and reach the touch control on the front face for adjustments.

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.

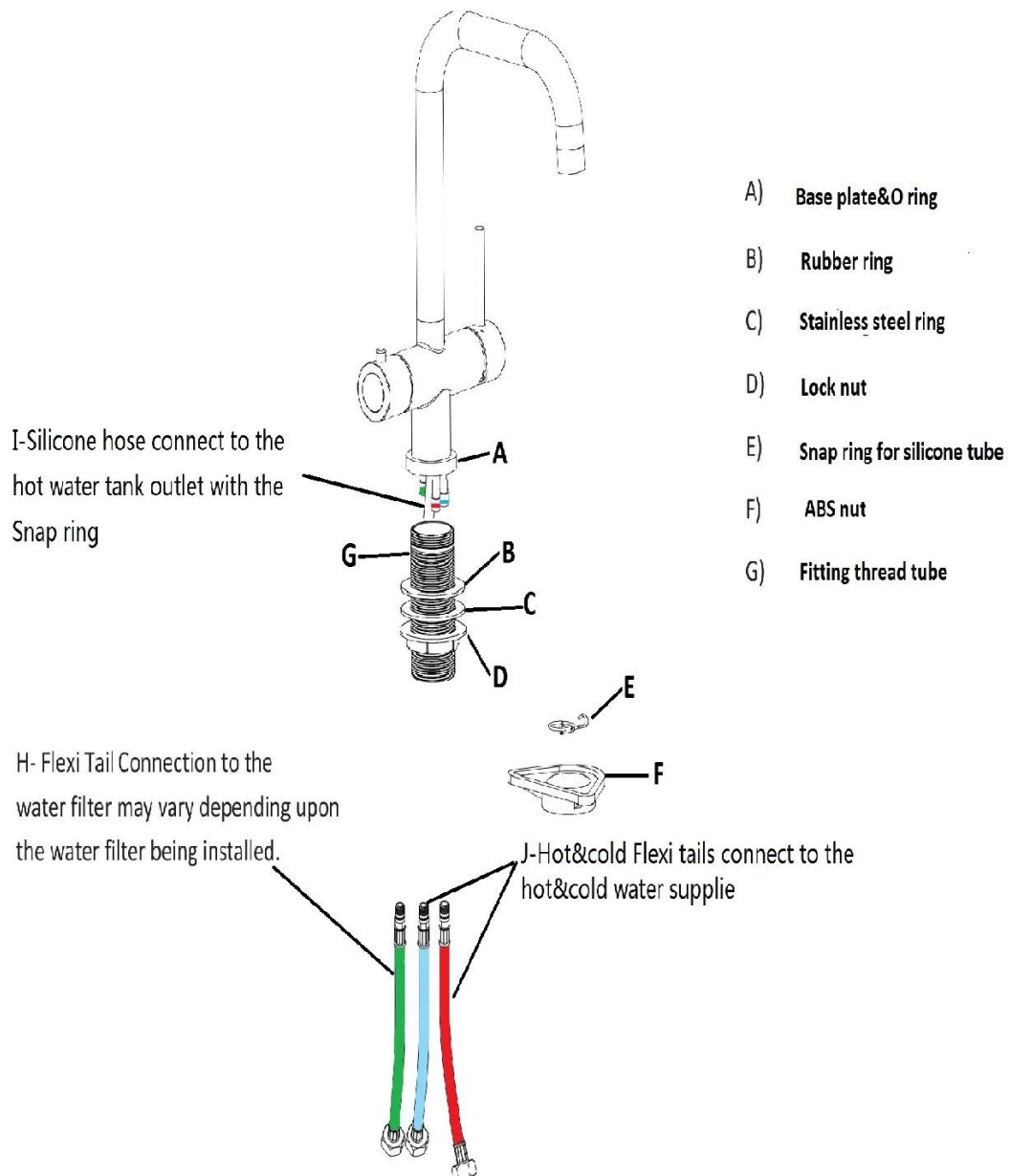
Step 2– Connect Tap

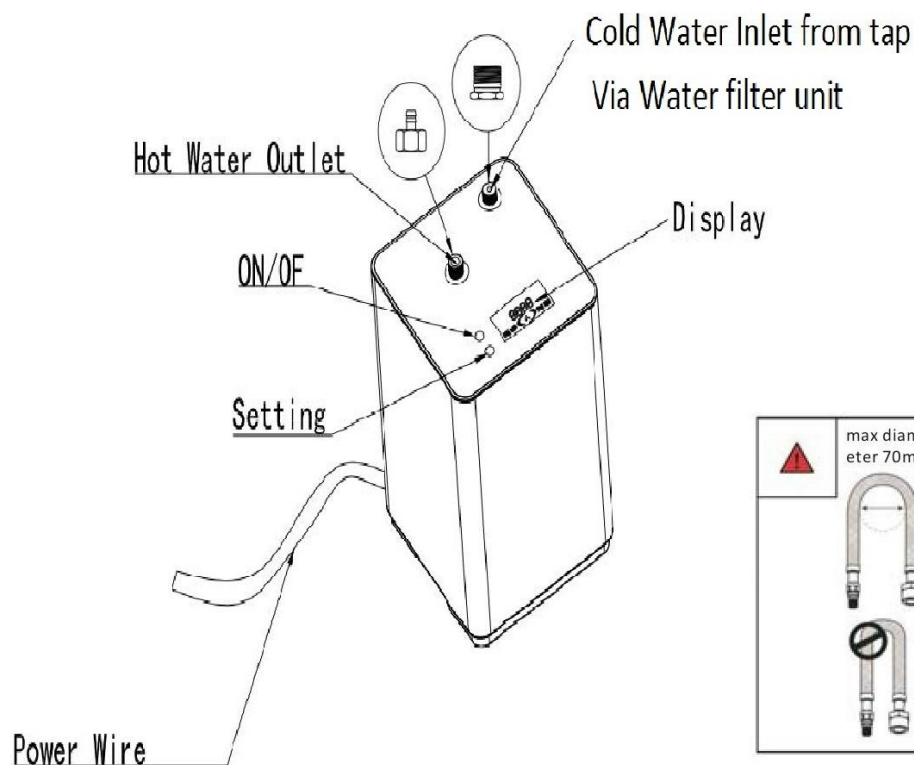
The electronic instant hot water appliance inlet connection is a 3/8"BSP male threaded connector. The outlet connector is 3/8"BSP male thread connected to a push on connector.

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

Put the 3/8"BSP to Silicon adapter on the hot water outlet and put 3/8"BSP to 1/2"BSP adapter on the cold water inlet. Screw both adapters with wrench.

Connect the tank (via the filter unit) with the tap according to below drawing. Fitting a pressure reducing valve to the cold mains inlet if the mains pressure is above 5bar. Tighten with a wrench and move to check if the complete installation leaks.





Avoid kinking tubes during installation as this could restrict flow and cause malfunctioning of appliance.

Do not use pipe sealing compounds on any connections. These can foul the internal mechanics and may cause objectionable taste and odour.

Plumbing connections must comply with all sanitary, safety and plumbing standards.

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.

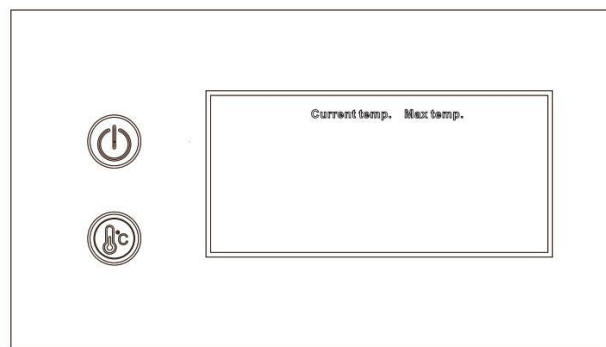
Any leaking joint must be tightened to ensure no water leakage and the above priming undertaken again and checked for water tightness before connecting to the power socket.

Step 4–

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

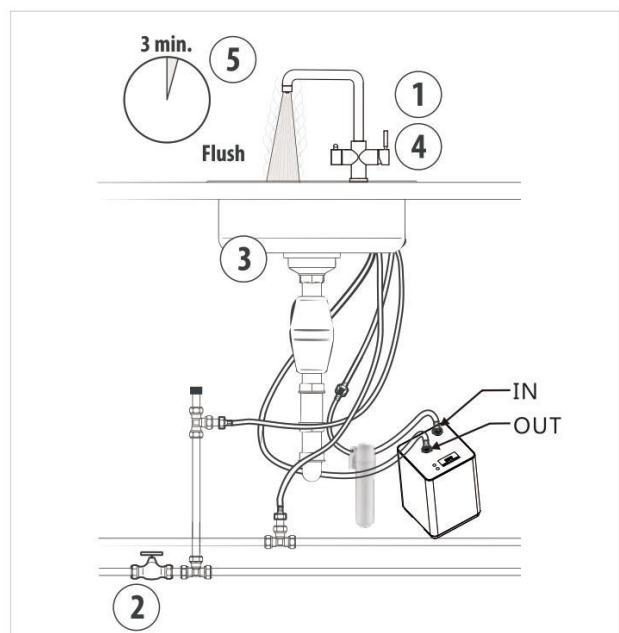
Step 5–

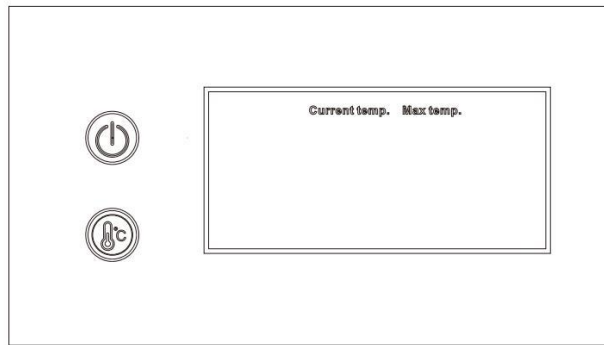


Electronic Control Display Panel

- ⏻ ON/OFF to control the power. The light will illuminate Green.
- 🌡️ Temperature setting: press to select one of 5 temperature:

75°C, 85°C, 90°C, 95°C, 98°C



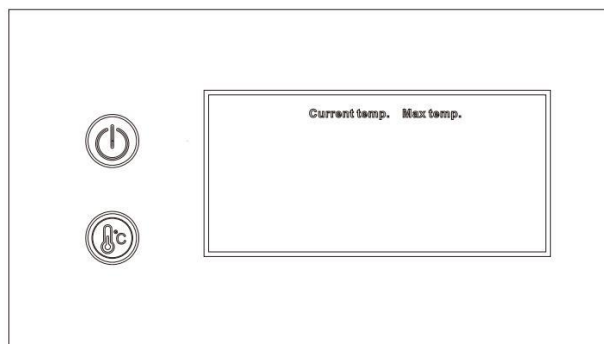


If the electronic instant hot water appliance is empty of water and is turned ON then this will be automatically sensed, the display will show "E3". The tank needs to fill with water through the boiling water control handle on the tap.


When the display shows "E4", please unplug and plug the boiler. If the problem still exists, please contact service center to have the tank checked and repaired.

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 the temperature has been reached the light will turn to Green



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 push the  off button.

Maintenance & power Saving

If the electronic instant hot water appliance is not being used for long periods of time ie:

over 7 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.
	Pressure is lower than 1.5 bar or higher than 5 bar	Check the pipe pressure. Check if aerator is blocked and remove the dirt in the aerator.
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
Water is too hot.	Water temperature setting is set to high temperature.	Re-set the temperature to the lower temperature
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 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

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 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 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

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 backwards 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.

Water 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.

It is good plumbing practice that the supplies of hot and cold water to the tap are equal (balanced) pressure in order to provide a consistent flow. Water Supplies should be from a common source, either mains or tank fed. If supplies are not equal pressures then a Non Return Valve (Check Valve) should be fitted on the hot inlet.

We also recommend the installation of isolating shut off valves on both the Hot and Cold Water supplies for any possible future servicing.

Water Supply Pressures :

This tap has been designed to function under the following conditions.

- Minimum supply pressure for cold water is 1.5 bar -Maximum supply pressure 5 bar (although we only recommend a maximum supply pressure of 2.5 bar)
- Should excessive pressure be experienced, then it is recommended to install a Pressure Reducing Valve.

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.

These instructions are only intended as a guide, if there is any doubt then contact a certified plumber or service agent and avoid using the Instant Hot Water System until it has been checked.