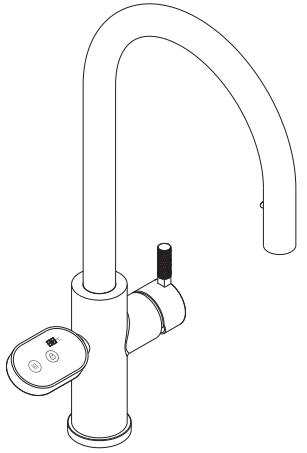
ARNO Square 3-in-1



User Manual

Please read all warnings and instructions before using this device. Save these instructions.

This product is intended for household use only.

AR92009A

Introduction

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 in need of near boiling water for making tea and coffee and we are sure you will discover many new uses each day.

Enjoy your instant hot water appliance and go make that first cup of coffee or tea from your new appliance!

Important

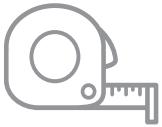
1. This product can cause harm if installed incorrectly and should only be installed by a competent person. If you are unsure about the installation, please contact a qualified person for the installation.

2. A standard 220/240v grounded 13amp 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.
   Only connect the outlet to the 13amp fused plug provided.

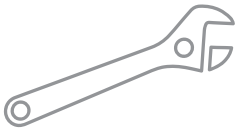
3. Ensure all electrical and plumbing connections conform to local standards.

4. The instant hot water appliance is an open vented system appliance when not in use, the pressure is 1.0bar. The operating pressure is 1.5 bar - 5bar.

Tools needed



Measuring tape



Wrench

Trouble Shooting & Installation Check list

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Water does not flow straight away.	The boiler could be short circuiting. To test this, unplug all other electric equipment, plug in the boiler and turn on. If the boiler trips the electric this time, the boiler is short circuiting.	Contact the retailer.
	Pressure is lower than 1 .5 bar or higher than 5 bar.	Check the pipe pressure. Check if aerator is blocked and remove any dirt in the aerator.

Installation Check List

- ☐ Check the contents of the boxes to ensure that everything is present.
- ☐ Visually inspect the items to ensure that all parts and pieces are in good condition.
- ☐ Install the tap, making sure the tails are properly installed according to the instructions.
- ☐ Check that the tap is fastened securely to the worktop.
- ☐ Install the Filter Housing Bracket and position the boiler with the piping connections.
- ☐ Once cut, make sure the Filter poly pipe is clear of debris. If any swarf is visible, it should be removed prior to installation.
- ☐ Push the filter capsule into the housing bracket and turn clockwise. Connect the tails to the boiler, including the nipple for the silicon hose.
- ☐ Examine the instructions to ensure that the cold inlet is connected to the tap, followed by the connection to the filter and the boiler back to the tap. In that order.
  THE INLET TO THE BOILER MUST BE FILTERED.
- ☐ Before turning on your boiler unit, open the boiling water handle on your tap and wait until water begins to flow; this can take up to 1 minute because you are filling your tank with water before turning it on. Once the water starts flowing, turn on your tank and use the set temp. button to set the temperature. The numbers on the right should begin to change. Continue pressing until you reach the desired temperature.
- ☐ Is the tap firmly fastened?
- ☐ Is the water flowing freely?
- ☐ Is the water heated to the desired temperature?
- ☐ Is the system working as it should?
- ☐ Is there any leaking?

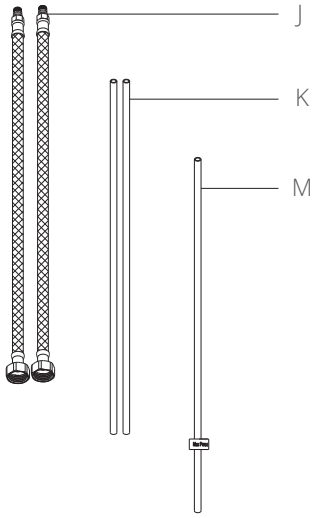
Trouble Shooting

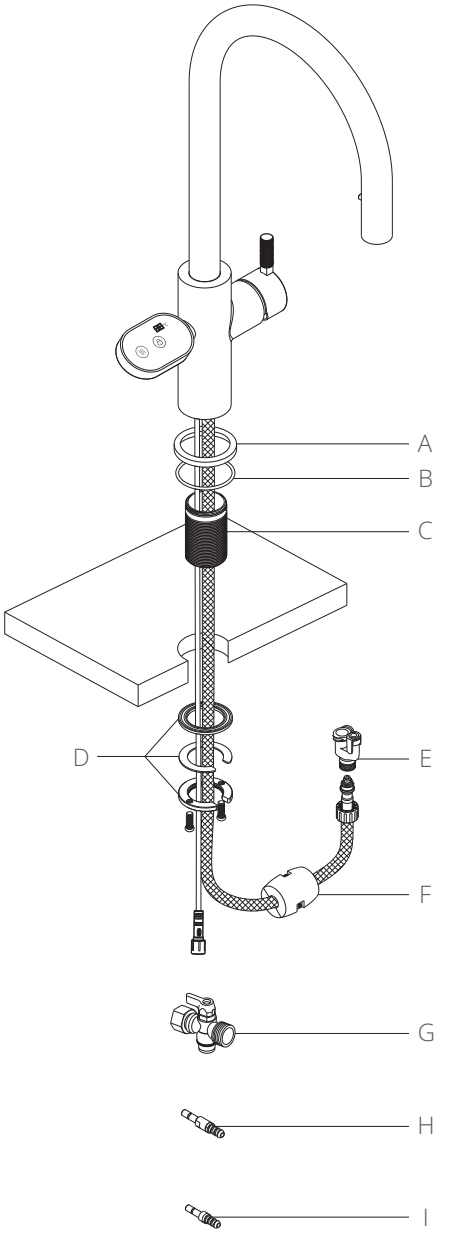
PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Water and Steam are coming out from the spout of the appliance.	Unit is boiling.	Turn On the boiling water and release the water.
	Pressure is lower than 1.5bar or higher than 5bar.	Check the pipe pressure. Check if aerator is blocked and remove any dirt in the aerator.
Water is not hot.	The electronic instant hot water appliance is not plugged.	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.	Reset the temperature to a 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.
Slow Flow from the spout.	Water Filter may be clogged with 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 designed for non-pressurized 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 be a slightly longer delay in the water coming out from the instant hot water tap spout.
	Pressure is lower than 1.5bar or higher than 5bar.	Check the pipe pressure. Check if aerator is blocked and remove any dirt in the aerator.
No Water Flowing.	Water valves areturned off.	Turn on all the water valves.
	Inlet Pipes are twisted or blocked.	Ensure the pipes are not twisted or kinked or 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.
E3 fault code.	The E3 code indicates water shortage protection. When the water level in the inner tank is below the minimum required level 'E3' will appear.	Unlock child safty lock, touch on instant boiling water button to fill the instant hot water tank until E3 error disappeared.
	If the above does not work and the unit continues to show 'E3', it could be a float switch sensor fault.	Contact the retailer.
E4 fault code.	Hot water sensor fault.	Power off the unit and unplug from the power source. Then reconnect to power source. If this does not solve the issue, contact the retailer.
Circuit tripping in the house.	The electric meter is overloaded, the installation of your instant hot water appliance in addition to the rest of your appliances has exceeded the limit of the RCD protection limit.	Upgrade the RCD protection limit or move the instant hot water appliance on to a different circuit.

Product Overview

Product Parts

A	Base
B	Gasket
C	Thread Tube
D	Locking Assembly
E	Adapter
F	Black Weight
G	Three Way Change-over Valve
H	Check Connector
I	Connector
J	Flexible Tails
K	PE Tube
M	Silicon Tube

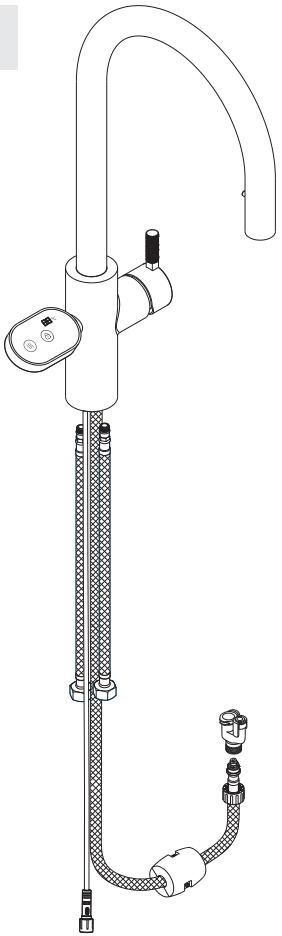




Installation Instruction

STEPS

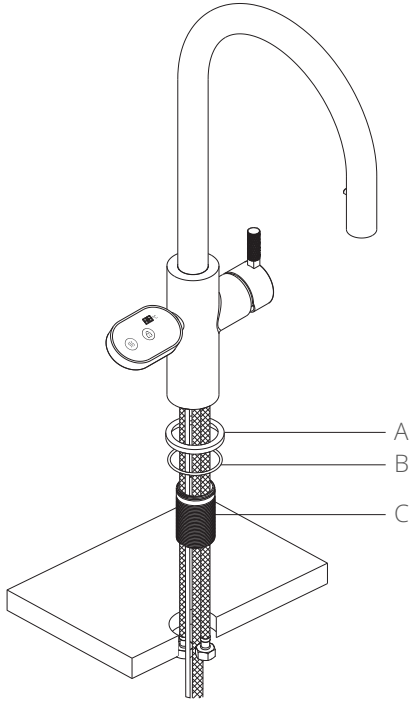
1



Blue braided tube is installed into cold water hole.
Red braided tube is installed into hot water hole.

2

Fix the base (A),gasket (B) and thread fixing tube (C) into the bottle of the tap main body.



Safety Instruction

The instructions are only intended as a guide, when in doubt please contact a certified plumber or electrician or point of purchase and avoid using the product until it has been checked.

⚠ DANGER

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.

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 digital child lock is used to control the flow of the near boiling water for additional safety.

Warning

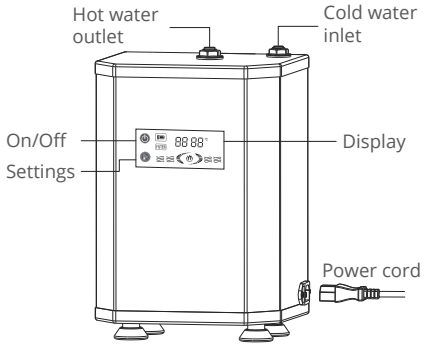
- To protect against electrical shock, do not place cord, plugs or unit near or in liquids and do not operate with wet hands.
- Do not remove the earthing terminal
- Do not reconstruct the plug
- Do not disassemble main box and any part for the power.
- Ensure the power rating of your electronic instant hot water appliance is suitable for the power rating of the electrical circuit it is being installed in.
- Do not operate or install the electronic instant hot water appliance if any part is missing or damaged.
- Do not attempt to open, modify or service your appliance. Repairs should be carried out by Authorized Service personnel. Opening the unit may void the guarantee.
- Turn off all controls before unplugging. Do not unplug by pulling the cable. To unplug, grab the plug, not the cable.
- To avoid the risk of flooding, regularly inspect the unit for any signs of leakage.
- Do not use outdoors or in a damp area. The electronic instant hot water appliance is for domestic use only.

Safety Instruction

Caution

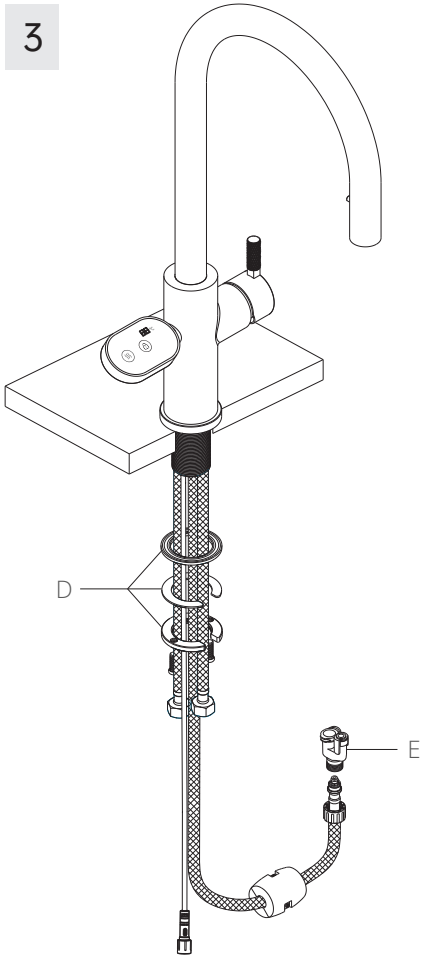
- Connecting a standard Tap may cause injury and will damage the appliance and void the guarantee. Due to high water temperature, and for safety reasons, the appliance is not under pressure.
- Install the Instant Hot Water Tap in accordance with the fitting Instructions provided with the Hot Water Tap. Observe all local governing codes and ordinances.
- 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. Ensure that the electronic instant hot water control is easily assessible for possible adjustments.
- The electronic instant hot water appliance is not under pressure, and consequently, there is a slight delay in water flow after the hot water has been turned on. This is normal and indicates that the electronic instant hot water appliance is functioning properly.

  NOTE:
  It is recommended that you have access to a separate power circuit serving only your electronic instant hot water appliance.
  See page 3 for more information.
- 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 ensure that the instant hot water tap connectionpipes and the power cord is long enough 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.
- Connect the tank with the tap according to the boiling water tap manual. Fitting a pressure reducing valve to the cold mains inlet if the mains pressure is above 5bar. Check if the complete installation is leaking.



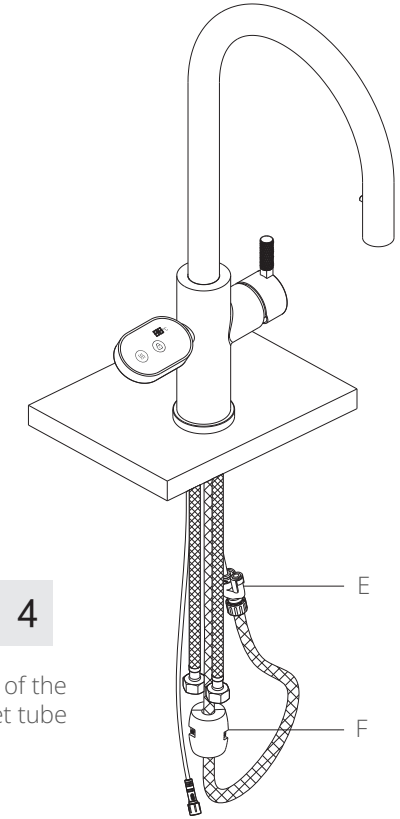
Installation Instruction

3



Put the locking assembly (D) into the fixing tube and lock them tightly.
Install the adapter(E) to pull hose.

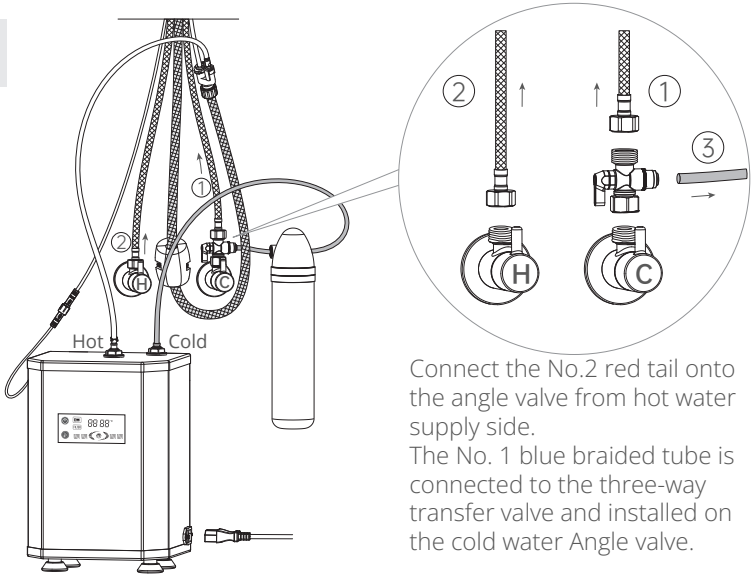
4



Connect the adapter (E) on the end of the hose and attache to the water outlet tube
Install the weight (F) on the hose.

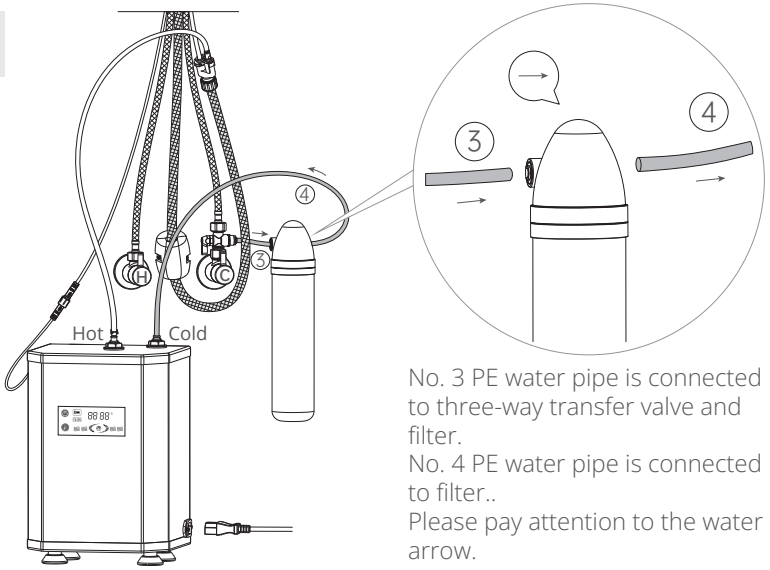
Installation Instruction

5



Connect the No.2 red tail onto the angle valve from hot water supply side.
The No. 1 blue braided tube is connected to the three-way transfer valve and installed on the cold water Angle valve.

6



No. 3 PE water pipe is connected to three-way transfer valve and filter.
No. 4 PE water pipe is connected to filter..
Please pay attention to the water arrow.

Safety Instruction

Important

- 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 appliance is equipped with a power supply cord with a power plug. To minimize 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 person.

- If local codes permit, the appliance feed line should be connected to the hot and cold water supply line using isolation valves or another means or providing the hot and cold water to the tap.

  NOTE:
  If local codes do not permit the use of isolation valves, special feed valves can be obtained from your local plumbing stores .

- Do not install the electronic instant hot water appliance outdoors or in location that may fall below 0^0 C. Otherwise, the pipes and the tap will be frozen, causing serious safety issues, possible bodily injury, and damages.

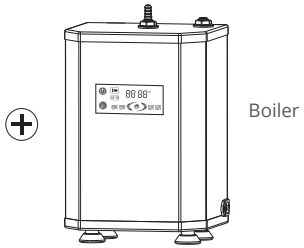
  The installation environment should be ventilated, with protection from direct sun light. When installing the appliance, provide approximately 10cm to 15cm air space on the sides of the unit for air circulation and approximately 2.5cm from the mounting wall.

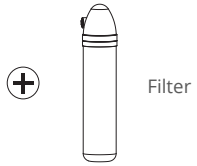
  It's forbidden to wash the electronic instant hot water appliance with water directly.

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

Maintenance & Warranty

Matching products





Power Saving

When the electronic instant hot water appliance is not in use for long periods of time ie over 7 days, to save power we recommend you switch off the applainace by pressing the "ON/OFF" switch to turn off.

Seasonal Shutdown

The hot water system (tank and tap) must not be exposed to freezing temperatures. If there is a possibility of this, the water in the system must be drained. 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 of the tank and remove the silicone hose outlet pipe, lift the unit to the sink, loose the drain scew under the bottom of the unit and drain all the water from the tank.

Filter Change

To maintain warranty, filters must be changed every 3-6 months or sooner after 2,000 liters of water have been used. The filters can be purchased directly from us.

Your tank has been fitted with a filter alert, once you hear the sound, please scan your bar code to purchase replacement.

Note

The electronic instant hot water appliance like any water heater has operational life span. 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.

If there is any water leakage, replace any loose or split silicon tubes or braided tube that is responsible for water leakage and damage.

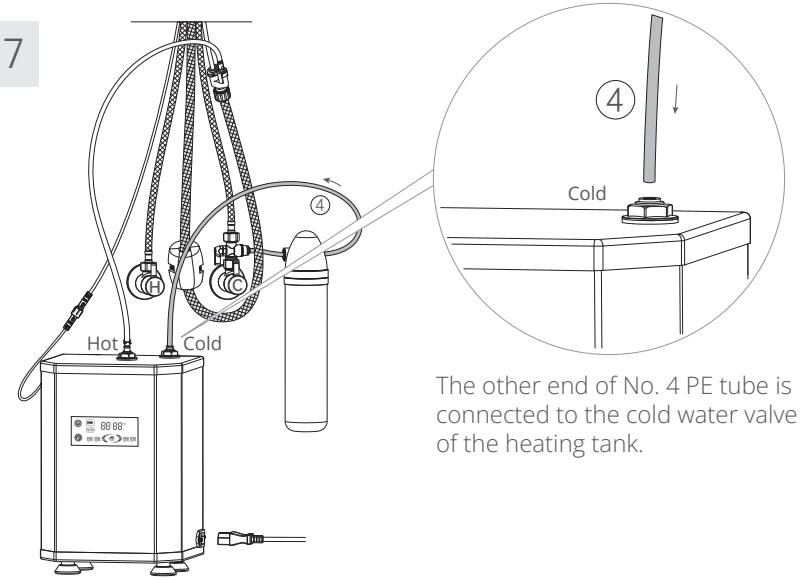
To provide additional water security to avoid property damage, the electronic instant hot water appliance can be placed in a drain pan and connected to a suitable drain outlet. The drain pan should be installed using the manufacturers installation instructions.

Warranty

To register your free warranty please visit our website.

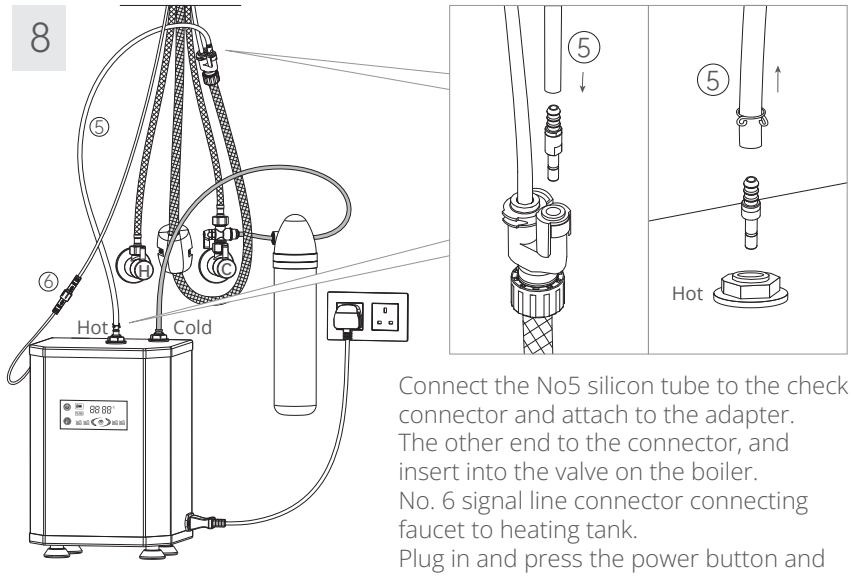
Installation Instruction

7



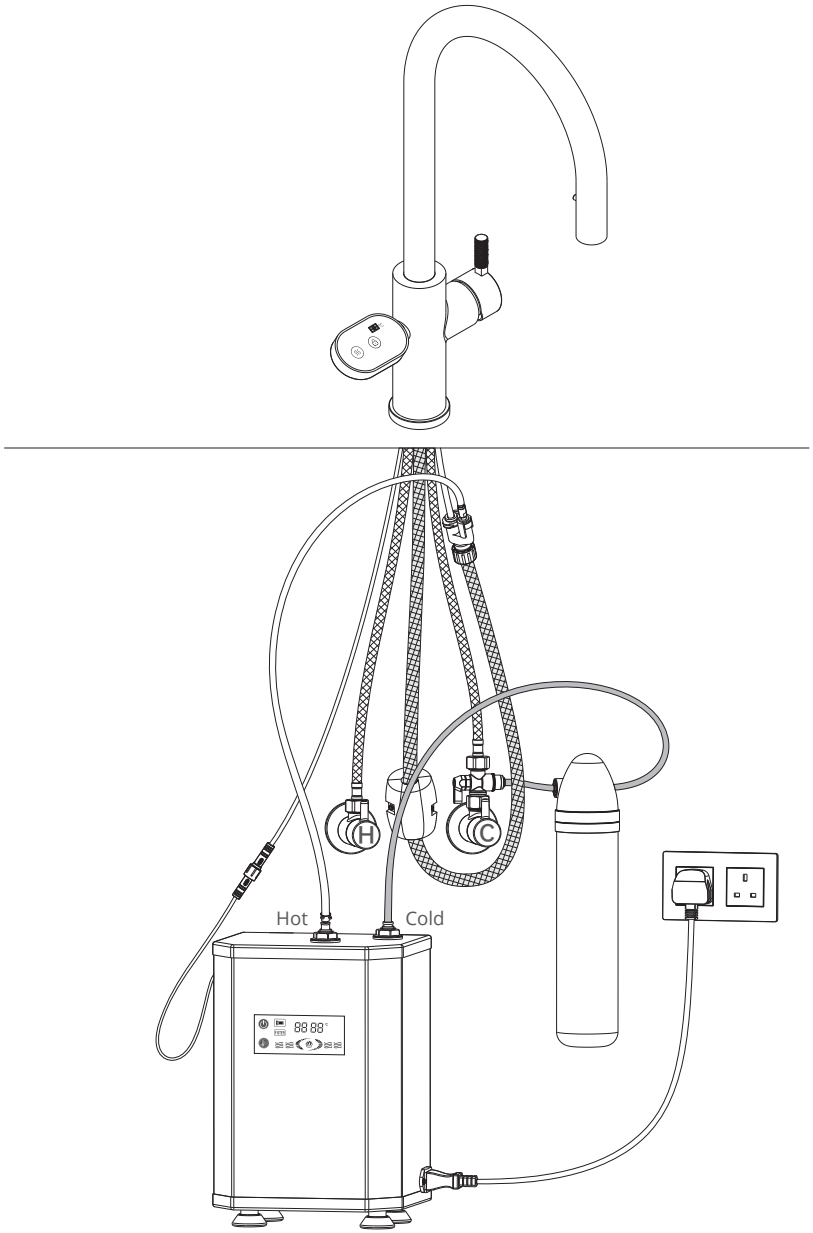
The other end of No. 4 PE tube is connected to the cold water valve of the heating tank.

8



Connect the No5 silicon tube to the check connector and attach to the adapter.
The other end to the connector, and insert into the valve on the boiler.
No. 6 signal line connector connecting faucet to heating tank.
Plug in and press the power button and set the temperature.

Product Setup

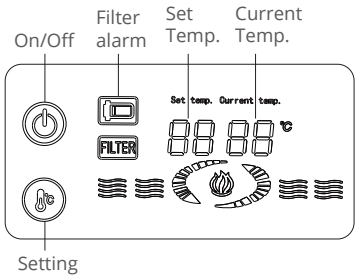


System Operation

Connecting The Plug

Connect the plug to the power socket and turn on the power socket. The electronic instant hot water appliance display panel will light up with the on/off.

Electronic Display Panel



Display Functions

On/Off: turn the appliance on/off.

Filter Alarm: filter needs to be changed

Temp. setting: select temparature

Appliance setup

3 Min Flush

