QETTLE®

4 IN 1 BOILING & FILTERED WATER TAP

INSTALLATION & USER GUIDE

INTRODUCTION

Thank you for purchasing a QETTLE boiling water appliance. This product has been designed and manufactured to the very highest quality standards. Correctly installed and properly maintained in accordance with the following instructions, it will provide you with many years of reliable service.

This guide explains how to install a new QETTLE boiling water appliance.

DO NOT ATTEMPT TO INSTALL THIS PRODUCT WITHOUT REFERENCE TO THIS GUIDE. FOR THE PRODUCT TO FUNCTION CORRECTLY IT MUST BE INSTALLED STRICTLY IN ACCORDANCE WITH THESE INSTRUCTIONS.

PARTICULAR ATTENTION MUST BE PAID TO ENSURING THAT THE WATER PRESSURE, WATER FLOW AND ELECTRICAL SUPPLY ARE WITHIN THE STATED PARAMETERS. THE MANUFACTURER RESERVES THE RIGHT TO RECOVER ANY COSTS INCURRED AS A CONSEQUENCE OF INCORRECT INSTALLATION.

The QETTLE 4-in-1 System comprises 3 separately packaged assemblies:

1) QETTLE 4-in-1 Tap

2) QETTLE Boiler tank

3) QETTLE water filter complete with a Q08 filter cartridge

The QETTLE 4-in-1 System must be installed using only the 3 genuine items listed above. Substituting any of them with other manufacturers' alternatives or failing to install and maintain the unit in strict accordance with these instructions will invalidate your product guarantee. QETTLE will not accept liability for damage or accidents resulting from the use of non-genuine components, incorrect installation or operation.

Study the diagrams, read this guide and plan the layout carefully before proceeding.

APPLICATION

This product is a boiling water device intended for domestic use only.

The incoming water pressure must be between a minimum of 1.5 BAR (22 psi) and a maximum of 5 BAR (72.5 psi). The system is supplied with a pressure limiting valve (PLV), which must be installed as per the instructions provided. The PLV is intended to regulate the filtered and boiling system pressure to safe levels.

Failure to install the PLV may result in system malfunction and will void the warranty.

SAFETY

Take Note: Boiling water is potentially dangerous. It is the responsibility of the owner to take sensible precautions when operating the boiling water function of the QETTLE tap and to instruct other family members and other new users to operate it safely.

The installation must be carried out by a suitably qualified professional in strict accordance with the instructions provided and comply with the UK Water Supply (Water Fittings) Regulations 1999 and safety standards.

- If a new electrical power supply is required you must seek the services of a qualified electrician.
- The boiler tank should be plugged into a socket that has been installed in compliance with local wiring regulations - seek the advice of a qualified electrician if in doubt. It is advisable to check the circuit to establish whether or not the addition of a QETTLE tap will overload the circuit. **IMPORTANT NOTE:** The boiler tank should not be fitted on the same electrical supply line with other appliances that require a constant power supply such as a fridge/freezer. If in doubt, confirm the socket is correctly connected to Earth by asking a qualified electrician to carry out a **continuity and loop impedance test** on the circuit.
- The boiler tank is fitted with an electrical lead terminating in a fused plug for connection to the 230 volt 13 amp domestic electricity supply. It is important to use a socket with a built in switch and position it to provide convenient access to switch off the boiler tank.
- The electrical lead or plug must not be modified in any way. If there are any signs of damage to the lead, the unit should be returned or repaired by a qualified electrician to avoid any potential hazard.
- Turn off the mains water supply before commencing installation.
- Never lift the boiler tank by the braided flexible hoses.
- The power to the boiler tank must only be switched on once the installation is complete and the tank is full of water. **IMPORTANT NOTE:** Do not switch on if there is a possibility that the water in the boiler tank is frozen.
- Always turn off the electricity supply to the boiler tank before you close the mains stop valve. Restore power to the boiler tank after the mains stop valve has been opened.
- This system can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities if they do so under supervision or have been given instruction by a responsible adult how to use it in a safe way and understand the hazards involved. Children should not play with the tap or system. Cleaning and user maintenance shall not be carried out by children.
- Refit the plastic safety clip to the boiling water handle after use.
- This is a domestic appliance and must not be installed in a commercial environment.

SYSTEM REQUIREMENTS

DESCRIPTION	VALUE	UNIT
Min Inlet Water Temperature	5	˚C
Max Inlet Water Temperature	40	˚C
Min Inlet Water Pressure	1.5 (22)	Bar (psi)
Max Inlet Water Pressure	5 (73)	Bar (psi)

FILTER TIMER/AUTO SHUT-OFF TECHNICAL DATA

DESCRIPTION	VALUE	UNIT
Operating Voltage	9DC	Volts
Cable Length	1.5 0.15	M M
Connections	1/2” BSP Female to 1/2” BSP Male	

BOILER TECHNICAL DATA

DESCRIPTION	BOILER TANK	VALUE	UNIT
Dimensions -	2L Tank	293 x 223 x 170	mm
	4L Tank	350 x 260 x 240	mm
	7L Tank	365 x 295 x 235	mm
Load	2L Tank	4.5	Amps
	4L Tank	7	Amps
	7L Tank	7	Amps
Voltage		220-240	Volts
		AC-50	Hz
Power	2L Tank	1000	Watts
	4L Tank	1500	Watts
	7L Tank	1500	Watts
Stored Temperature (max)		100	˚C
Heating Up Time -	2L Tank	15	Mins
	4L Tank	17.5	Mins
	7L Tank	30	Mins
Recovery Time -	2L Tank	10	Mins
	4L Tank	10	Mins
	7L Tank	15	Mins
Boiler Capacity	2L Tank	2	Litres
	4L Tank	4	Litres
	7L Tank	7	Litres
Pressure Release Valve Rating			
	2L & 7L Tank	8	Bar
	4L Tank	4.5	Bar

COMPONENTS LIST

1. QETTLE tap

2.a Filter cartridge change timer/Au-to-Shut off module

2.b Auto-Shut Off Valve with Pressure Limiter

2.c Filter Timer/Auto-shut off module cover

2.d Label

2.e 9V Battery

3a. Safety clip for Original & Signature Modern boiling water handles

3b. Safety clip for Signature Classic boiling water handles

4. Tap clamp

5. Tap clamping nut x2

6. Box Spanner

7. Compression washer for underside of tap

8. Cable ties x4

9. NutRunna® hand-tightening device for G1/4" nuts x2

10. NutRunna® hand-tightening device for G1/2" nuts x5 (1 x supplied pre-installed on the Auto-shut off with Pressure Limiter)

11a. QETTLE 2 Litre tank

11b. QETTLE 4 Litre tank

11c. QETTLE 7 Litre tank

12a. Push-fit elbow for 2L and 7 L tanks (attached to boiler tank power cable)

12b. Push-fit connector for 4L tank (pre-fitted to boiler)

13. Vent assembly

14. Saddle clamp

15. Vent hose

16. Vent assembly elbow

17. Pipe cutter

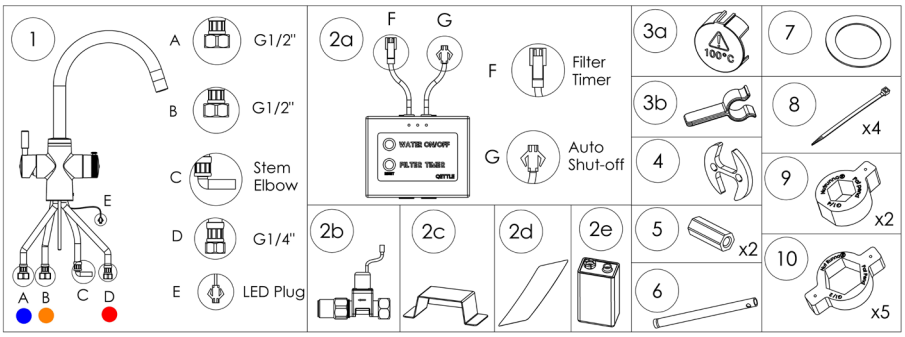
18. Water filter housing assembly

19. Q08 water filter cartridge

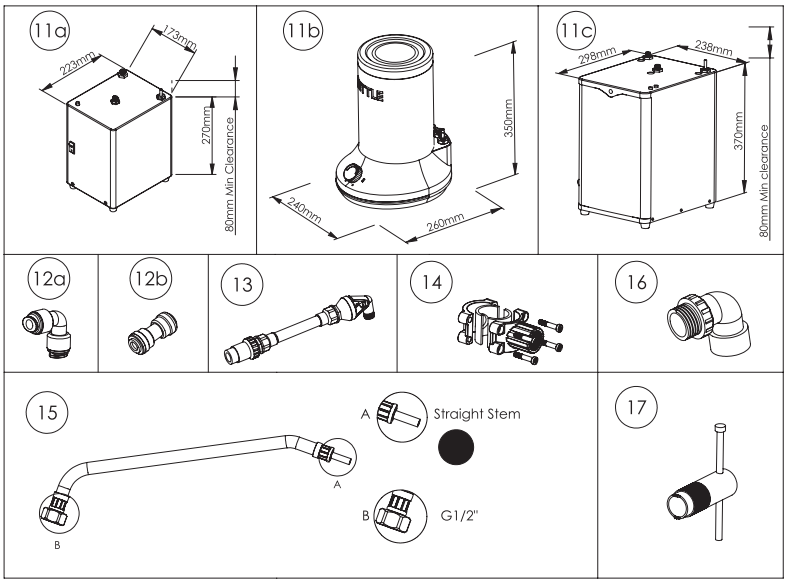
20. Water filter retaining screws

21. Stop valve

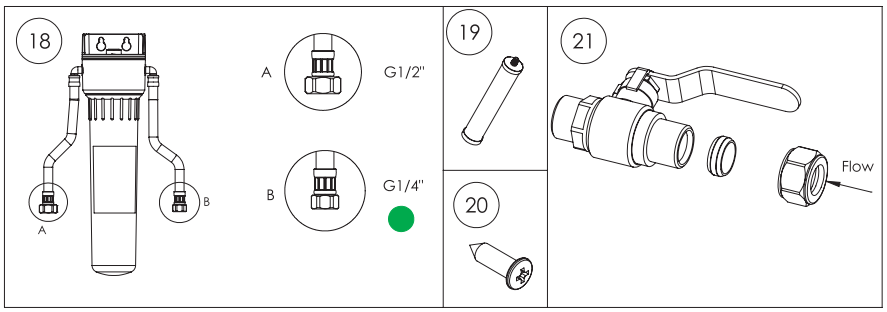
Supplied in box with Tap



Supplied in box with Boiler



Supplied in box with Filter System



THE INSTALLATION PROCEDURE

1. Installing the 4-in-1 tap
2. Plan the layout inside the cabinet
3. The plumbing
4. Install the filter timer/auto shut off
5. Install the filter unit
6. Install the plastic vent assembly
7. Install the boiler tank
8. Commissioning the system

BEFORE YOU BEGIN

1. Check the mains water pressure. Both the hot and cold supplies must be between a minimum of 1.5 BAR (22psi) and a maximum of 5 BAR (65 psi), measured during a low-demand period (typically mid-morning or mid-afternoon). The QETTLE system is supplied with a Pressure Limiting Valve (PLV), which is designed to protect the boiler and filter from excessive pressure. The PLV is rated for supply pressures up to 10 BAR (145psi) and must be installed as instructed. Please note: the PLV does not regulate pressure to the hot and cold tap supplies — if either exceeds 5 BAR, separate pressure-reducing valves must be fitted. A suitable pressure reducing valve can be purchased at www.qettle.com.
2. The unit must be installed in a frost free environment.
3. Ensure that the cabinet is well ventilated. If in doubt it is advisable to improve the circulation of air by drilling some holes in the top and bottom of the rear panel.
4. Be careful when making the various connections to the mains water stop valve and the boiler tank. Do not be tempted to over-tighten the connections. It is only necessary to firmly hand tighten the nuts using the NutRunna® plastic tightening devices provided to make a secure watertight seal.
5. Locate the existing hot and cold water supply pipes.
6. Shut off the mains water supply.
7. Switch off the mains electricity supply at the socket.

1. INSTALLING THE QETTLE 4-IN-1 KITCHEN TAP

Carrying out this operation first will make it easier to plan the layout inside the cabinet. For safety it is advisable to locate the tap out of the reach of smaller children. **IMPORTANT NOTE:** The tap fixing studs are factory fitted and should not be tightened or loosened.

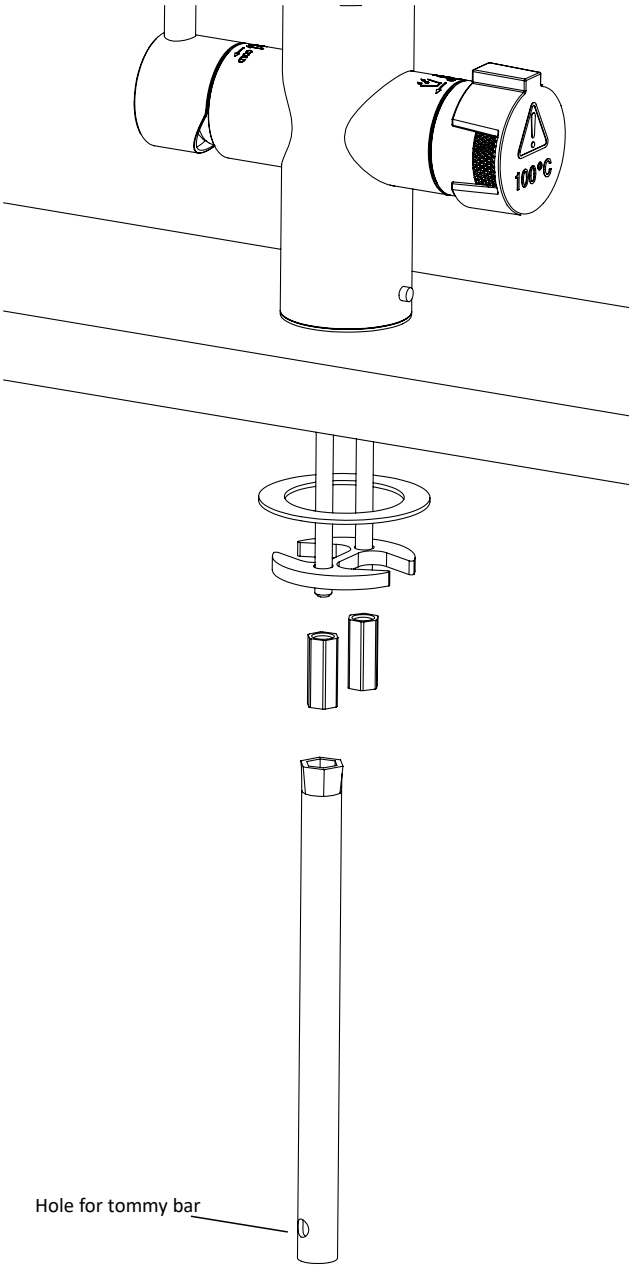
1. The tap will require a standard 35mm hole.

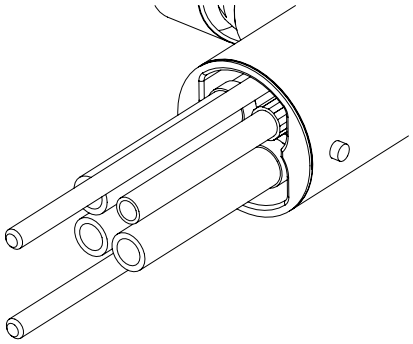
2. Insert the flexible hoses and the wire lead through the 35mm hole. To fit all the hoses through the hole, begin by inserting the hot and cold G1/2" flexible hoses (1.A & 1.B) through first, then thread the boiling water hose (1.D) and the wire lead (1.E) through. Finally, thread the grey push fit stem elbow at the free end of the cold filtered water hose (1.C). The tap hoses push into the tap rather than screw in so do not be alarmed that they rotate inside the body of the tap.

3. Position the tap with the Hot and Cold lever on left as you look at the tap, with the filtered cold and boiling handle on the right.

4. Working inside the cabinet, slide the washer (7) and the clamp plate (4) over the hoses and the two studs at the base of the tap. Screw the two clamp nuts (5) on to the studs using the box spanner (6).

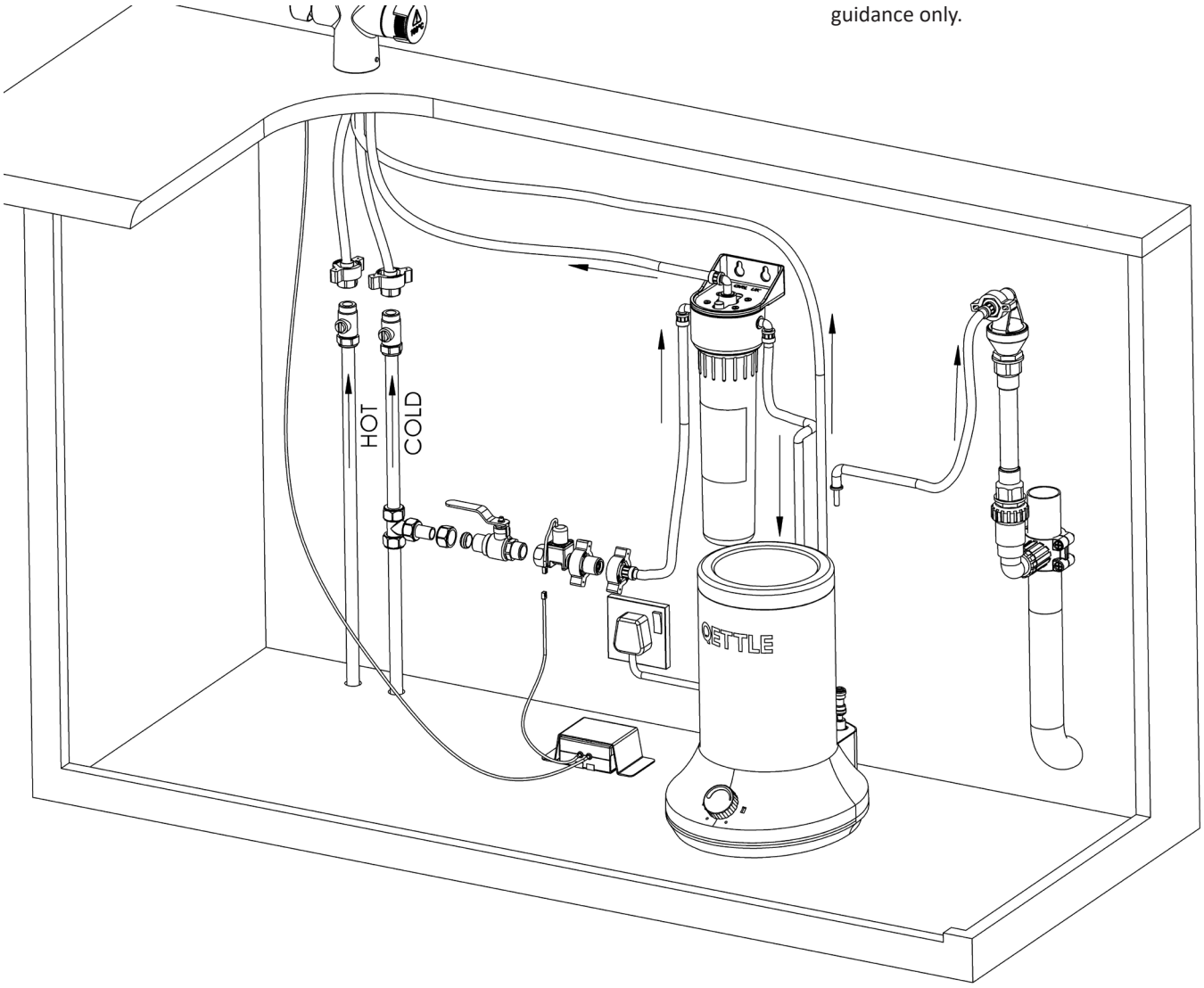
5. Check the alignment of the tap then tighten the two clamp nuts using the box spanner to firmly secure it on the work surface.





2. PLAN THE LAYOUT INSIDE THE CABINET

Please Note: This diagram shows the 4 litre vacuum boiler tank and is to be used for guidance only.



- Determine the best positions for the hot and cold mains water supply.
- Determine the best positions for the boiler tank and the filter unit, making sure the boiler power cable, the flexible hoses, and the filter cartridge change indicator cable, are all within comfortable reach of their respective connection points without them being compressed, stretched or kinked.
- The boiler tank must be installed upright, never on its side.
- Leave access to the boiler tank for future servicing requirements. The boiler tank will require servicing/replacing in the future so do not box it in.
- Allow a minimum clearance of 80mm at the top of the 2L and 7L boilers for the connecting hoses.
- Choose a location for the filter unit (18) and the stop valve (21) to allow convenient access for future filter cartridge changes.
- **IMPORTANT NOTE:** The filter timer/auto-shut off must be positioned on the base of the kitchen cabinet, on a flat surface, with the 2 x metal plates facing down. The 2 x metal plates must be in contact with the base of the cabinet.
- The optimum location for the filter timer/auto-shut off is an area between the boiler tank, undersink chiller (if applicable), and the filter housing. The goal with selecting the location is to place the filter timer/auto-shut off in the best location to detect leaks from any component of the system.
- Ensure the selected location for the filter timer/auto-shut off is within reach (1.5 metres) of the Auto-Shut Off Valve.
- **IMPORTANT NOTE:** Always install the filter timer/auto-shut off in conjunction with the mechanical shut-off valve supplied with all QETTLE systems.

3. THE PLUMBING

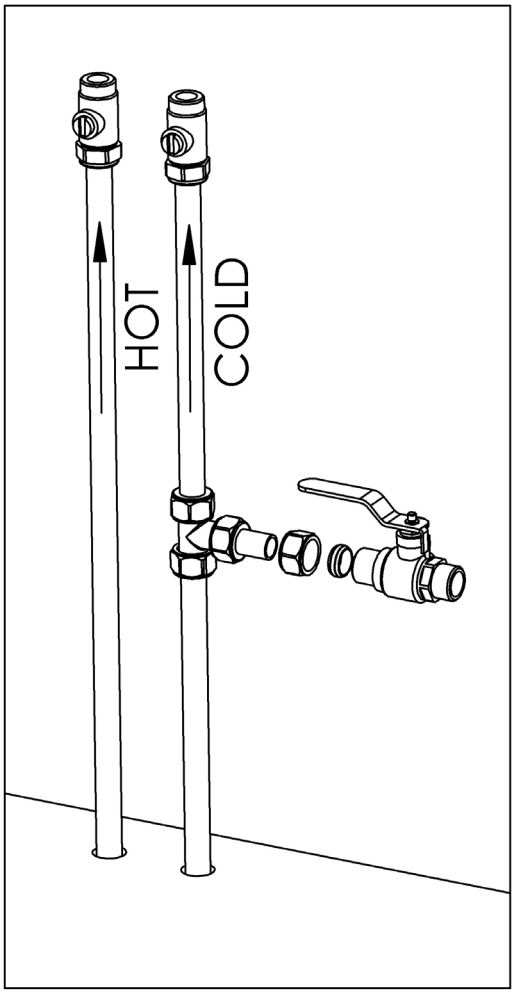
IMPORTANT NOTE: Before installing the new tap it is essential that you thoroughly flush through the supply pipes in order to remove any remaining swarf, solder or other impurities. Failure to carry out this simple procedure could cause problems or damage to the workings of the tap.

1. Provide a hot and cold water supply for the tap. (We recommend that service stop-valves are fitted in both the hot and cold water supplies to the tap.)

2. Tee off the incoming mains cold water supply to provide an independent feed to the water filter. Ensure this supply is not obtained from any other water heating system.

3. Install the stop-valve (21) inline on the independent feed to the filter. **IMPORTANT NOTE**: the ends of the stop valve are not the same. One end has an internal chamfer to connect to compression pipework; the opposite end has a flat washer face to suit the G1/2" (1/2" BSP) nut and washer of the Auto-shut off (refer to diagram (21) in component list.)

4. Connect the hot and cold G1/2" flexible hoses to the respective hot and cold supplies and tighten them firmly to make a watertight seal — two G1/2" NutRunna hand tightening devices (10) are supplied loose with the tap for this purpose. The tap hose with the blue indicator should be connected to the cold supply and the hose with the orange indicator to the hot supply.



4. INSTALL THE FILTER TIMER/AUTO SHUT-OFF

1. Screw the Auto-Shut off valve with pressure limiter (2b) on to the mechanical shut-off valve sufficient to make a watertight seal, being careful to make sure the G1/2" Nutrunna® (10) remains on the pressure limiter (2b). **IMPORTANT NOTE** Do not overtighten.

2. Plug the longer cable (2a.G) with the male end attached to the Filter Timer into the female port on the cable attached to the Auto-Shut Off valve (2b).

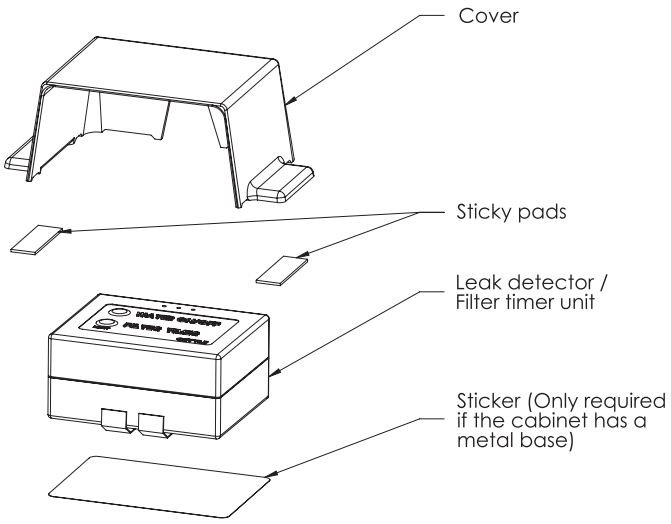
3. Plug the shorter cable (2a.F) with the female port attached to the Filter Timer into the wire lead (1.C) attached to the tap.

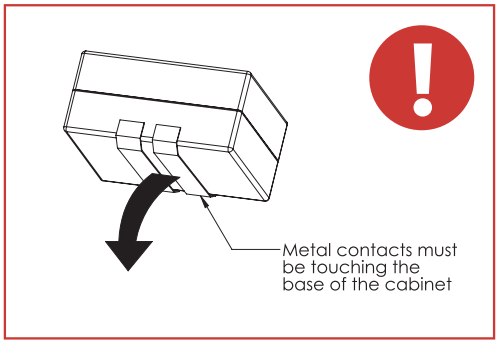
4. Remove the backing from the two sticky pads attached to the underside of the Auto-shut off valve cover (2c) and stick it into position. **IMPORTANT NOTE**: Ensure the cover is placed on the bottom of the cabinet and between the boiler tank, undersink chiller and the filter housing. The cover should be positioned with the opening easily accessible to allow for easy removal of the Auto-Shut off valve.
   IMPORTANT NOTE: if you're placing the Auto-Shut off valve on to a cabinet with a metal base you must stick the Sticker (2d) provided on to the metal base first. The Sticker prevents a circuit being made and the Auto-Shut off from triggering when it is placed in position.

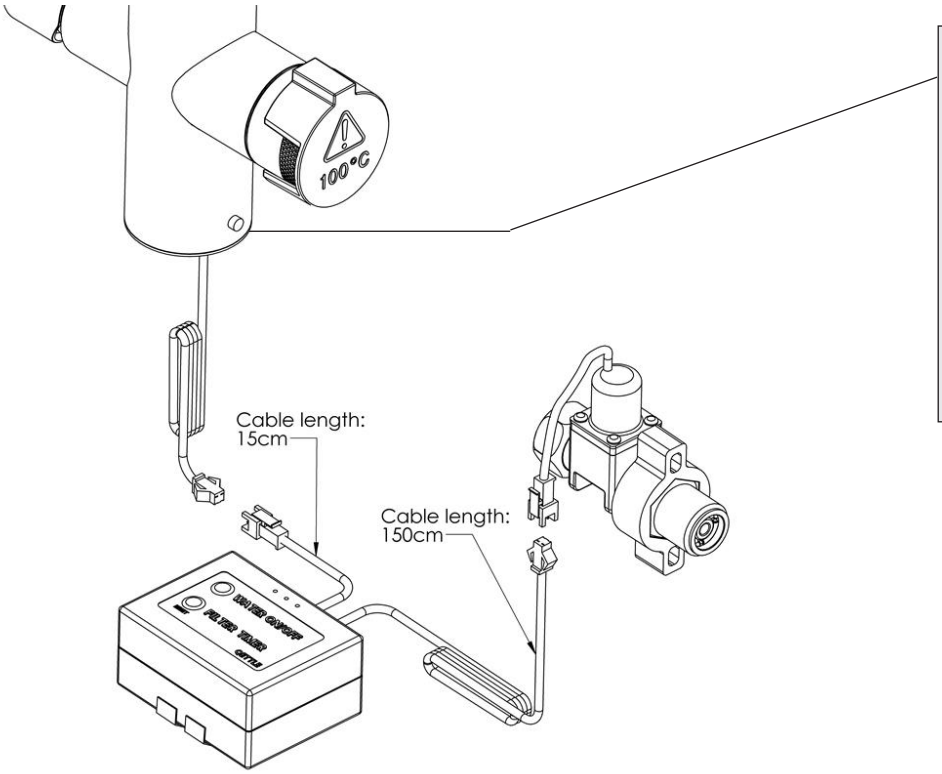
5. Install the 9V Battery (2e) into the Auto-Shut off valve. Remove the cover on the side of the leak detector and install the battery. Once the battery is installed the LED on the tap will flash yellow then red followed by a long beep from the module.

6. Place the Auto-Shut off valve in position underneath the cover, ensure that the two connection strips are in contact with the base of the cabinet. If your cabinet is metallic, use the sticker provided. Be careful not to accidentally activate the Auto-Shut off valve when sliding underneath the cover when the base of the cabinet is metal.

Install leak detector on cabinet base with metal contact strips facing downward







The LED indicator:

RED	Indicates that the water filter Cartridge needs replacing.
YELLOW	Indicates that the 9V Battery in the module need replacing.
RED/ YELLOW	flash with beep - Indicates a leak has been detected.

5. INSTALL THE FILTER UNIT

IMPORTANT NOTE: The filter unit must be installed inside a cupboard. Long term exposure to direct light can degrade the plastic sump leading to eventual failure.

1. Position the filter unit (18) vertically with the hoses at the top, in its previously determined location.

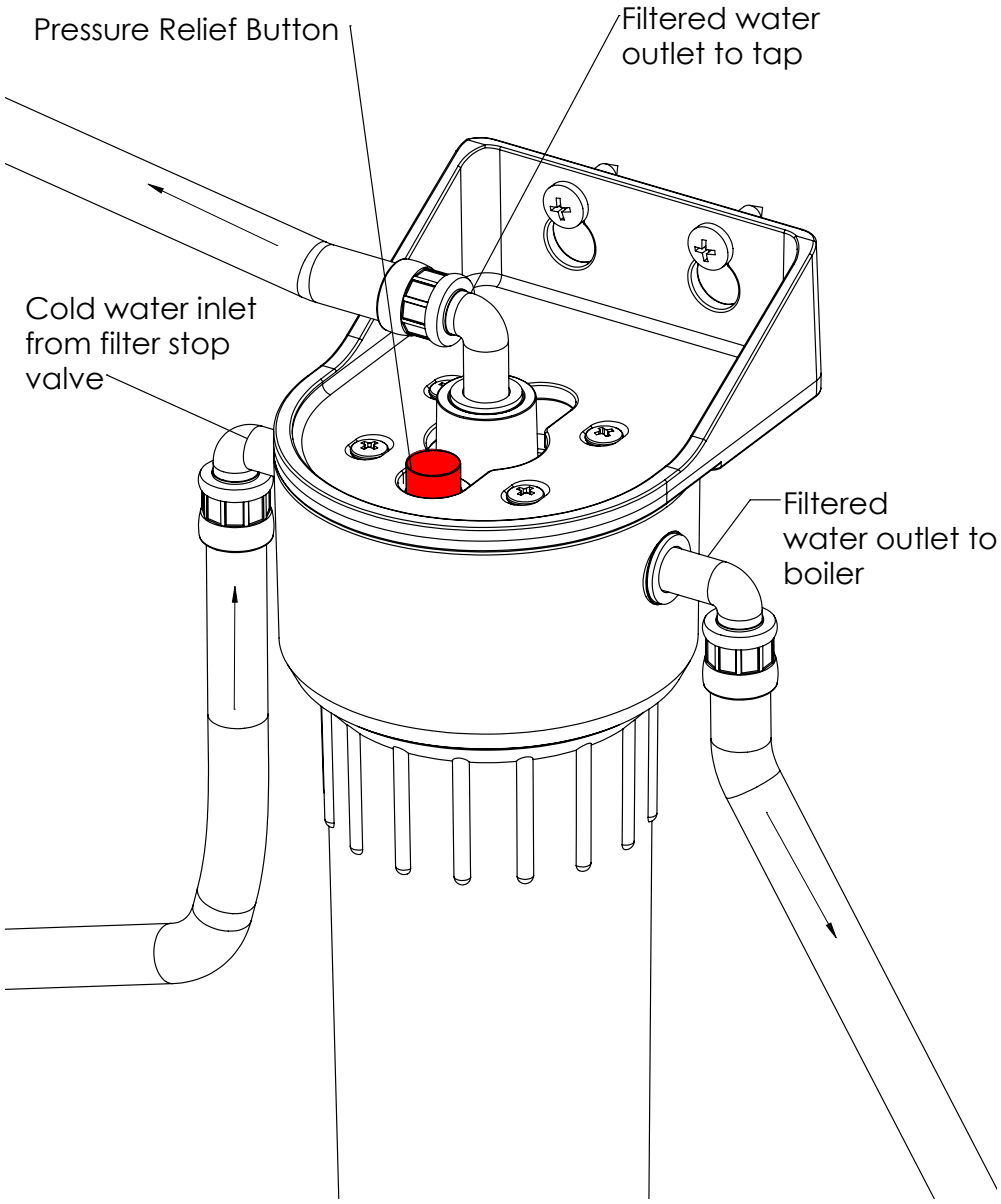
2. Mark the positions for the two filter unit support screws (20) using the holes in the filter bracket as a guide.

3. Set the filter unit aside and screw in the two screws leaving the heads slightly proud (approximately 4mm).

4. Take the G1/2”nut (18.A) at the free end of the filter inlet hose and place one of the G1/2” Nutrunna® (10) over the nut. Screw the nut on to the G1/2” male outlet thread of the Auto-Shut off valve with pressure limiter (2b). Hand tighten sufficient to make a watertight seal. Do not overtighten.

5. Take the grey push fit stem elbow at the free end of the cold filtered water hose (1.C) attached to the tap, wet the stem before pushing it firmly into the female outlet at the top of the filter.
   IMPORTANT NOTE: Ensure that the stem connector is pushed fully home — 10mm of the stem should enter the female connector.

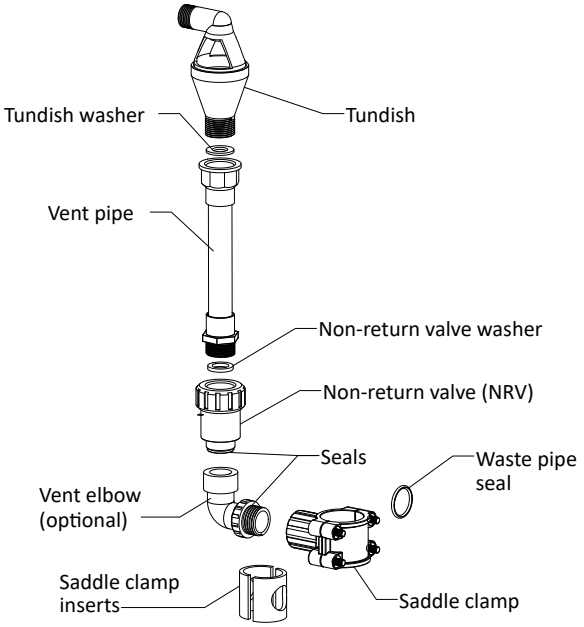
6. Hang the filter unit on the two screws. If the panel is too thin to mount the filter securely strengthen the panel with a wooden batten.



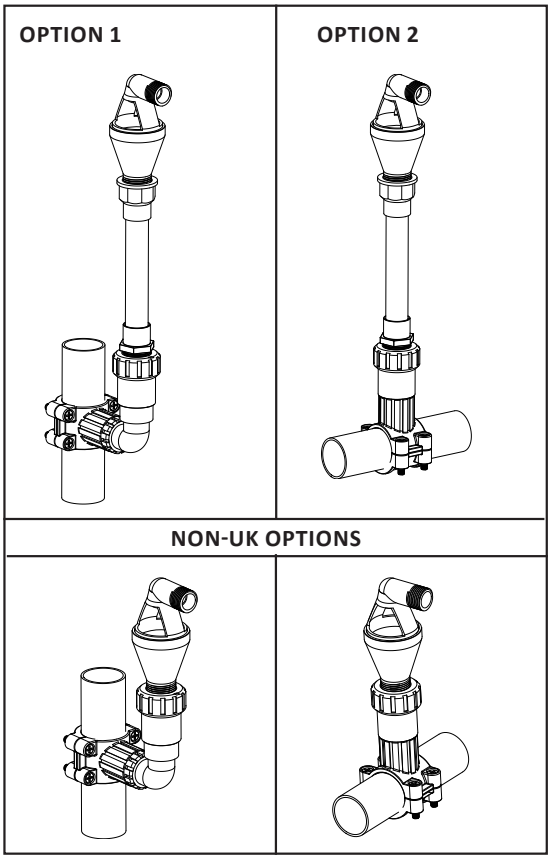
6. INSTALL THE PLASTIC VENT ASSEMBLY

Important points to note regarding the Vent Assembly:

- **The vent pipe must be installed vertically with the air-gap at the top and strictly in accordance with the instructions. In certain circumstances water may continuously run into the vent, it is therefore imperative that the vent is installed vertically and be left open to the atmosphere.**
- **The inclusion of the vent pipe conforms to UK building regulations. Outside of the UK it may be removed, please check local byelaws. IMPORTANT NOTE: Do not connect any proprietary pressure-relief device to the vent pipe of the water heater.**
- **To avoid debris blocking the vent and causing it to overflow do not, under any circumstances, install the saddle clamp on the U Bend, waste trap, side/underside of the waste pipe.**
- **If the QETTLE system is being installed on a sink with a waste disposal unit, the vent assembly must be installed on a separate waste pipe to the waste disposal unit.**



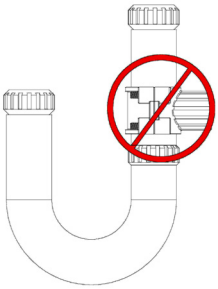
Choose a convenient position to fit the saddle clamp (14) on a vertical section (Option 1) of the waste pipe, or alternatively on a horizontal section (Option 2). When installing the saddle clamp on a horizontal section of pipe the elbow (16) is not required. Be careful to allow sufficient clearance for the height of the vent assembly and enough room to operate the pipe cutter (17).

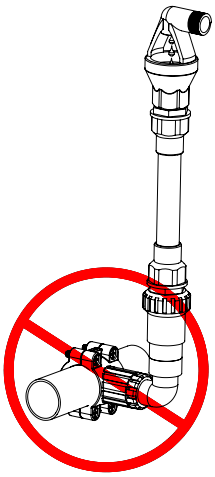


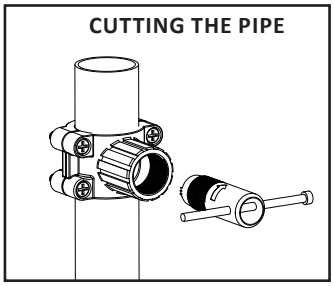
1. Separate the two halves of the saddle clamp by unscrewing and removing the four nuts and bolts. Discard the two black rubber inserts for 41mm waste pipe. Leave them in place for 32mm pipe.
2. Insert the clamp seal into the saddle clamp and then position it on the chosen section of waste pipe, being careful to ensure the seal remains in place. Re-assemble the clamp and then tighten the bolts securely to make a watertight seal.
3. Insert the pipe cutter (17) into the saddle clamp and cut a hole in the waste pipe by rotating it to the right until it breaks through. (see diagram).
4. Screw the vent assembly (13) into the saddle clamp. When the saddle clamp is installed on a vertical section of the waste pipe screw the elbow in first and use the lock nut to secure the air gap assembly in the vertical position.

   For non-UK installations where space is limited, the vent assembly can be shortened. To do this:

   a. Unscrew the tundish from the vent pipe, discard the tundish washer, and set the tundish aside.
   b. Unscrew the vent pipe from the non-return valve (NRV), taking care to retain the NRV washer. You can now discard the vent pipe.
   c. Ensure the NRV washer is still securely seated in the NRV.
   d. Screw the tundish directly into the NRV until a watertight seal is achieved. Do not overtighten.







5. Take the vent hose (15) (black indicator) and place one of the G1/2” NutRunna® over the nut (15.B). Screw the nut on to the G1/2” male thread at the top of the vent assembly (13). Hand tighten the nut firmly, sufficient to make a watertight seal. Do not overtighten.

7. INSTALL THE BOILER TANK

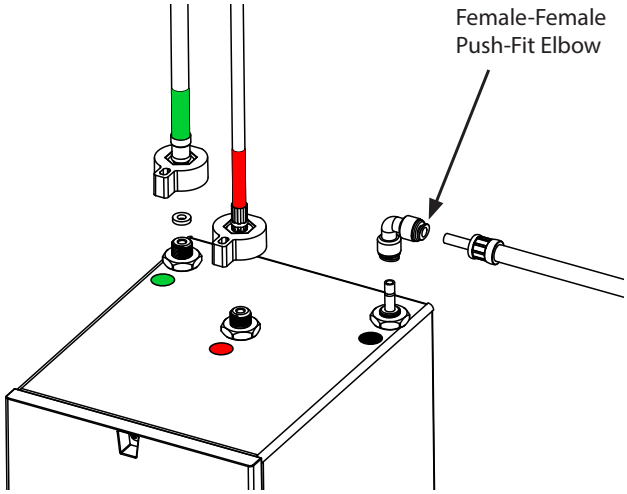
IMPORTANT NOTE: Do not plug the boiler tank into the power supply at this stage.

For ease of installation the tank connections and the flexible hoses are colour coded:

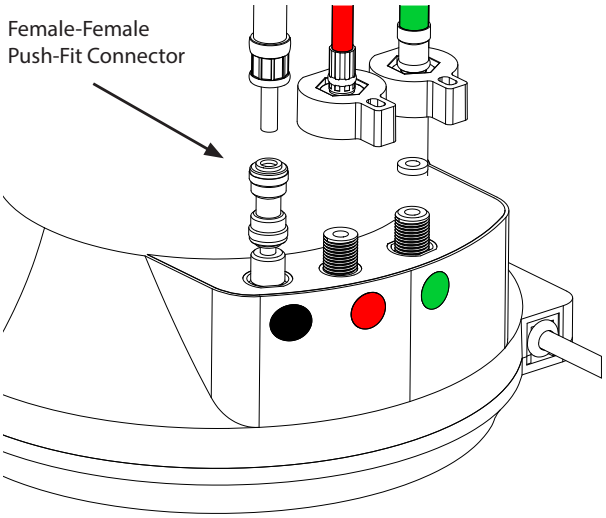
Green - Filtered water

Red - Boiling water

Black - Vent



2 Litre & 7 Litre Boiler Tanks



4 Litre Boiler Tank

1. Remove the protective caps from the three connections on the top of the 2 and 7 litre boilers or the back of the 4 litre boiler.

2. Place the boiler tank (11) in position in an upright position on a flat surface inside the cabinet.

3. Take the G1/4" female nut (18.B) at the free end of the filter outlet hose (green indicator). Remove the plastic cap from inside the nut. Take one of the G1/4" NutRunna® (9) and place over the nut. Screw the nut onto the G1/4" male boiler inlet (green dot). Hand tighten sufficient to make a watertight seal. Do not overtighten

   IMPORTANT NOTE: Be careful to make sure the washer retained in the nut does not fall out when removing the cap.

4. Take the G1/4" nut (Red Indicator) of the boiling water hose (1.D) attached to the base of the tap (red indicator). This hose has a retained washer, please check it is in position and free from any debris. Take the spare G1/4" NutRunna® (9) and place over the nut. Screw the nut onto the G1/4" boiling water outlet of the boiler (red dot). Hand tighten the nut firmly, sufficient to make a watertight seal. Do not overtighten.

5. Connect the vent hose to the tank. The connector for a 4 Litre boiler tank is different to the 2 & 7 Litre versions:

   4 Litre Boiler Tank – (the push-fit connector (12b) is pre-fitted to the vent outlet on the boiler tank) Take the free end of the vent hose (15a) with the grey push-fit stem (Black indicator) and push it firmly into the push-fit connector (12b) connected to the vent outlet of the boiler tank.

   2 & 7 Litre Boiler Tanks – (the push-fit elbow connector is in a bag attached to the boiler tank power cable). Take the push-fit elbow (12a) and the free end of the vent hose (15a). Push the push-fit elbow on to the grey push-fit stem (Black Indicator) on the end of the vent hose. Push the remaining free end of the push-fit elbow firmly home in place on to the metal spigot (black dot) protruding from the top of the boiler tank.

6. Use the cable ties (8) to neatly secure the various flexible hoses out of harm's way.

8. COMMISSIONING THE SYSTEM

1. Install the filter cartridge into the filter housing. (Refer to the separate CHANGING THE FILTER CARTRIDGE section on page 14).

2. Turn on the hot and cold water supplies.

3. Operate the hot and cold water functions on the tap for 3 minutes to flush the tap. (Please see the OPERATING THE QETTLE TAP overleaf).

4. Turn on the water supply to the filter system.

5. Operate the boiling and filtered water functions on the tap for 3 minutes to flush the tap. (Please see the OPERATING THE QETTLE TAP overleaf).

6. Turn the tap off and check all the connections for leaks.

7. Plug the boiler tank into the mains electricity supply socket.

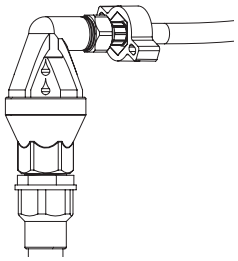
8. Remove the warning strip covering the “ON-OFF” switch on the boiler tank and turn the switch to the “ON” position. Check the LED on the boiler. The LED’s will behave differently depending on the boiler size:

   2L Tank – LED turns red
   4L Tank – Left LED turns green to indicate power is on, Right LED turns red to indicate the tank is heating up
   7L Tank – Power and Operating LED turn on

9. After 12 minutes (20 minutes for 7 Litre) monitor the tundish cup to confirm that water is discharging from the vent pipe. Once confirmed, operate the boiling function of the tap for 5 seconds to release the pressure before allowing completion of the initial heat cycle.

   IMPORTANT NOTE: if water has not started to discharge from the vent pipe upon completion of the initial heat cycle, switch off the power, operate the boiling water function of the tap to release the pressure, and refer to the Trouble Shooting Section of overleaf.

Tundish Cup



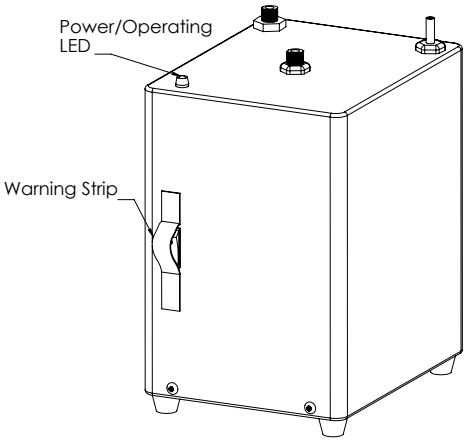
10. After approximately 20 minutes (30 minutes for 7 Litre) the boiler should have reached full temperature. This is indicated on the boiler by:

    2L Tank – LED turns off
    4L Tank – Right LED turns green
    7L Tank – Operating LED turns off

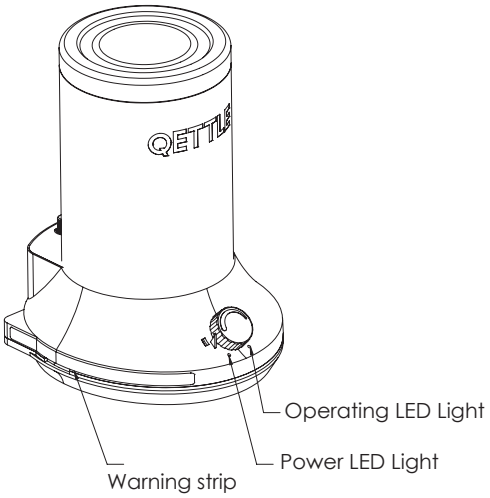
11. Operate the boiling water function until the water runs cold to flush the system again.

12. Leave the boiler to heat the water again. Once the water has reached full temperature the system will be ready for use. Please demonstrate to the homeowner the procedure for replacing the water filter cartridge and explain the importance of scheduled filter cartridge changes to maintain the quality of the filtered water and the boiler tank guarantee.

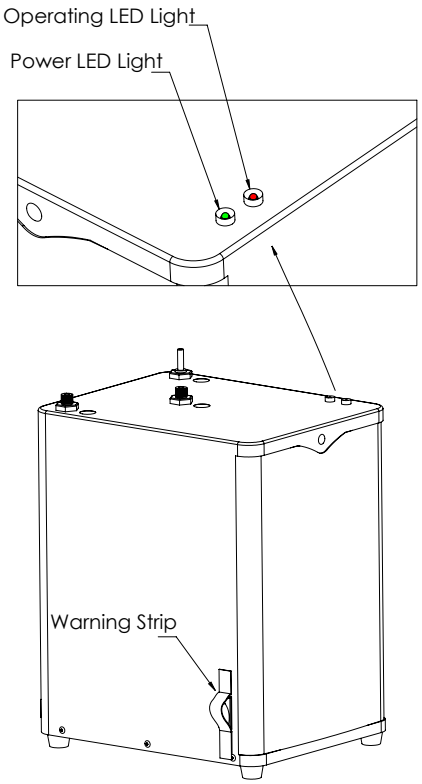
2 Litre



4 Litre



7 Litre

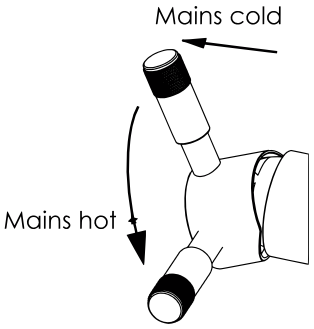


OPERATING THE QETTLE 4-IN-1 TAP

The body of the tap is clearly marked to show the 4 functions.

NORMAL UNFILTERED MAINS HOT AND COLD WATER.

The hot and cold water is controlled by the lever opposite the boiling/cold filtered water lever. Push the lever away from the tap to dispense the water and regulate the flow. Mains cold water is dispensed when the lever is in the vertical position. Mains hot water is dispensed when the lever is in the horizontal position. Mixed water is dispensed when the lever is set between those 2 points. Refer to the adjacent diagram for further guidance.



COLD FILTERED WATER

The cold filtered water function is controlled by turning the boiling filtered water lever towards you without depressing the button to disconnect the safety lock.

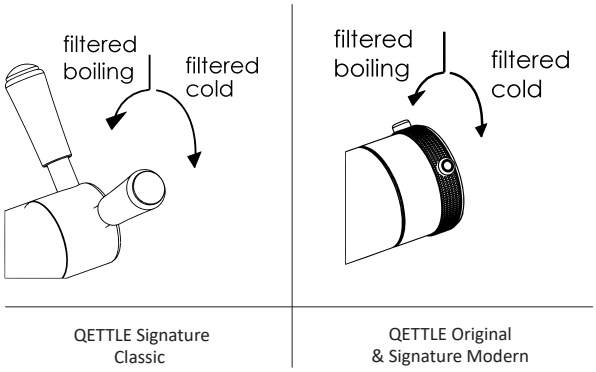


BOILING FILTERED WATER

Remove the red safety clip (3). Depress the button on the boiling water handle to release the safety lock, then rotate it. If there is a lever handle, push down the lever and rotate.



IMPORTANT NOTE: It is the responsibility of the user to check that the tap is shut off correctly. The safety clip can only be re-fitted when the handle is correctly located in the OFF position.



THE CORRECT WAY TO DISPENSE THE BOILING WATER.

Position the outlet of the spout inside the receptacle you are about to fill (saucepan, cup or jug for example). Operate the boiling water while gradually lowering the receptacle as it fills.

CARE AND MAINTENANCE

CLEANING THE QETTLE TAP

To maintain the appearance of this fitting, ensure it is cleaned only using a clean, soft damp cloth. A solution of warm water and mild liquid detergent may be used where necessary, and then the fitting rinsed thoroughly. Abrasive cleaners or acidic cleaners MUST NOT BE USED under any circumstances. Avoid contact with all solvents.

LEAK DETECTOR & FILTER TIMER MAINTENANCE

Resetting the Leak Detector
To reset the Leak Detector and turn the flow of water back on, press and hold the Water On/Off button on the front of the Leak Detector for 3 seconds. The Leak Detector will sound a long beep. After this water should begin flowing through the system again.

Low Power Warning
The light on the tap will flash yellow every 30 seconds when the power in the battery is getting low. You should immediately change the battery to ensure that the Leak Detector continues to function. The Leak Detector will shut off the water to the system.

Changing the Battery
To change the battery remove the Leak Detector from underneath the cover and remove the cover on the side of the leak detector. Remove the old 9V Battery and replace with a new one. Once the new battery is installed the light on the tap will flash yellow then red and the leak detector will sound a long beep.

REMOVING THE BOILER TANK

1. Disconnect the electricity supply to the boiler tank.
2. Operate the boiling water function and run the boiling water until the water flowing from the spout runs cold.
3. Shut off the water supply to the boiler tank.
4. Operate the boiling water for a second time until the water stops flowing to release the pressure in the boiler.
5. Disconnect the hoses from the boiler tank using a suitable container to catch residual water.
6. Remove the boiler tank carefully, unscrew the brass drain nut at the base and pour out the water it contains.

BOILER TANK & WATER FILTER MAINTENANCE

- The boiler tank should be deep cleaned annually to flush the system which will help keep it in optimum working order. The deep clean process is explained overleaf and the deep clean solution can be purchased online at **qettle.com**
- The water filter supplied with this unit is designed to both protect the boiler tank and provide high quality drinking water free of sediment, chlorine and other potentially harmful contaminants.
- Changing the filter cartridge every 6 months will keep the boiler tank in good condition and maintain the quality of the filtered drinking water. QETTLE will not accept responsibility for boiler tank failures if the filter cartridge has not been replaced at the recommended 6 month intervals. Genuine QETTLE filter cartridges can be purchased online at **qettle.com**.

- An occasional wash in warm soapy water is sufficient to keep the plastic housing clean. Under no circumstances should the plastic filter housing come into contact with any proprietary cleaners such as kitchen sprays, bleach etc. as contact with certain chemicals can degrade the plastic and cause it to fail.

- The plastic housing must be replaced every 10 years due to the tendency of plastic materials to degrade and weaken over time.

- A smear of WRAS approved silicone grease applied to the filter sump thread and to the rubber sealing ring in the head of the filter at each cartridge change will make it easier to unscrew the sump. Only a WRAS approved alternative grease must be used for this purpose. Non-approved greases may degrade both the seal and the plastic housing and lead to eventual failure. Small tubes of WRAS approved silicone grease are available at **qettle.com**.

CHANGING THE FILTER CARTRIDGE

1. Operate the switch on the front or side of the boiler to switch off the boiler power supply.

2. Drain the system of boiling water by running the boiling water until it runs cold.

3. Shut off the water supply to the filter using the adjacent stop-valve.

4. Press the red button at the top of the filter unit to exhaust the pressure in the system. It will not be possible to unscrew the filter canister if this operation is not carried out.

5. Place a shallow container in the cabinet to catch any water residues when removing the filter sump. Grip the sump firmly and turn it firmly to the left to break the seal. Unscrew the sump by hand until it separates from the head of the filter.

6. If the old cartridge does not automatically fall free press down on the top mount of the cartridge to release it. Remove the old cartridge and discard the remaining water in the sump.

7. Remove the new filter cartridge from its packaging, wet the "O" seal and place it in the filter sump. Position the sump, with the cartridge inside, under the filter head and screw it in place. The cartridge should engage automatically. Tighten the sump, sufficient to make a water tight seal.

8. Turn the water supply 'on' and check the system carefully for leaks.

9. Operate the system and run the boiling water for a few moments until the water runs clear. Run the boiling water for a moment to release any trapped air.

10. Turn the boiler power supply back on.

11. Monitor the tundish cup (see "Commissioning the System", page 12).

12. Press and hold the Filter Timer button on the module for 3 seconds. The module will emit an audible beep and the LED on the tap will stop flashing Red. The filter change indicator is now reset.

BOILER TANK DEEP CLEAN PROCEDURE

1. Operate the switch on the front or side of the boiler tank to switch off the boiler power supply.

2. Drain the system of boiling water by running the boiling water until it runs cold.

3. Shut off the water supply to the filter using the adjacent stop-valve.

4. Press the red button at the top of the filter unit to exhaust the pressure in the system. It will not be possible to unscrew the filter canister if this operation is not carried out.

5. Place a shallow container in the cabinet to catch any water residues when removing the filter sump. Grip the sump firmly and turn it firmly to the left to break the seal. Unscrew the sump by hand until it separates from the head of the filter.

6. If the old cartridge does not automatically fall free press down on the top mount of the cartridge to release it. Remove the old cartridge and discard the remaining water in the sump.

7. Leave the filter cartridge in the sink.

8. Pour the deep clean solution into the filter sump.

9. Carefully replace the sump by screwing it into place.

10. Turn on the water supply to the filter system.

11. Allow 20 minutes of waiting time. Do not power up the boiler tank at this stage.

12. Run the boiling water side of the tap for 30 seconds.

13. After 20 minutes, turn on the power to the boiler tank and allow it to heat for 20 minutes.

14. After 20 minutes, run the boiling side of your tap for 10 minutes to flush the system through. **IMPORTANT NOTE:** When running the tap for the first time after heating, the tap will splutter. This is normal.

15. Now run the filtered side of your tap for 10 minutes to flush the system through.

16. Repeat steps 13 & 14 flush through the filtered & boiling sides of your QETTLE again.

17. Now follow the CHANGING THE FILTER CARTRIDGE steps adjacent to this section.

18. The system now should be ready for use.

SENSIBLE PRECAUTIONS

If you are planning to leave the premises for an extended period (over a week) it is a sensible precaution to turn off both the electricity supply and the water supply to your system.

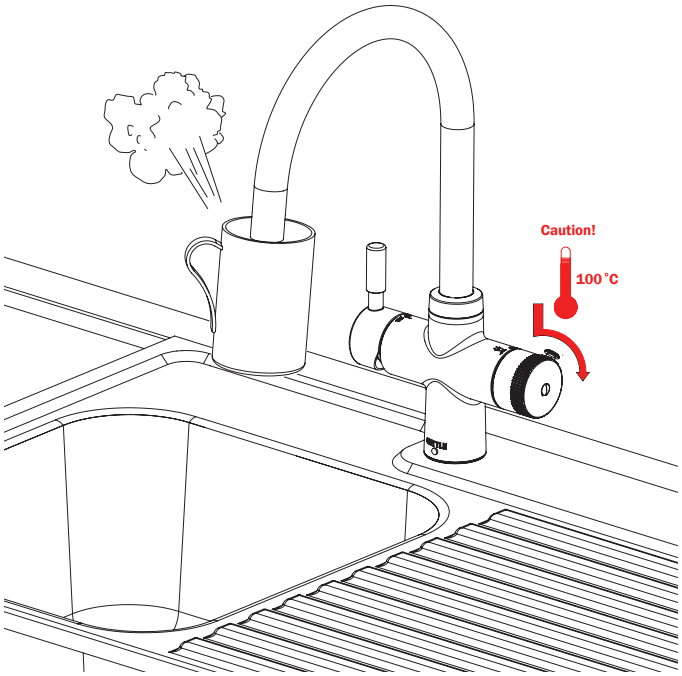
FREQUENTLY ASKED QUESTIONS AND TROUBLESHOOTING GUIDE

THE BOILING WATER FLOW IS AGITATED AND NOISY

Please bear in mind that your QETTLE 4-in-1 Tap system is dispensing boiling water, rather than very hot water, and as a consequence there will be the normal steam, agitation and noise associated with boiling water. Initially this may be alarming, but read through the technique suggested below and practice it a few times. Soon you will gain confidence and using the tap will be second nature. Bear in mind that your QETTLE 4-in-1 tap dispenses water hotter than you are used to with a kettle.

TO OPERATE THE BOILING WATER FUNCTION

Discharge a small amount of water until steam appears. Turn off the boiling water. Position the vessel over the outlet of the tap spout and continue to dispense boiling water by maintaining pressure on the handle. Gradually lower the vessel while keeping the spout just above the surface of the water.



WATER FAILS TO DISCHARGE FROM THE VENT TUBE BEFORE THE COMPLETION OF THE INTIAL HEAT CYCLE

Check there is power to the boiler tank. The Power LED on the boiler should be ON.

Check there are no kinks in the vent hose.

Run the boiling water side of the tap until the water runs cold. Repeat the monitoring process, ensuring the tap is not operated until water is seen venting into the tundish cup.

WATER IS CONTINUALLY DRIPPING/RUNNING INTO THE VENT ASSEMBLY

Ensure the Pressure Limiter (2b) is correctly fitted. Water continuously discharging from the vent indicates that the water pressure is too high; above the stipulated maximum. In normal operation the pressure relief valve will allow water to drip for approximately 20 minutes after the boiler is switched on. Thereafter it will drip periodically; after water is drawn off and as the boiler comes back up to temperature.

THE VENT ASSEMBLY IS OVERFLOWING

Check that the hole has been properly cut in the waste pipe and if so that it is clear of any debris.

THE HOT WATER FLOW FROM THE TAP IS SLOW (NOT THE BOILING WATER)

Check the Hot water pressure. A minimum of 1.5 bar pressure is required.

THE COLD WATER FLOW FROM THE TAP IS SLOW (NOT THE FILTERED WATER)

Check the Cold water pressure. A minimum of 1.5 bar pressure is required.

ALL THE WATER FLOW THROUGH THE TAP IS SLOW

Unscrew and remove the aerator from the end of the spout and check it is clear of any debris.

THE FILTERED COLD AND BOILING WATER FLOW FROM THE TAP IS SLOW

Generally this indicates that the filter cartridge is clogged with contaminants and needs replacing. You can check by operating the filtered water with no cartridge in the filter housing.

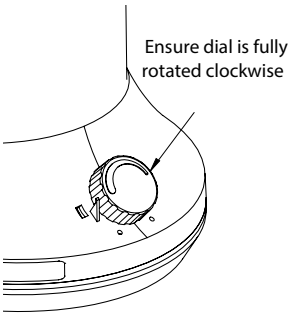
THE FLOW OF FILTERED BOILING WATER HAS SLOWED TO AN UNACCEPTABLE LEVEL INSIDE THE 6 MONTHS CHANGE PERIOD

The period between cartridge replacements is not guaranteed; it is an estimate based on filtering mains water of average quality. Please bear in mind that water quality varies from locality to locality and situation to situation. In areas with higher than average turbidity (particle contamination) more frequent cartridge changes may be necessary.

THE BOILING WATER FUNCTION IS DISPENSING COLD WATER INSTEAD OF BOILING WATER

Check that the electrical supply is correctly connected.

If your tank has a dial on the front, check that it is positioned correctly.



Check the 13amp fuse in the plug.

If you are still experiencing problems after completing these steps please contact QETTLE for support.

UNSIGHTLY DEPOSITS ON THE SURFACE OF A CUP OF TEA

In hard water areas a 'scum' can appear on the surface of hot tea. Although unsightly it is completely harmless. The cause is related to the precipitation of calcium and magnesium in hard water regions and a reaction with the tea bag material. Changing tea bags will often remedy the problem. Alternatively you can consider switching to a Q06 filter cartridge which will remove the calcium and magnesium however please note this filter will need to be changed more frequently, perhaps every 2- 3 months. The life of the Q06 filter is dependent on the hardness of the water supply and the volume of water passed through it, so is impossible to predict, however the return of the 'scum' on hot drinks is an indication it should be replaced.

FOAM OR A FILM IS FORMING ON THE SURFACE OF HOT DRINKS

This is caused by a combination of the agitation of the boiling water creating millions of tiny air bubbles, the ph of the water and the amount of oil in the teabag material. Experimenting with different tea bags is worth a try.

To reduce the problem try filling the teapot or cup with boiling water before dropping the tea bag in rather than running the boiling water directly onto the teabag or perhaps experiment with different brands of tea bag.

MILKY OR CLOUDY APPEARANCE OF THE BOILING FILTERED WATER

A new filter cartridge has a significant amount of air trapped in the microporous structure of the cartridge. This will form tiny bubbles and give the water in the glass a milky appearance that will soon disperse when left to stand for a few moments. This may continue for 2 to 3 weeks until the cartridge is fully conditioned.

TINY BLACK SPECKS IN THE WATER

Tiny black specs may appear initially in the water. These are harmless particles of carbon; residues from the manufacturing process. Allow the filtered water to continue flowing for a while until they are completely flushed through.

CONDENSATION IS DRIPPING FROM EXPOSED COPPER PIPES ADJACENT TO THE BOILER TANK

This can be reduced by wrapping insulation around the pipes in question.

GUARANTEE

This QETTLE product carries the following guarantees against material and manufacturing defects:

QETTLE Signature Range Taps - 2 Years on the tap finish and working parts

QETTLE Original Range Taps - 1 Year on the tap finish, 2 years on the working parts

QETTLE Boiler Tank - 2 Years

QETTLE water filter complete with a Q08 filter cartridge - 2 Years

You should also retain your dated invoice as proof of purchase to validate any claims under our guarantee. The guarantee will be valid from the date of purchase as shown on the sales invoice. This appliance is intended for domestic use only. The guarantee does not apply to products installed outside a domestic environment.

WHAT IS COVERED BY THE QETTLE GUARANTEE?

The repair or replacement of all or part of your system if your system is found to be defective due to faulty materials or manufacture within the relevant guarantee periods at QETTLE's discretion.

If any part is no longer available, or out of manufacture, QETTLE reserve the right to replace it with a suitable alternative.

TERMS AND CONDITIONS OF THE QETTLE 2 YEAR GUARANTEE

The guarantee is valid for the UK.

The guarantee becomes effective at the date of purchase or at the date of delivery if this is later.

Proof of purchase is required under the terms of the guarantee.

The guarantee provides benefits in addition to your statutory consumer rights.

QETTLE DOES NOT GUARANTEE THE REPAIR OR REPLACEMENT OF A PRODUCT THAT HAS FAILED FOR ANY OF THE FOLLOWING REASONS:

- Faulty installation, repairs or alterations not in accordance with the installation guide.
- Normal wear and tear.
- Accidental damage or faults caused by negligent use or care; misuse; neglect; careless operation and failure to use the system in accordance with the QETTLE operating guidelines.
- Failure to maintain the water filter in strict accordance with our instructions. Proof of purchase for water filter cartridges is required to validate claims under our guarantee.
- Failure to perform a Deep Clean of the Boiler Tank at least once every 12 months.
- The use of anything other than genuine QETTLE replacement parts, including the water filter cartridge.
- The use of the filter system for anything other than normal domestic household purposes.
- Failures of, or failures caused by, parts not supplied as part of the genuine QETTLE system.

HOW DO I MAKE A CLAIM UNDER MY GUARANTEE?

If you are in doubt about what is covered by your guarantee, or wish to discuss a claim, please call please call QETTLE on 01603 875 464 Monday to Friday between the hours of 9.00am and 5.00pm.

If you are calling for the first time please have your receipt to hand so that we can record your date of purchase.

The company reserves the right to alter, change or modify product specifications without prior notice.

DECLARATION OF CONFORMITY

The QETTLE boiler tank complies to and is in accordance with the following directives:

Low Voltage Directive
EN 60335-1: 2012 + A15 : 2021
EN 60335-2-21 :2021 + A1: 2021
EN 60335-2-35: 2016 + A2: 2021

RoHS Directive
EN IEC 63000:2018

Ecodesign Design Regulation
(EU) No 814/2013
(EU) No 812/201



The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

The QETTLE 4-in-1 system is a product designed by Greg Rowe Ltd. England and is protected by the following patents: US9,958,075, GB1515293.7 and the following patent applications: 1517097.0, PCT/GB2016/052893, 1717969.8

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QETTLE
Pinewood Farm
Shortthorn Road
Stratton Strawless
NORWICH
NR10 5NT

Phone: +44 (0)1603 875 464
Email: support@qettle.com

Part No: 999715

QETTLE is a trading name of Greg Rowe Limited