Zip HydroTap®G4

Filtered boiling and chilled drinking water for the home.

Affix model number label
here
802257UK

Zip®

Instant Boiling Water
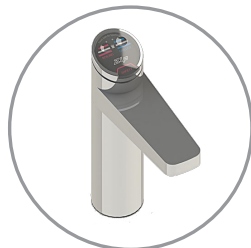
Tap options

The G4 series offers a range of interchangeable taps to suit the customer's needs

Classic HydroTap®G4 range

Arc / Cube range

These standalone taps are directly compatible with the G4 Command-Centre™.

Elite range

Mixer range

The mixer tap range may be used in conjunction with any of the above to provide mixed hot and cold water for sanitary use.

Index

HydroTap®G4 specifications

Installation instructions

Step 1 - Measure and cut all the tap holes before fitting the taps.

Step 2 - Check for adequate ventilation.

Step 3 - Install the booster and / or filter / softener (if required).

Step 4 - Install the Command-Centre™.

Step 5 - Commission the HydroTap®G4.

Trouble shooting

Installation checklist

Before installation

• Read the instructions and check if there is adequate space to install all of the components.

• **Note** Not all fittings are supplied with the appliance kit. Isolation valves are not supplied.

• Check the mains water pressure is within min / max requirements (see page 9).

• Check the water quality to determine if extra filtration will be required.

• **Note** This product must be fitted to a potable water supply.

• Check the Command-Centre™ rating plate and ensure correct power is available.

• Check the under counter cupboard floor supporting the Command-Centre™ is adequate for its total weight, when full of water.

Before commissioning

• Check the system has been installed correctly.

• Check all plumbing fittings have been tightened.

• Ensure the outlet and vent pipes are positioned to drain correctly.

• Ensure there is adequate ventilation.

• Check all tubes and pipes from the Command-Centre™ to the tap have a constant rise and there are no sags or kinks in the hoses.

• Check all electrical connections are correct and there are no loose wires.

Commission (see section 5)

• Flush the supply line before connecting.

• Turn on the water and check for leaks.

• Flush the filter(s).

• Activate / enable the booster (if fitted).

• Calibrate the safety sensor for boiling models.

• Where applicable, programme the Command-Centre™ to suit the customer's requirements.

Thank you for purchasing a Zip HydroTap®G4. Please read and follow these instructions carefully to ensure safe and trouble free operation. If help and advice is required, please call 0845 6 005 005 or 0345 6 005 005.

What is the Zip HydroTap®G4 ?

This Zip HydroTap®G4 is an electronically controlled, filtered, boiling and ambient water drinking system for the kitchen. The HydroTap®G4 systems are under counter drinking water appliances with a dispensing tap mounted on a sink or worktop, which has been designed for residential applications. The HydroTap®G4 utilises an immersion heating element to boil the water. The boiling models will dispense boiling water (factory set to 98°C). These units are NOT designed to be used as sanitary fixtures.

The Zip HydroTap®G4 models which dispense boiling water are fitted with a tap mounted safety lock. In addition, there are various energy saving options accessible via the main menu. The system is equipped with a self-calibrating program which caters for altitude adjustment. The water filter is a disposable item which will require periodic replacement and is covered by a limited OEM warranty.

It is important that the installation be undertaken safely, correctly and completely in order to utilise all the benefits that the HydroTap®G4 can provide. HydroTap®G4 Classic taps can be ordered with the tap head assembly for disabled use. The disabled levers are supplied with Braille caps for the visually impaired.

The Command-Centre™

Boiling models   **Boiling ambient models**

Important safety instructions

This manual contains important safety and installation instructions for the Zip HydroTap®G4.
Please read all warnings, installation requirements and installation instructions before installing any Zip HydroTap®G4. This system must be installed in accordance with water supply byelaws, current IEE regulations and relevant local authority byelaws.

Safety

This appliance is not intended for use by children under 8 years or persons (including children under 8 years) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Qualifications

If the power cable is damaged it must be repaired only by a qualified technician. To avoid hazards, all installation procedures must be carried out by a suitably qualified tradesperson. The power cable and power outlet must be in a safe visible position for connection.

Venting

Sometimes steam and / or boiling water may discharge through a vent outlet on the tap. If the tap is not installed using the font pedestal, ensure the tap body is located so the tap outlet safely dispenses into the sink bowl area.

Lifting

Take care when lifting. The Command-Centre™ may exceed safe lifting limits. If you feel this is beyond your personal capabilities, please seek assistance with the lift. The weights of the Command-Centre™ is marked on the packaging. Do not lift the Command-Centre™ by the front cover or any of its connections. Refer to the technical specification, see page 9, for the weight of the product.

Airflow

The Zip HydroTap®G4 operates within the ambient temperature range 5ºC - 35ºC. Proper air circulation must be provided. The system will operate satisfactorily only if the recommended air gaps are provided. See Section 2 'Ventilation', page 17, for correct installation to prevent overheating.

Altitude

Water boils at varying temperatures at different altitudes. The HydroTap®G4 adjusts for this during startup calibration and will recalibrate itself on a regular basis.

Frost protection

If the HydroTap®G4 is located where the ambient air temperature could fall below 5ºC when the heater is not in use, do not turn off the appliance electrically. This safeguard does not offer the same protection to the connecting pipework and fittings.

Positioning

It is important to ensure the Command-Centre™ is positioned in an accessible area close to the floor level. The Command-Centre™ must have it's base mounted in a horizontal position with all inlets and outlets facing up. The tap must be located above the Command-Centre™. See Section 1, Tap installation, pages 11 - 16.
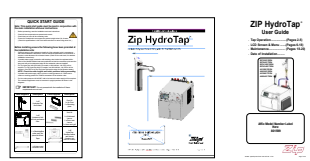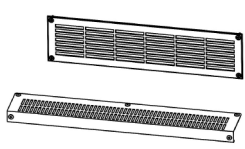
Warnings

- ⏚ The Zip HydroTap®G4 must be earthed. The resistance of the earth connection from each exposed metal part must be less than 1Ω.

- All installation and service work must be completed by trained and suitably qualified tradespeople. Faulty operation due to unqualified persons working on this product, or any other Zip product may void warranty coverage.

- As the installer, it is your responsibility to supply (if necessary) and install all valves as required by local regulations and relevant standards.

- The HydroTap®G4 is rated for 230V 50Hz AC operation.

- Do not remove the cover of the appliance under any circumstances without first isolating the appliance from the power supply.

- Never locate the Command-Centre™ near, or clean with water jets.

- Do not expose the Zip HydroTap®G4 to the elements of nature.

- Due to the process of continuous improvement, Zip Heaters reserves the right to change details mentioned in this manual, without notice.

- Visit www.zipheaters.co.uk to ensure you have the latest copy of this document.

Major components and accessories

Parts supplied	Description
Tap options	
	1 x HydroTap®G4 Classic Elite or Arc / Cube
	1 x Mixer tap Classic, Arc or Cube
Command-Centre™ and components	
	1 x Command-Centre™ with air and water filters
	1 x Mains water connection hose
	1 x Restrictaflow valve and T-piece (supplied with vented mixer taps)
	1 x User guide and 1 x Quick start guide 1 x Installation instruction

Accessories	Description
	Booster (inc. connection hoses) ZT011
	Scale filter installation kit *ZT200G4 Filter not included.
	Font Arc / Cube 93441UK*** Font Classic / Elite 90915UK**
	Replacement internal 0.2 micron filter ZT402
	Disabled lever kit SP91561 Boiling, ambient SP91562 Boiling (Classic HydroTap®)
	4-in-1 upgrade*** SP91546 Classic SP93413 Arc SP93414 Cube
	Recommended water block HE45004
	Duct kit SP91545 1 x Outlet vent 1 x Inlet vent

*ZT200G4 kit to fit filter FL1100

*** Chrome finish part numbers are shown, alternative finishes are available.

Commercial Boiling Chilled HydroTap®G4 range

HydroTap®s

Elite   Classic   Arc / Cube

Boiling, (ambient) and filtered.

Mixer taps

Classic   Arc   Cube

Boiling, (ambient), filtered and mixed hot & cold.
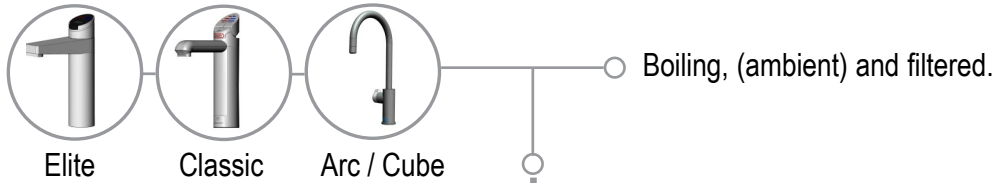
Specifications

Boost (10A)	13A sockets required	Power Rating (kW) 230V	Boost Rating (kW) 230V	Unit Dimensions W x D x H (mm) with air duct	**Dry Weight (kg)
Boiling, ambient and filtered, without booster					
no	1x13A	1.43	N/A	280 x 313 x 335	13
Boiling and filtered, without booster					
no	1x13A	1.43	N/A	280 x 313 x 335	11
Boiling, ambient and filtered, with booster					
yes	2x13A	1.43	2.20	280 x 313 x 335	13
Boiling and filtered, with booster					
yes	2x13A	1.43	2.20	280 x 313 x 335	11

**Add an extra 3-4 kg when full of water.

Min / Max water supply pressure

HydroTaps...0.17 MPa (1.7 bar) - 0.7 MPa (7 bar)

Mixer taps...0.2 MPa (2 bar) - 0.7 MPa (7 bar)

Booster and scale filter...0.2 MPa (2 bar) - 0.7 MPa (7 bar)

Before installation ensure that the following have been provided at the installation site

- Review of all the technical specifications.

- Ensure the under counter cupboard floor can support the product weight when full of water (allow an extra 3-4kg when full).

- Sufficient space in the cupboard to install the Command-Centre™ and other components in accordance with these installation instructions. See technical specification, page 9 for dimensions. Make allowance for a booster if required. See sections 3 to 4, pages 19 to 27 for installation instructions.

- For Zip HydroTap®G4 models without booster 1 x 220-240V AC 13A socket will be required.
  For Zip HydroTap®G4 models with booster, 2 x 220-240V AC 13A sockets will be required.
  (One socket is for the Command-Centre™ and the other for the booster).

- The Command-Centre™ must installed in accordance with IEE regulations.

Note check all cable and hose lengths against inlet /outlet positions before proceeding (see sections 3 to 4, pages 19 to 27 for general layout).
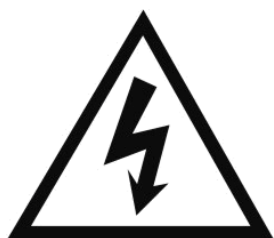
- A potable water supply connection with isolating valve inside the cupboard within reach of the braided hoses and positioned so that the connection point and the stop cock will not be obstructed when the Command-Centre™ is installed.

- If an external filtration or water softening device is required, then it is important to allow extra space for these items.

- A potable cold water supply with a minimum working pressure of: (see page 9 min. / max. water supply pressure).

- If pressure is likely to exceed 0.7 MPa (7 bar), install a 0.35 MPa (3.5 bar) pressure limiting valve.

- The appliance must be placed with its base in a horizontal position.

IMPORTANT! Do not proceed with the installation if these requirements are not met.

Section 1
Tap installation

Special tools required

In addition to normal tools, the following will be required.

For the HydroTap®G4 and mixer taps.

- 35mm diameter sheet metal hole punch for sink tops (not supplied).
- 35mm diameter hole saw for worktops (not supplied).
- Nut runner tube spanner (supplied) for fixing the tap assembly.

When installing a font, the following will be required

- Classic and Elite, 108mm diameter sheet metal or hole saw to suit surface being cut.
- Arc / Cube 140mm diameter sheet metal or hole saw to suit surface being cut.

Hole positioning

Position the tap such that it dispenses into the sink bowl with ample clearance for a cup or tea pot. Alternatively, the tap could be mounted away from the sink using a Zip Font, available as an accessory (see Major components and accessories, page 8).

Tap positioning

Tap	Recommended dispensing distance (mm)
Elite	116
HydroTap® Classic	116
HydroTap® Arc/Cube	171 (174 extended)
Mixer - Arc	231
Mixer - Classic	270
Mixer - Cube	310

Note Mixer taps have spouts that swivel. All images are for illustrative purposes, to aid understanding of the system configuration, and are not prescriptive of tap positioning.

- Ensure that the taps are mounted in a position that allows the water to safely drain to waste throughout the complete positional range.

116
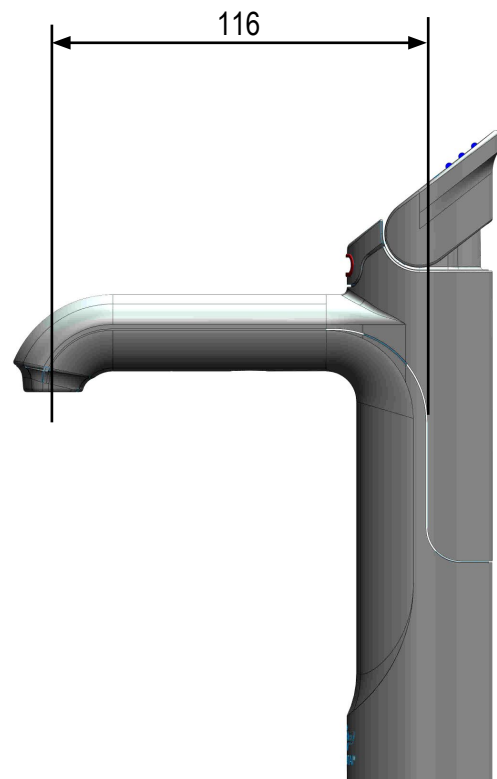
Boiling only HydroTap® G4 Classic

HydroTap®G4 Classic & Elite - tap installation

(See page 24 to 27 for Command-Centre™ connections).

1.1

All thread rod

Black plastic spacer

Stainless steel spacer

Spider clamp

Nut

min. 300mm

535mm

Clearance envelope

335mm
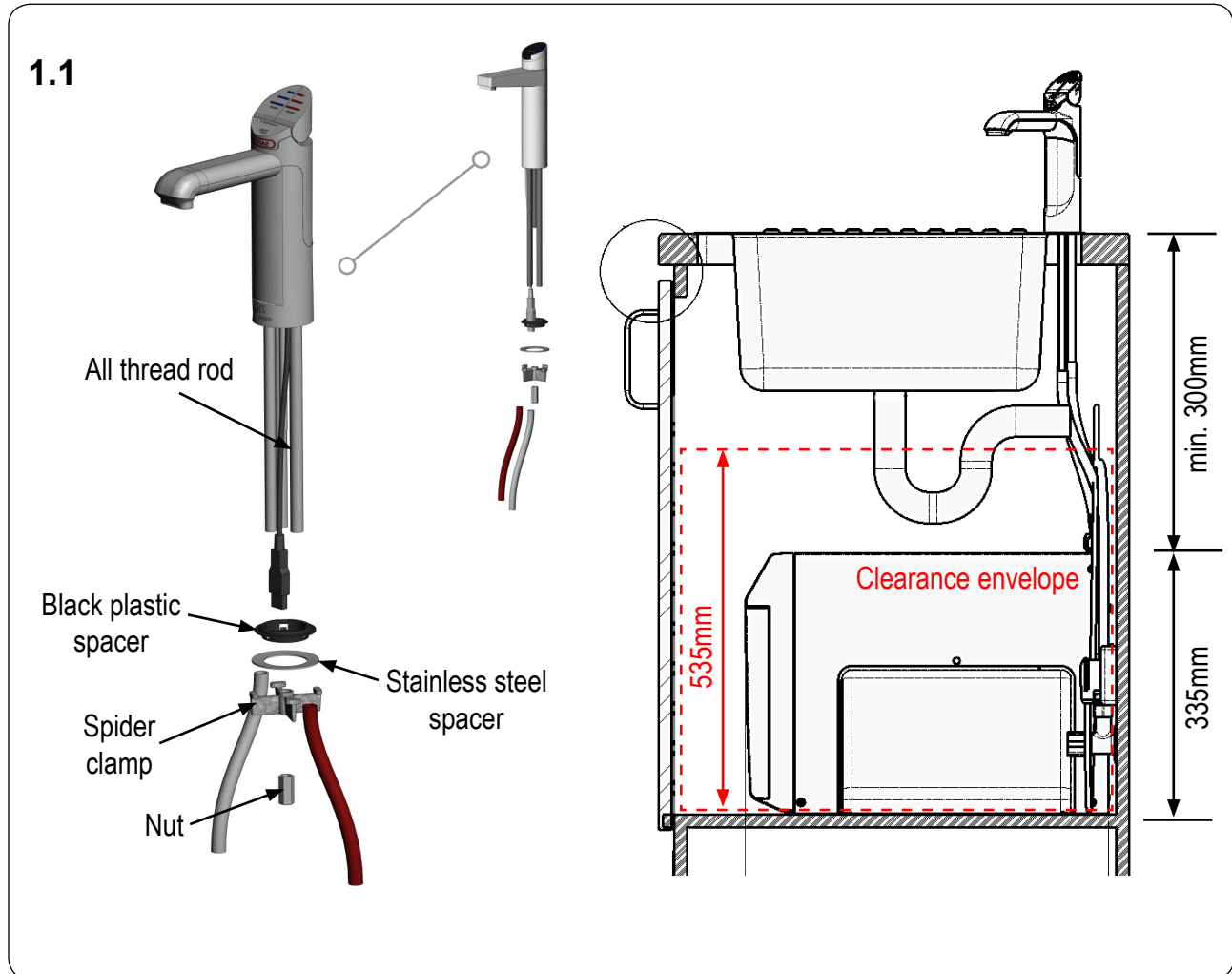
1.2

Apply a light smearing of silicon sealant on the underside of the spacer to ensure a watertight fit.

Cut a Ø35mm hole in the work / sink top.

Ø35mm

Note Make sure the tap location will allow the tap spout to drain into the sink.

1.3

Black plastic spacer
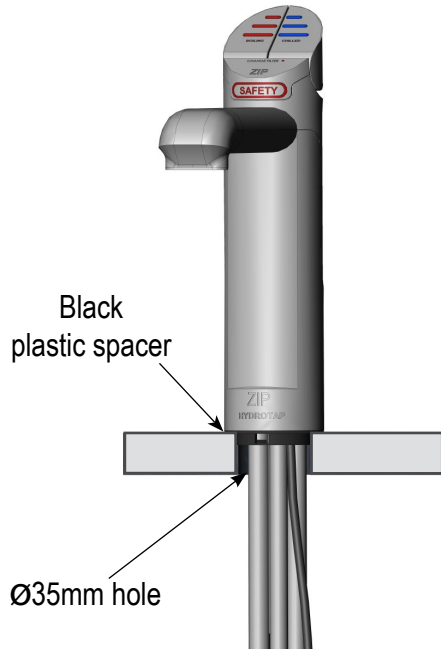
Ø35mm hole

Pass all the hoses, tubes and USB cable through the 35mm hole.

1.4

Fit the stainless steel washer, spider clamp, and nut.

Stainless steel washer

Spider clamp

Nut
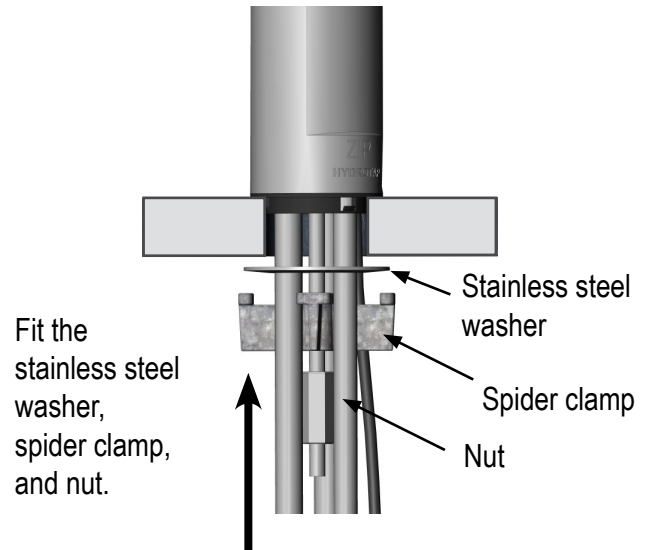
Note feed each of the three tubes and USB cable evenly in between the legs of the spider clamp during installation.

1.5 Example Classic HydroTap® installation

Red tube to boiling water outlet

Blue pipe to ambient water outlet

Note All plastic / silicon tubes must be cut to size. They must have a constant fall back to the Command-Centre™

Clear tube to Vent

Incoming water
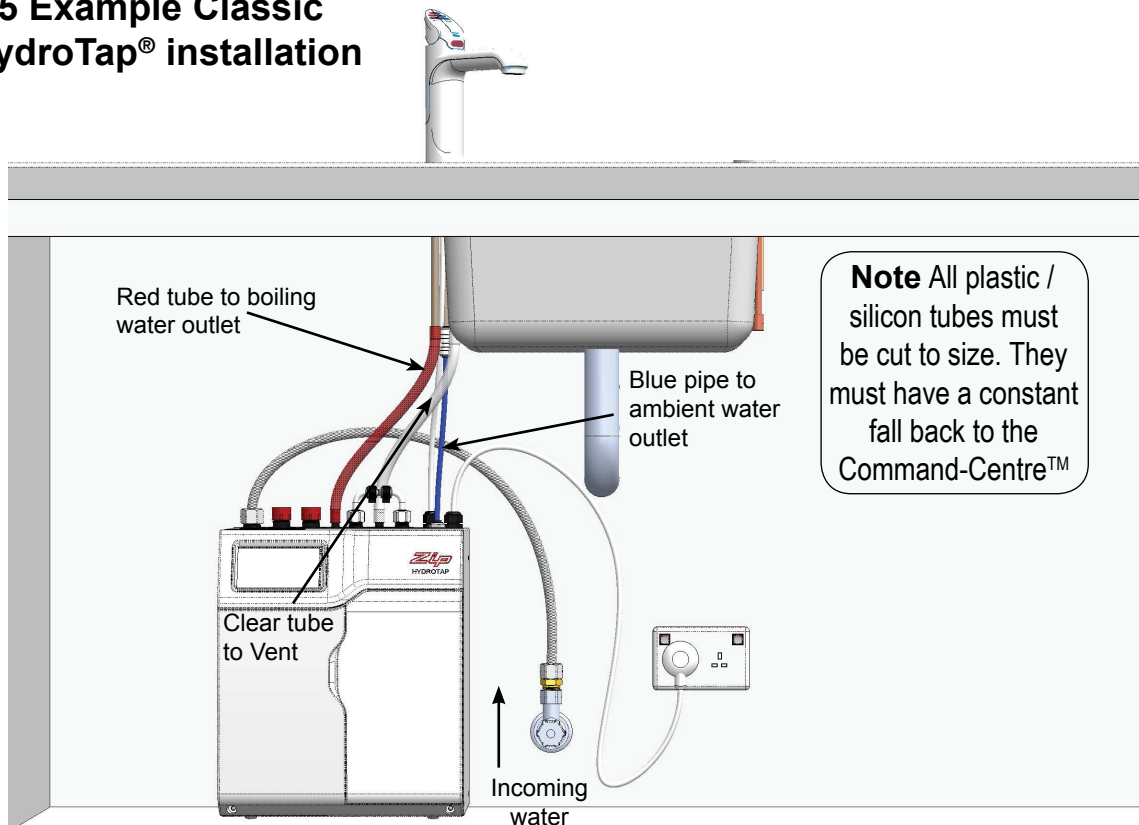
HydroTap®G4 Arc & Cube - tap installation

(See page 24 to 27 for Command-Centre™ connections).

The HydroTap Arc/Cube has a spout that may be fixed in one of 6 angular positions (depending on the position of the rotary control) and fixed in one of two height positions. The spout is fixed and does not swivel.

⚠ To reduce the risk of scalding, Position A should not be selected with any of the boiling water units*. (See fig. 1.8).

1.6 Configuring the tap

• Remove the 2 x spout locating screws and lower the spout to expose the plastic spring clip.

Note The plastic spring clip has two internal dimples that may be positioned in the 6 upper or 6 lower, pre drilled holes in the spout (see diagram below & figs. 1.7 & 1.8)
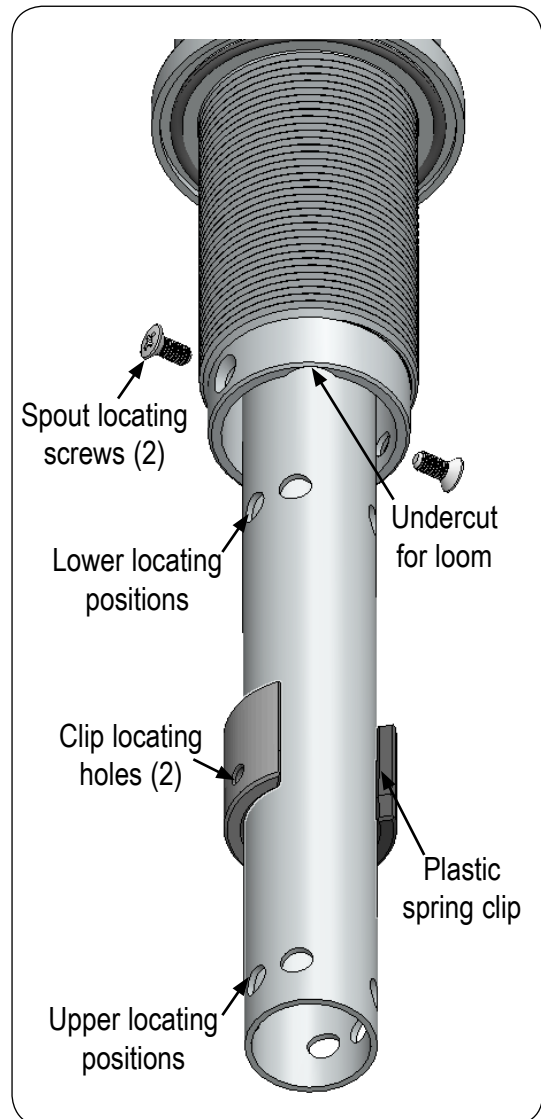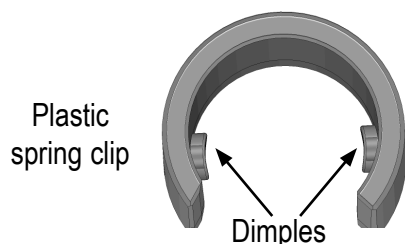
• To reposition the spout, gently spread the plastic spring clip to release the dimples from the spout holes. When released, slide the clip on the spout so that it ends up between the two rows of holes.
• Rotate the plastic clip on the spout to orient the dimples, so they are in line with the newly selected holes.

Note When determining which of the 6 holes are required for the new spout height and orientation, check the new plastic clip position will clear the undercut and that the USB lead will not be pinched, when assembled.

• Slide the plastic clip up/down to engage with the selected holes, making sure the two dimples engage simultaneously with the two selected holes.

Note The clip will not fit correctly if one dimple engages before the other. Both dimples must engage at the same time.

• With the clip fitted to the newly selected holes, carefully raise the spout (ensure the USB lead is a neat fit in the undercut and is located between the open ends of the clip) until the clip locating holes are in line with the spout locating screws.
• Replace the 2 x locating screws.
• If mounting on an uneven surface, apply a light smearing of silicon sealant on the o-rings to ensure a watertight fit. (See fig. 1.9).
• Pass the assembly (ensuring upper o-ring, base ring and lower o-ring are in place) through the Ø35mm hole and position the tap so it discharges into the sink.
• Fit the lower rubber seal to the threaded extension.
• Secure the tap in position with the metal washer and nut.

Spout locating screws (2)

Undercut for loom

Lower locating positions

Clip locating holes (2)

Plastic spring clip

Upper locating positions

Plastic spring clip

Dimples

1.7 Height adjustment (fixed position options)

50mm
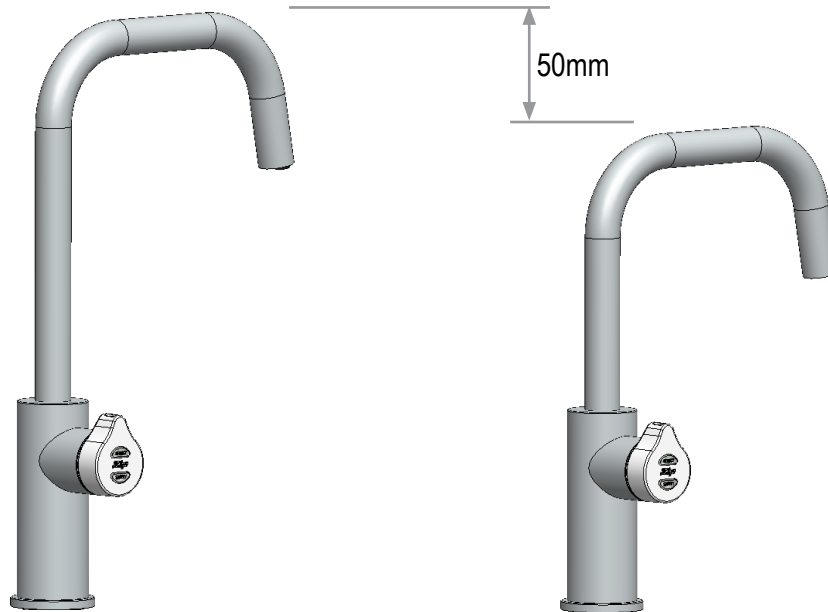
1.8 Angular adjustment (fixed position options)

Left hand control

Right hand control

*A   C   C   *A

B   B
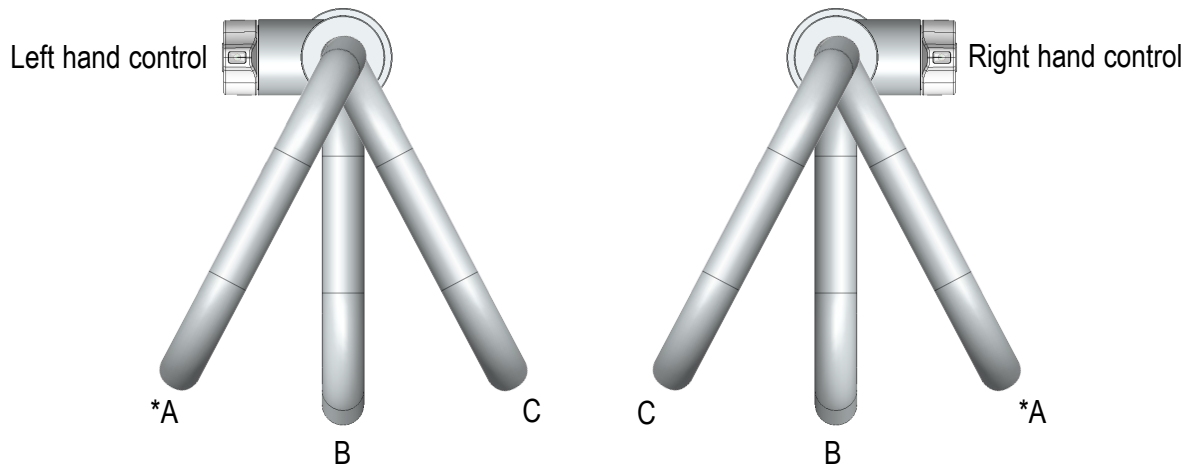
1.9 Mounting (See hole positioning, page 11)

Cut a Ø35mm hole in the work / sink top.

Ø35mm

Upper o-ring
Base Ring
Lower o-ring
(above work / sink top)

Lower rubber washer
Metal washer
Nut
(below work / sink top)
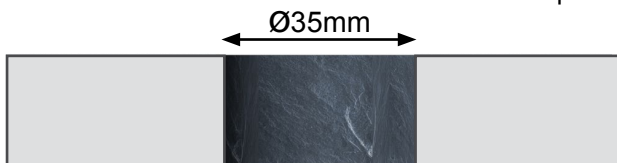
Note Make sure the tap location will allow
the tap spout to drain into the sink.
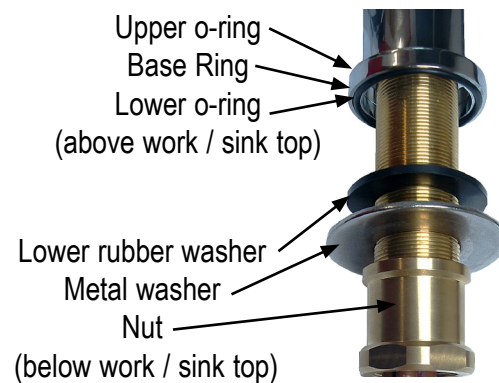
Note Use the Tube kit fitting instructions supplied with the tap kit to connect the tap head assembly to the Command-Centre™ after the tap has been securely mounted.

Mixer tap installation

(See page 26 and 27 for Command-Centre™ connections).

1.10

Upper rubber washer

Lower rubber washer

Braided hose x 3

Washer

Nut

Clearance envelope

535mm

min. 300mm

335mm
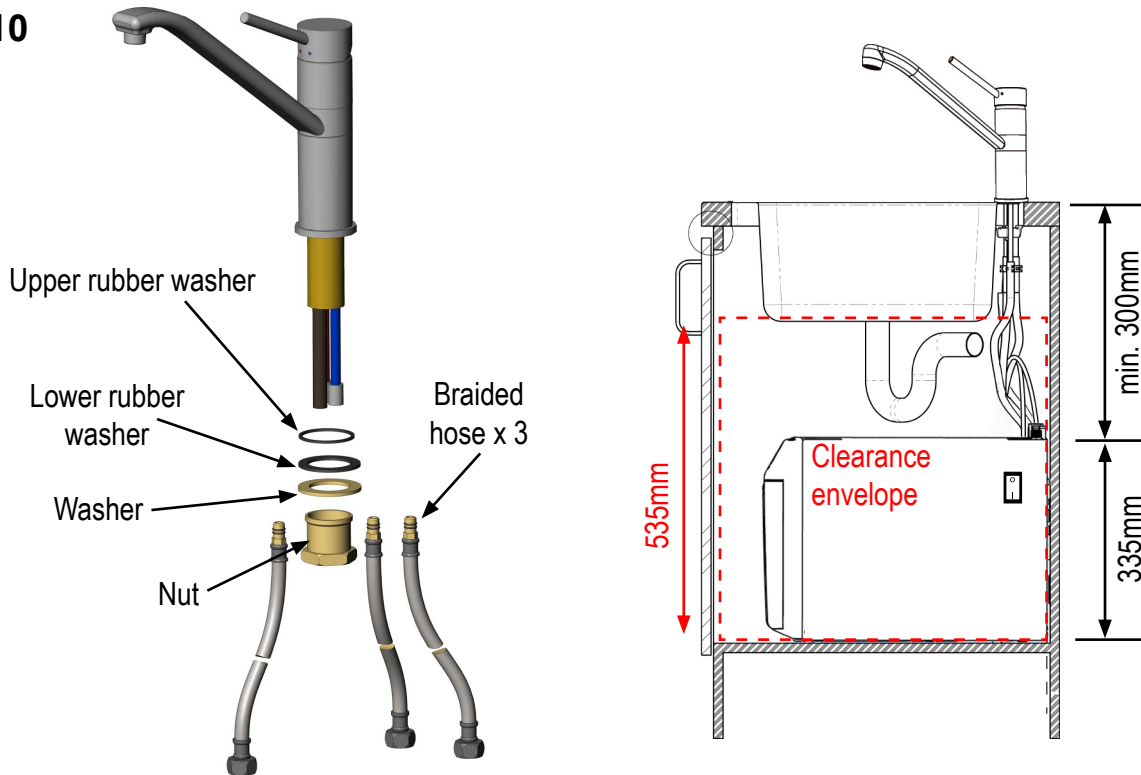
1.11

Cut a Ø35mm hole in the work / sink top.

Ø35mm

Note Make sure the tap location will allow the tap spout to drain into the sink.

Note The mixer tap requires a Restrictaflow valve, supplied, to be fitted in the cold water supply line, from the isolation valve T-piece, to the mixer tap.

- Slide upper rubber washer in place on underside of tap.
- Mount tap in position on Ø35mm hole.
- Slide lower rubber washer, metal washer then tap nut over thread extension, then tighten the tap nut to secure in place, do not over tighten.
- Attach the braided hoses (ensure the seals on the end of the hoses are lubricated), do not over tighten.

Upper rubber washer

Lower rubber washer

Washer

Nut

White marking - Ambient mains supply

Blue marking - MIXER IN on Command-Centre™

Red marking - MIXER OUT on Command-Centre™
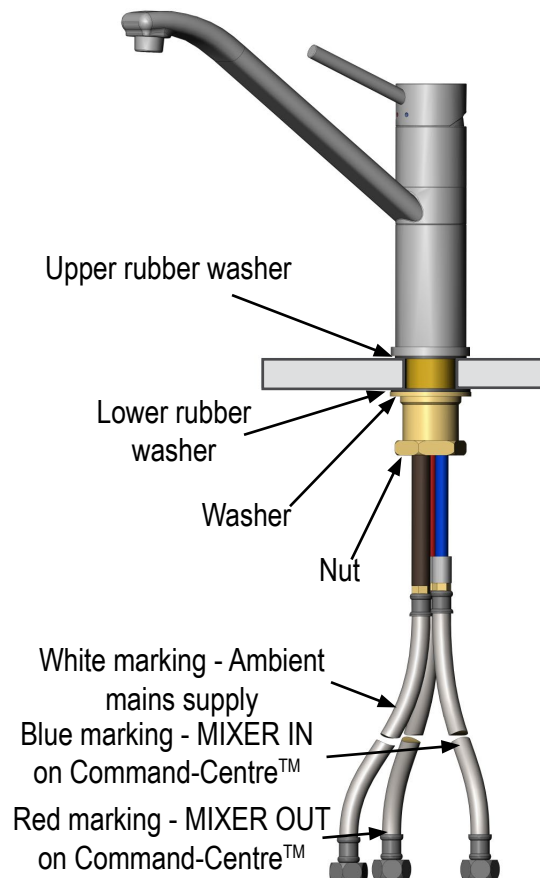
Section 2
Ventilation

2.1 Ventilation for all models

- The clearance envelope dimensions stated in the specification sheets and installation instructions must be observed.
- Adequate ventilation must be provided to ensure that the cupboard space temperature does not exceed 35^{0}C.

2.2 Preferred arrangement

- 4mm door buffers (at the four corners of each door) supplied with the Command-Centre^{TM} should be used to provide adequate ventilation in normal usage, see illustration below.

Door buffer

Important See section 4 Command-Centre^{TM} installation, pages 24 to 27.
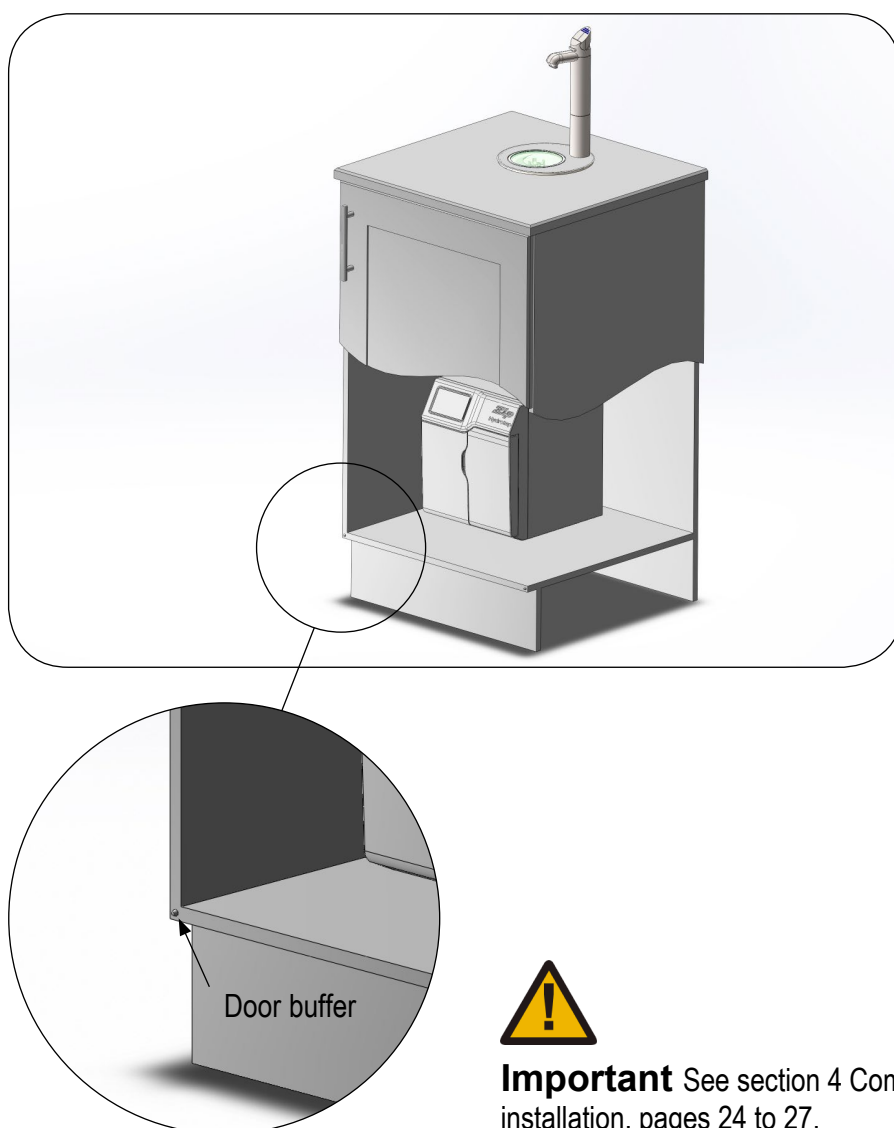
2.3 Alternative arrangement

• For high use applications where the cupboard space temperature is near 35^{0}C or higher, a vent kit (SP91545) can be used to provide further ventilation by convection.

When installing air flow vents , the following tools will be required

• Jigsaw and drill.
• Keyhole or wall board saw.

Note The vent kit has to be installed in a way that allows air to be drawn in from the bottom of the cupboard and expelled through the top of the cupboard. The outlet vent should be towards the top of the door (position **A1**) or side of the cupboard (position **A2**).
(Where possible air inlet vent and the air outlet vent should be positioned at opposite ends of the same cupboard space).
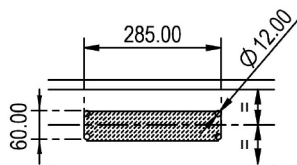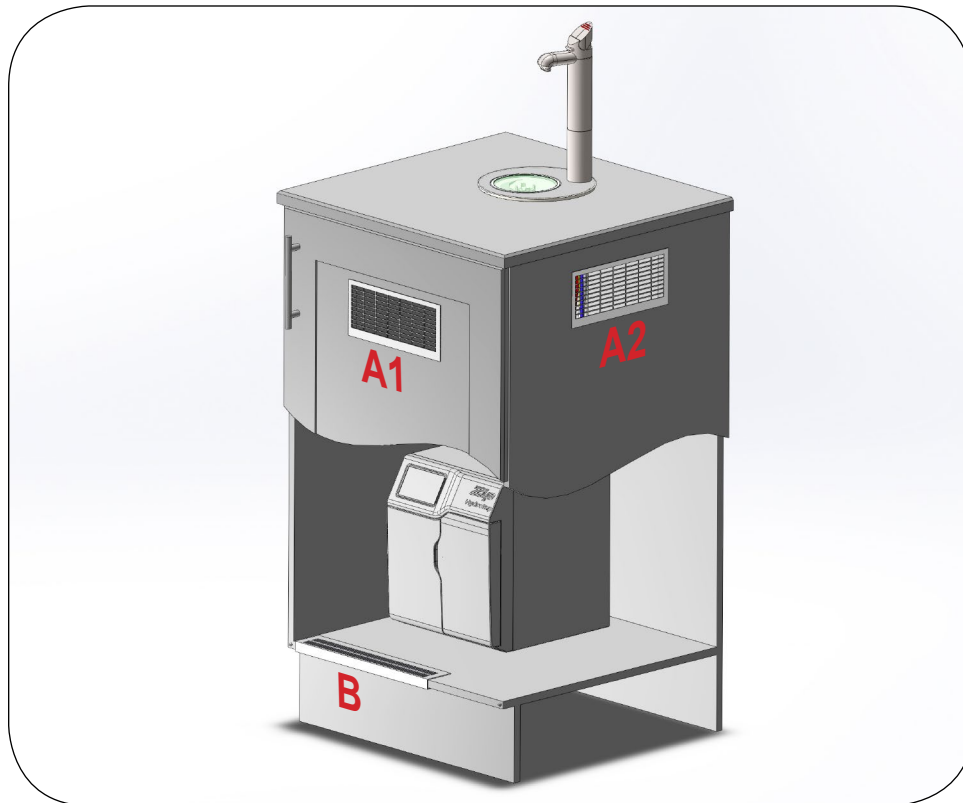
A1 or A2 Air outlet vent   **B Air inlet vent**
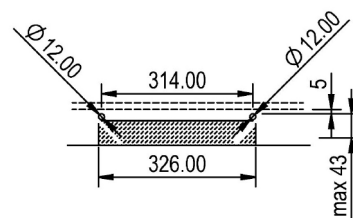
Vent cut-out details

Section 3
Booster system

3.1 Product description

The booster system is a compact electronically controlled auxiliary water heater. It is intended to provide pre-heating of water before it enters the Zip HydroTap®G4 boiling tank. The booster is used to present approx. 55°C hot water for sanitary use to a secondary outlet with additional "Vented Mixer" kit.

Note 1 Water connection
blue cap - water in
red cap - water out.
The braided hoses cannot be lengthened.

Note 2 The electrical cable length is 0.6m.

Note 3 Position the booster within reach of the fixed hose lengths, keeping the booster as close as possible to the Command-Centre™ inlet / outlet connections.

Note 4 Ensure the booster is mounted in an upright position (as shown) with a horizontal base.

Mount base horizontally
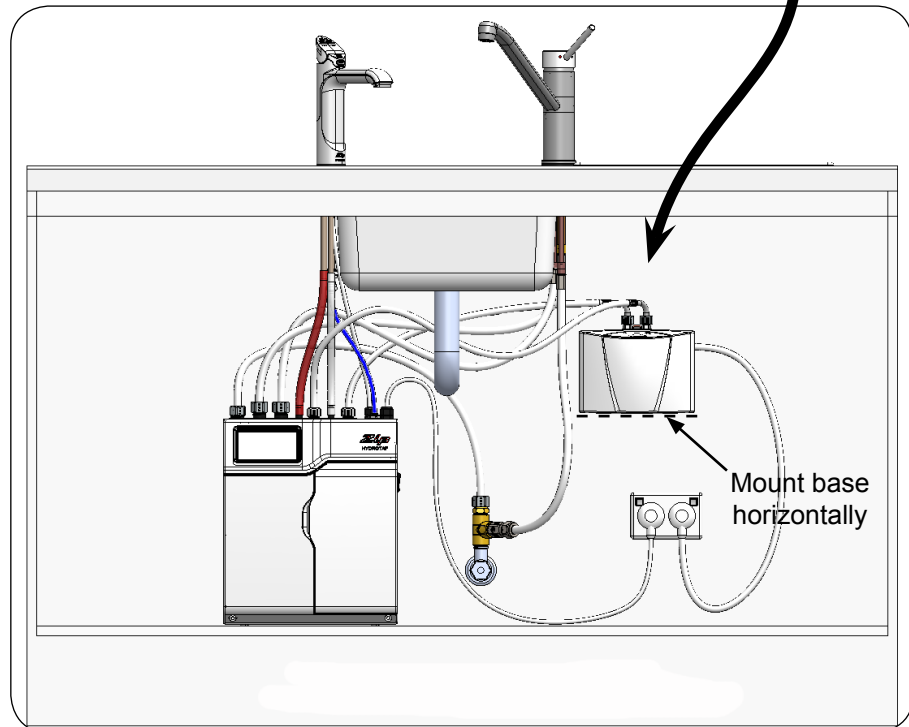
Note 5 Before you install a booster, determine whether an external water filter / softener is required. If an external water filter / softener is required, the external bypass valve must be set correctly, see page 23.

Booster specifications

	Rating	Unit
Nominal power rating	2.2	kW
Nominal current	10	A
Electricity supply 50Hz AC	230	V
Electrical flex, white - 0.6m nom. length	13	A
Fixed flow rate	1.2	L/min

3.2 Installation procedure

Site requirements

- Booster must only be installed in a frost-free area. Never expose booster to frost.

- The booster is designed for wall mounted installation and must be installed with water connectors facing upwards.

- The booster is protected against water ingress to class IP 25.

- The 500mm braided hoses supplied with the booster cannot be lengthened.

- The 90° elbow hose ends should be fitted to the inlet and outlet connections on top of the booster.
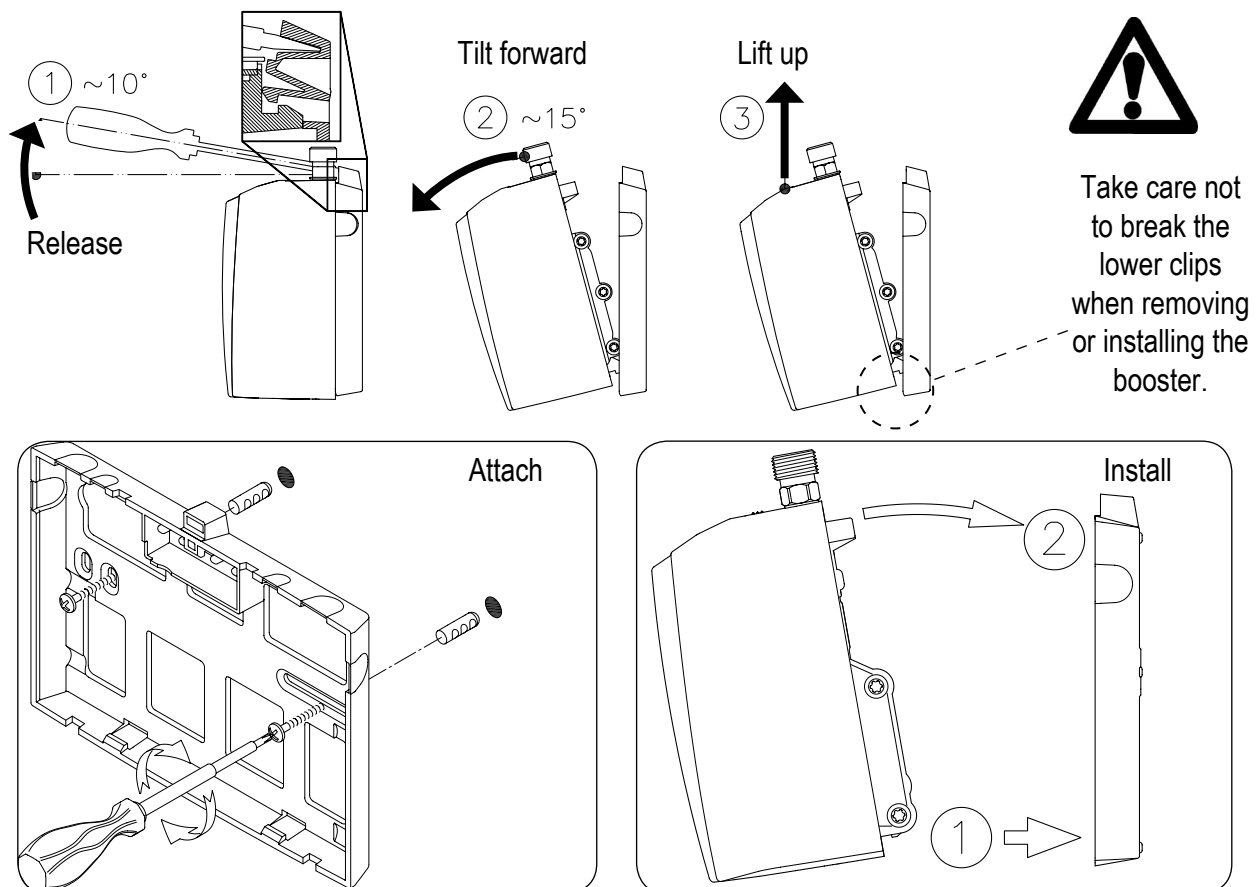
- The hot water outlet hose must be thermally insulated with the insulation provided.

3.3 Booster installation see diagrams below

- To remove the mounting chassis, insert a flat blade screwdriver all the way into the lock.

- Gently angle the screwdriver upwards by approximately 10°.

- Pull the booster forwards by approximately 15°.

- Carefully pull the booster upwards to complete the removal process. Take care not to break the lower clips.

- Attach the mounting chassis horizontally to the wall / cupboard wall.

- To install, clip the booster into the on the mounting chassis and snap into position (see installation below).

Note Remove the wall mounting chassis from the rear of the booster for wall mounting.

① ~10° Release

Tilt forward ② ~15°

Lift up ③

Take care not to break the lower clips when removing or installing the booster.

Attach

Install

②

①

Booster system

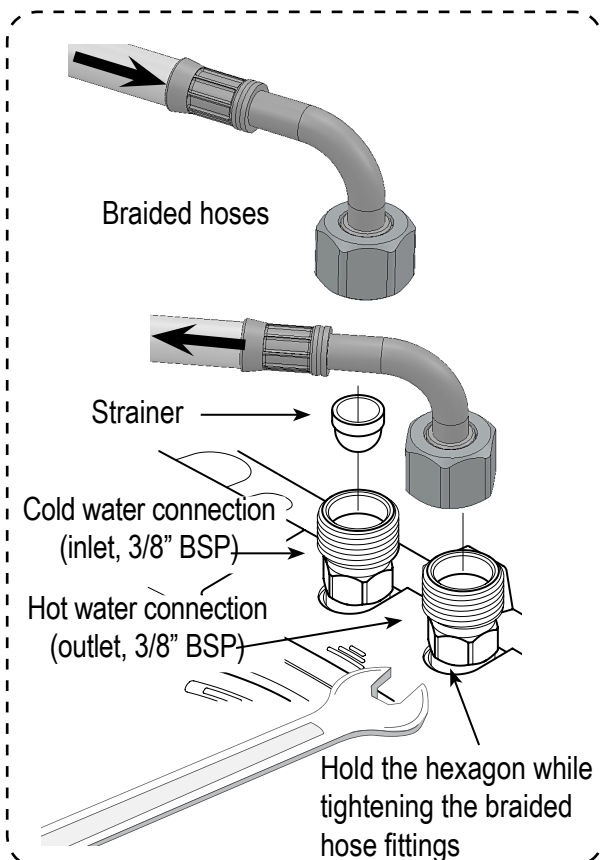**Note 1** This appliance is intended for use with the Zip HydroTap®G4 Command-Centre™

Note 2 Water connections must be pointing vertically upwards.

Note 3 The booster unit should be installed as close as possible to the Zip HydroTap®G4 as the 500mm connection hoses cannot be lengthened.

3.4 Braided hose connections

- The cold water inlet (blue cap) and hot water outlet (red cap) are marked on the rating plate. Connect the braided hoses from the 'BYPASS OUT' fitting on the Command-Centre™ to the water inlet of the booster (blue cap) and from the outlet of the booster (red cap) to the 'BYPASS IN' fitting on the Command-Centre™. Avoid exerting mechanical force on the booster. This can be achieved by using a spanner on the flats of the inlet and outlet connections when tightening the braided hose connectors. Do not over-tighten ! Tighten the braided hoses by hand, then turn a further 90° to 180° with a spanner.

- Once the water connections have been made, check for any leaks and rectify as necessary.

Typical installation

Braided hoses

Strainer

Cold water connection
(inlet, 3/8" BSP)

Hot water connection
(outlet, 3/8" BSP)

Hold the hexagon while tightening the braided hose fittings
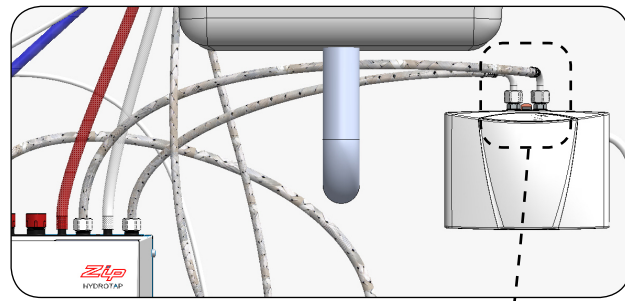
Filter / softener installation

An external filter / softener may be fitted to reduce the incidence of scale build up in the hot tank or may be supplied at the customer's request. (Scale filter head fitting kit order code ZT200G4).

Outlet

Inlet

Filter Label
Part No. FL2300

*Min. 80mm Clearance to cabinet floor.
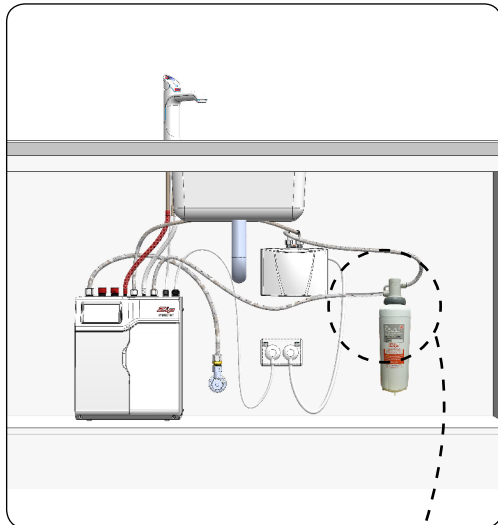
3.5 Mounting the filter head

- Choose a suitable location, (cupboard back or side wall) within the reach of the braided hoses.

- Mount the filter head bracket in an upright position, using the screws supplied in the ZT200G4 kit.

- Ensure there is enough headroom for the filter cartridge to be easily fitted and removed. *Allow a min. 80mm base clearance.

- Attach the hoses as adjacent diagram, noting the flow directions as marked on the filter head.

3.6 Cartridge installation and flush.

- Remove the sanitary cap from the new cartridge and make sure the o-rings are correctly positioned.

- Moisten o-rings with water. Do not use any petroleum products to lubricate the o-rings.

- Install cartridge with a quarter turn anticlockwise until cartridge comes to a complete stop.

- Cartridge installation is complete.

Note The following instructions to flush the filter must be undertaken AFTER commissioning of the complete HydroTap®G4 system, see section 5, Commissioning, page 28.

- Disconnect the braided hose from the filter outlet on the filter head (out arrow) & insert the filter flush pipe (plastic pipe). Direct the pipe into a container of greater than 10 litre capacity.

- Turn the mains water supply on.

- Use the HydroTap®G4 to dispense boiling water. After a short time water will flush through the filter into the container.

- Allow 10 litres of water to flush through.

- Turn the mains water supply off.

- Remove the filter flush pipe (plastic pipe) from the filter outlet, and refit the braided hose from the Command-Centre™.

- Turn the mains water supply on.

- If a booster is fitted, turn the power to the booster off and use the HydroTap®G4 boiling lever to dispense water for 30 seconds, allow the tank to refill.

- Turn the power to the booster on and dispense boiling water for a further 30 seconds.

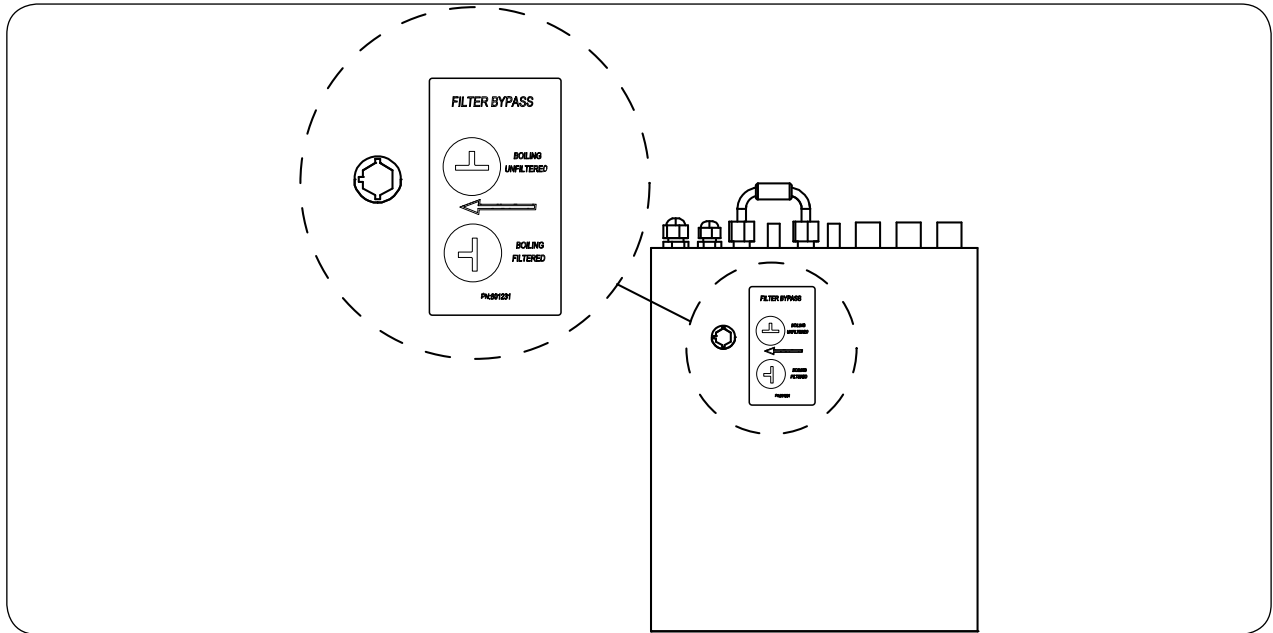- The filter / softener flush is complete.

Section 4
Command-Centre™ installation

4.1 External bypass valve

The diverter bypass valve allows the user to choose to have the boiling feed water bypass the internal filter and only be filtered by the external filtration. This diverter valve is located at the rear panel of the Command-Centre™, see the diagram below.

Check the table below to determine which filter bypass position you need for your product.

If no external filter is installed, select position A	If an external filter is installed, select position B
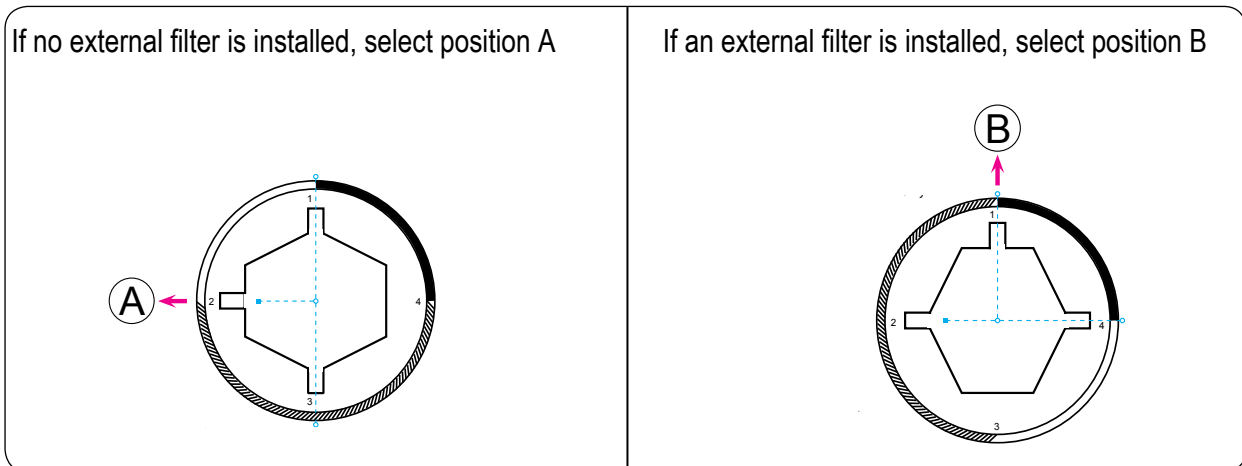
Leave in position **A** until after commissioning (section 5). Select position **B** if scale filter is fitted, before flushing the scale filter as described on page 22.

4.2 Braided hose fitting

Install the mains water braided hoses to the Command-Centre™ before locating in place.

4.3 Hydrotap®G4 boiling models (for Arc / Cube, also refer to the tube kit assembly instructions supplied with the tap head).
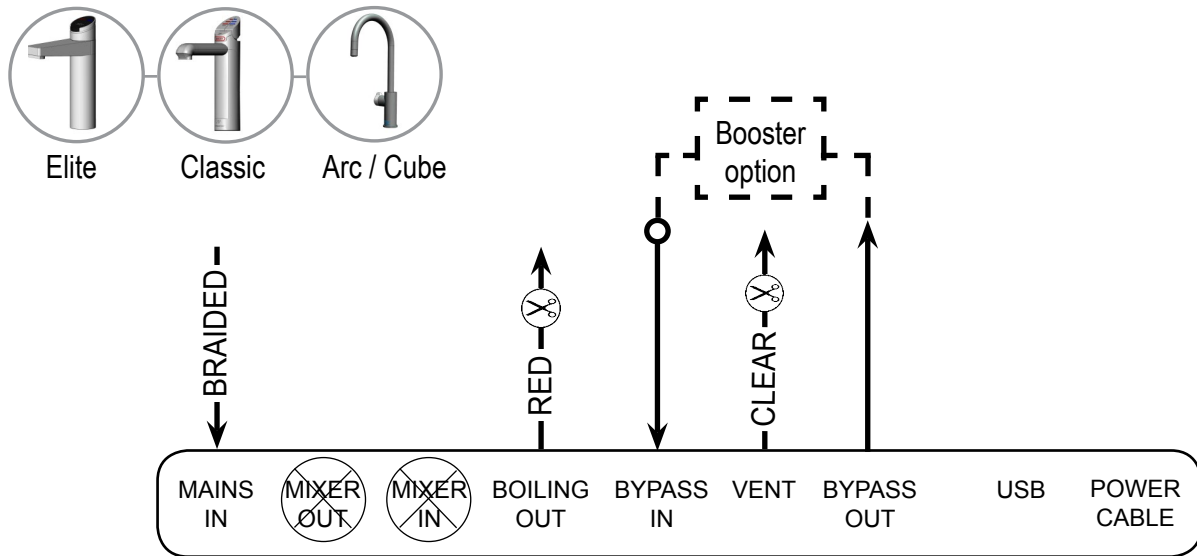
Elite   Classic   Arc / Cube

Booster option

BRAIDED

RED

CLEAR

| MAINS IN | MIXER OUT | MIXER IN | BOILING OUT | BYPASS IN | VENT | BYPASS OUT | USB | POWER CABLE |

Note All silicon tubes / plastic pipes must be cut to size. They must have a constant fall back to the Command-Centre™

Note Ambient mains water braided hose length is 750mm. Electrical power cable length is 1800mm. Position the Command-Centre™ according to the hose and cable lengths supplied.

Clearance envelope

535mm

280mm

50mm   50mm

COLD isolation valve (not supplied)
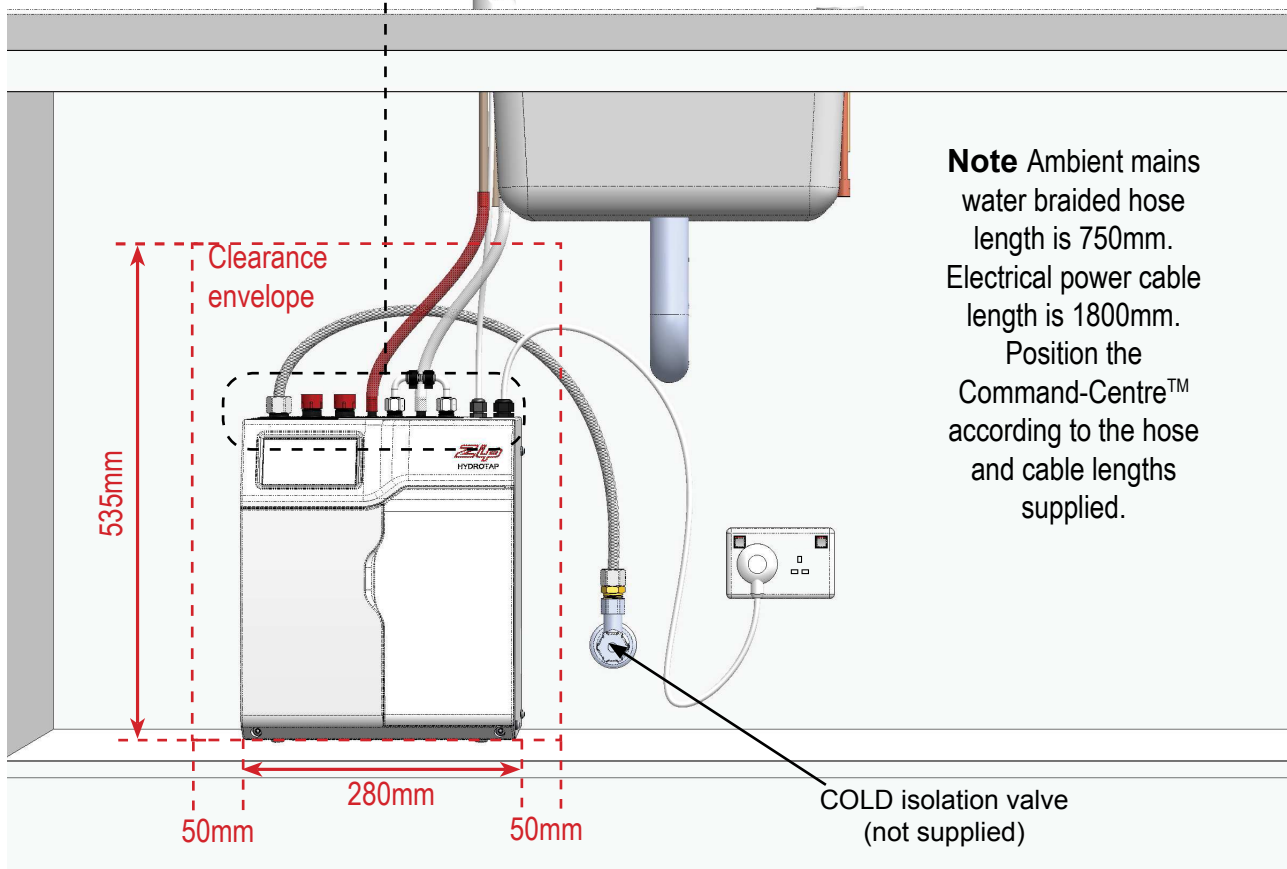
Note The braided hoses and connection tubes supplied with the HydroTap®G4 inc. cold inlet CANNOT be lengthened.

⊘ Not required for standard boiling models.

4.4 Hydrotap®G4 boiling ambient models (for Arc / Cube, also refer to the tube kit assembly instructions supplied with the tap head).

Elite   Classic   Arc / Cube

Booster option

BRAIDED   RED   CLEAR   BLUE

| MAINS IN | MIXER OUT | MIXER IN | BOILING OUT | BYPASS IN | VENT | BYPASS OUT | USB | AMBI-ENT OUT | POWER CABLE |

Note All silicon tubes / plastic pipes must be cut to size. They must have a constant fall back to the Command-Centre™
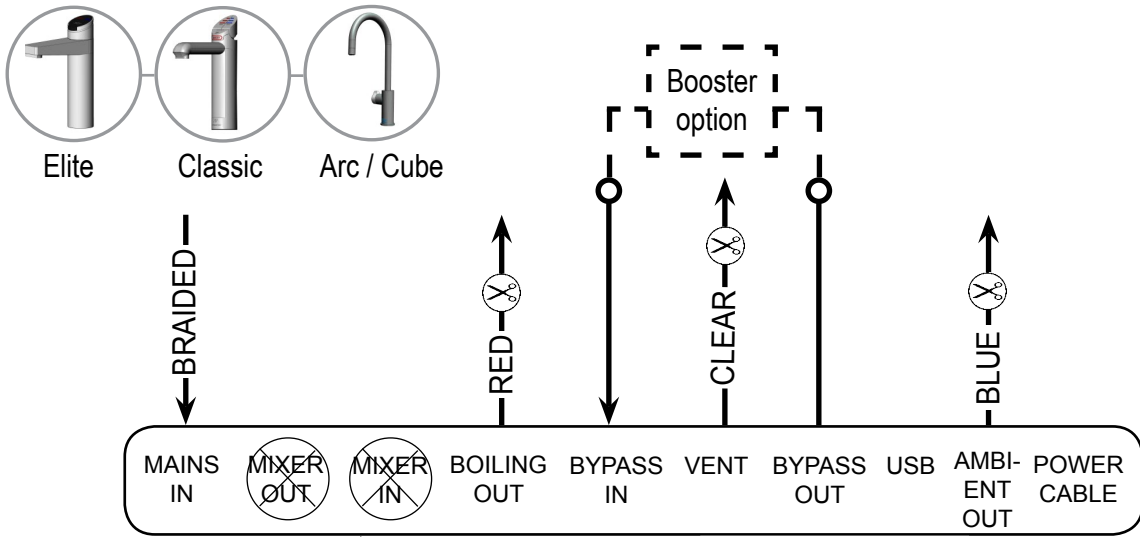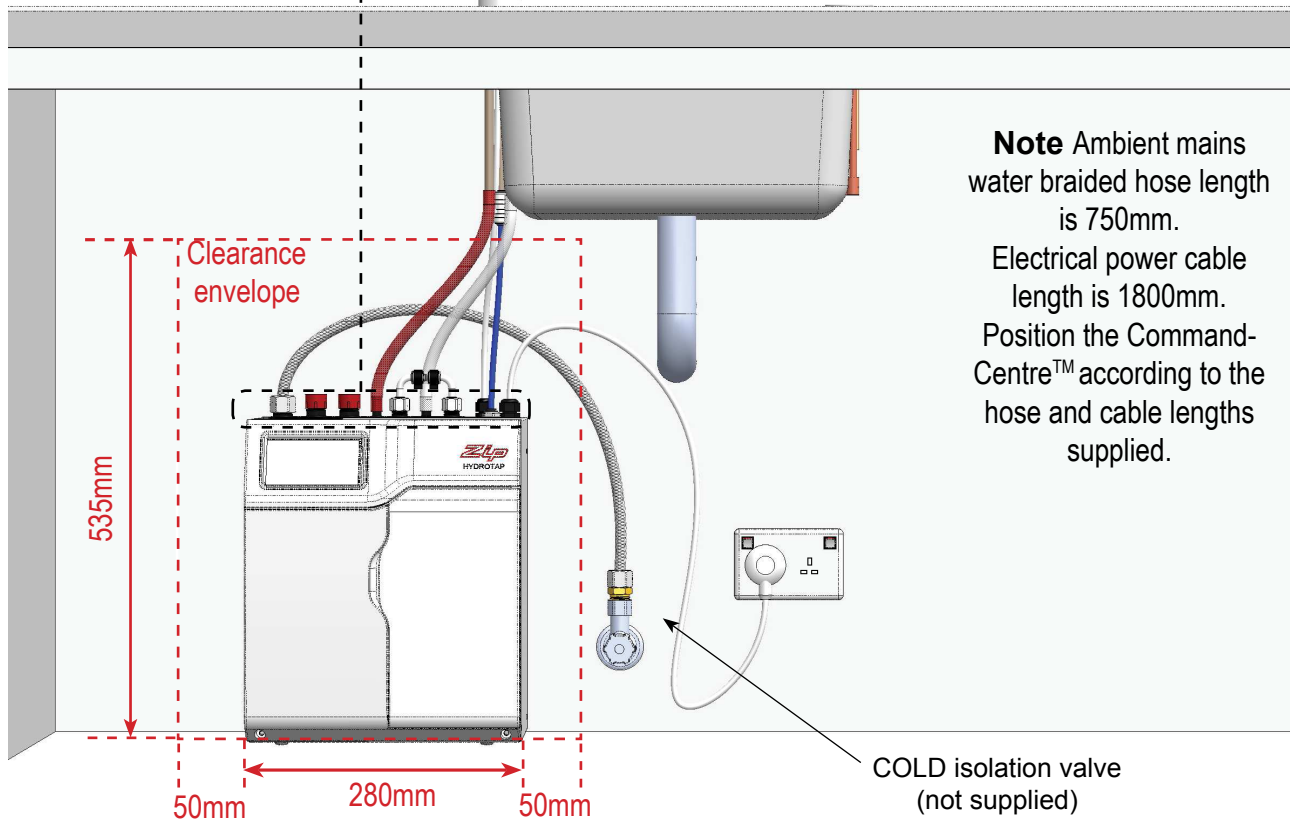
Note Ambient mains water braided hose length is 750mm.
Electrical power cable length is 1800mm.
Position the Command-Centre™ according to the hose and cable lengths supplied.

Clearance envelope

535mm

50mm   280mm   50mm

COLD isolation valve (not supplied)

Note The braided hoses and connection tubes supplied with the tap head assembly and cold inlet CANNOT be lengthened.

⊘ Not required for standard boiling ambient models.

4.5 Hydrotap®G4 boiling and mixer tap combinations (for Arc / Cube, also refer to the tube kit assembly instructions supplied with the tap head).

Elite   Classic   Arc / Cube   Classic   Arc   Cube

HydroTap Mixer Connections

Booster option

BRAIDED

RED ✂

CLEAR ✂

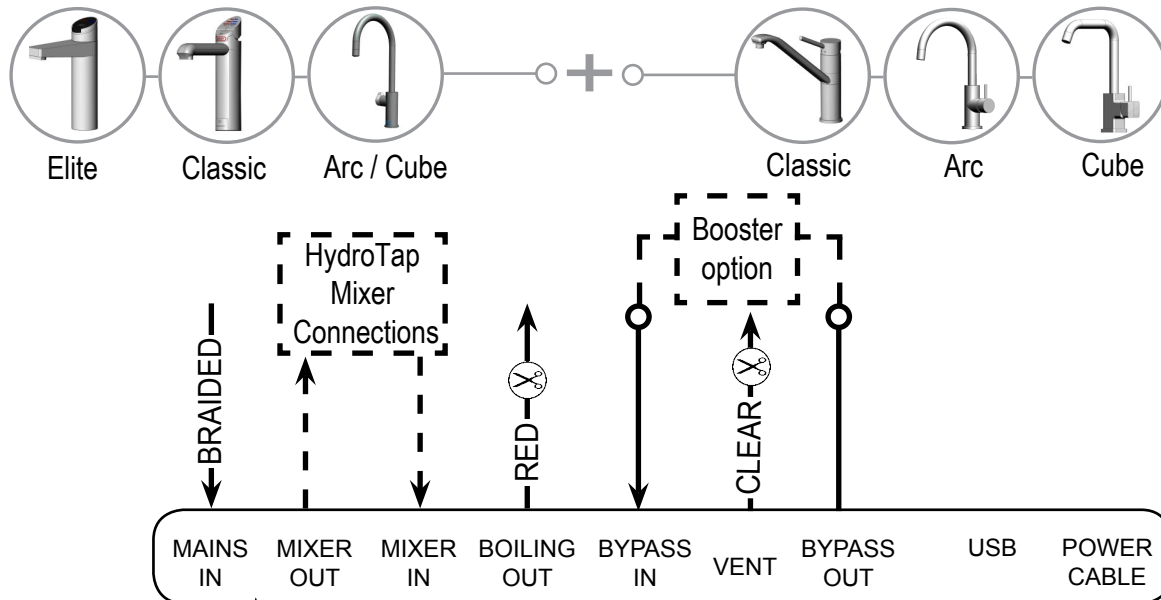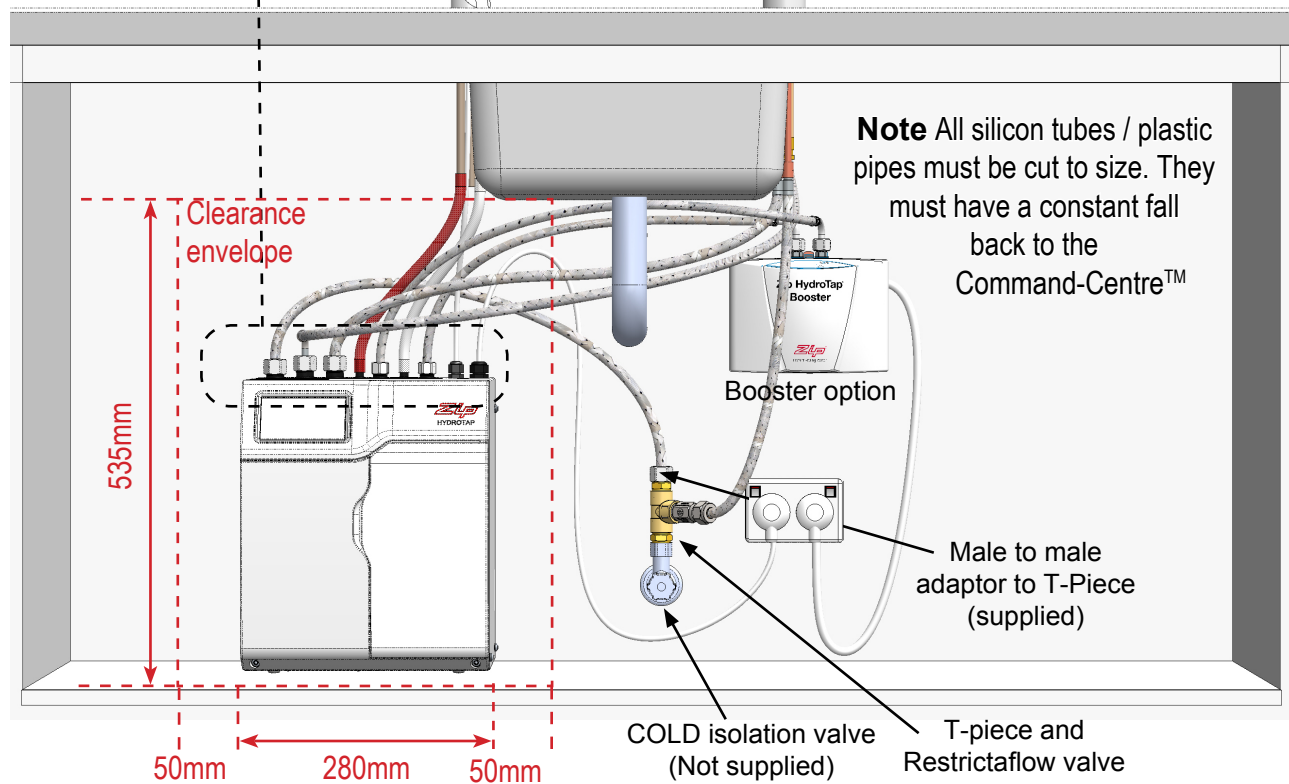| MAINS IN | MIXER OUT | MIXER IN | BOILING OUT | BYPASS IN | VENT | BYPASS OUT | USB | POWER CABLE |

Note Ambient mains water braided hose length is 750mm. Electrical power cable length is 1800mm. Position the Command-Centre™ according to the hose and cable lengths supplied.

Note All silicon tubes / plastic pipes must be cut to size. They must have a constant fall back to the Command-Centre™

Clearance envelope

535mm

Booster option

50mm   280mm   50mm

COLD isolation valve (Not supplied)

T-piece and Restrictaflow valve

Male to male adaptor to T-Piece (supplied)

Note The braided hose and connection tubes supplied with the HydroTap®G4 inc. cold inlet and booster CANNOT be lengthened.

4.6 Hydrotap®G4 boiling ambient and mixer tap combinations (for Arc / Cube, also refer to the tube kit assembly instructions supplied with the tap head).

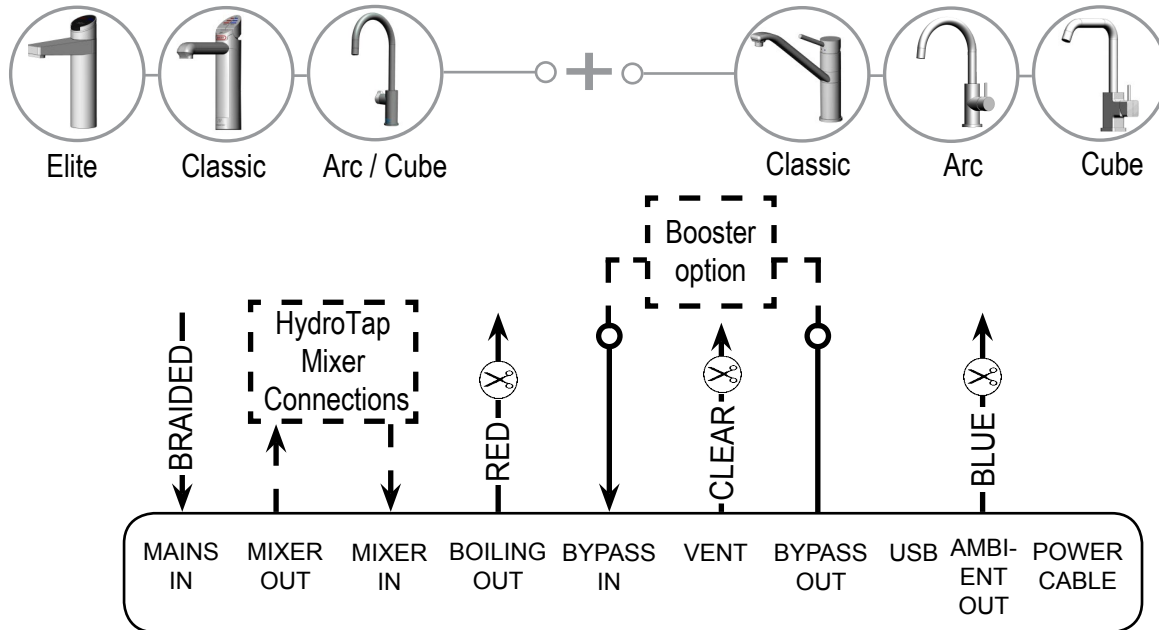Elite   Classic   Arc / Cube   +   Classic   Arc   Cube

Note Ambient mains water braided hose length is 750mm. Electrical power cable length is 1800mm. Position the Command-Centre™ according to the hose and cable lengths supplied.
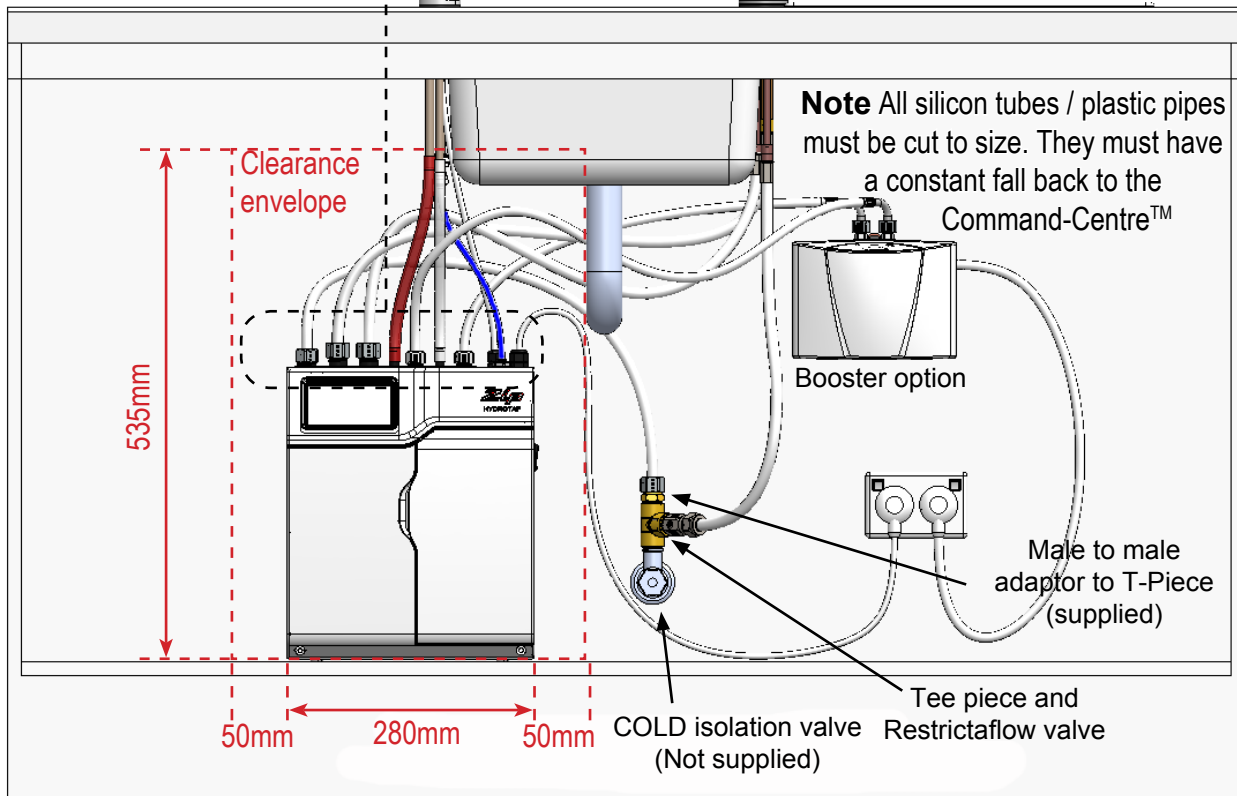
Note All silicon tubes / plastic pipes must be cut to size. They must have a constant fall back to the Command-Centre™

BRAIDED

HydroTap Mixer Connections

RED

CLEAR

BLUE

Booster option

MAINS IN | MIXER OUT | MIXER IN | BOILING OUT | BYPASS IN | VENT | BYPASS OUT | USB | AMBI-ENT OUT | POWER CABLE

Clearance envelope

535mm

50mm   280mm   50mm

Booster option

Male to male adaptor to T-Piece (supplied)

Tee piece and Restrictaflow valve

COLD isolation valve (Not supplied)

Note The braided hoses and connection tubes supplied with the HydroTap®G4 inc. cold inlet and booster CANNOT be lengthened.
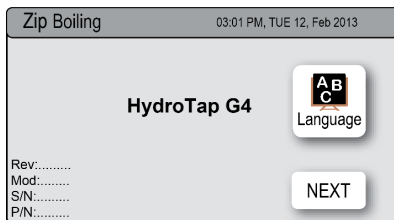
Section 5
Commissioning

The HydroTap®G4 is now ready to be commissioned.

- Turn the power and water on and check for any leaks.

- If fitted, ensure the booster is turned off. (The booster is commissioned later, see page 29).

- Familiarise yourself with the operation of the tap, in preparation for use, see the user guide.

- Follow the installation instructions below (and read section C of the user guide).

- After commissioning, the system may be customised by selecting further options in section G - settings of the user guide.

5.1 Select the language

Initial commissioning screen


Language selection screen
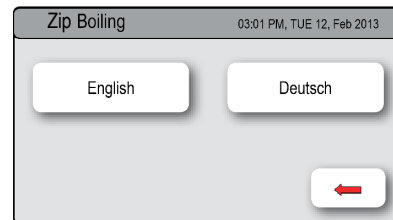
5.2 Filter flush

Have a bucket or similar container (not supplied) at the ready to hold a quantity of water that will be ejected while the filter flush mode is in operation. Open the filter access door on the front of the HydroTap®G4 and the filter cartridge will be exposed. Located to the rear right hand side of the cartridge is a flush line, approx 600mm long and the flush line stop cock. Place the free end of the flush line into the bucket or container (not supplied). **Note** at first commissioning, the system will select the filter flush screen automatically.
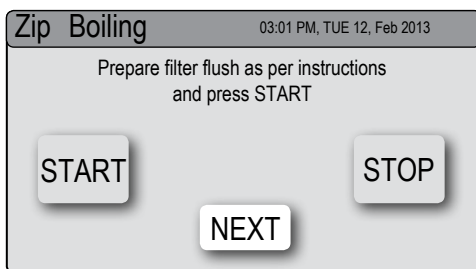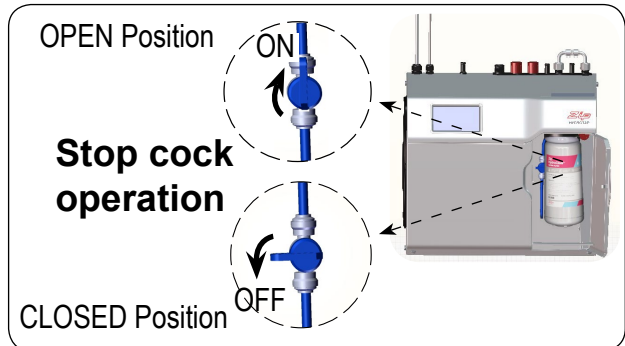
- Press [START] / [STOP] button to start and stop the filter flush.

- Turn the flush stop cock on.

- Allow at least 10 litres of water to flush through the filter.

- Once the filter flush is finished, Turn the stop cock off then press [STOP] to end filter flush mode.

- Press [NEXT] for the flow calibration screen

5.3 Flow calibration

- Press the [START] button and the tank will first empty then fill. Upon completion the pulse count will be displayed. Check the value is within limits.
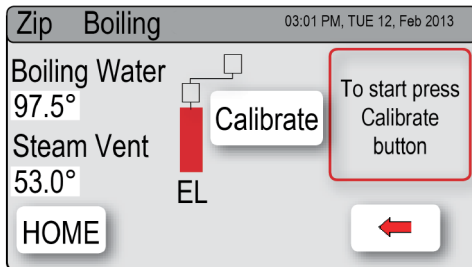
- Press [NEXT] for the boiling calibration screen.
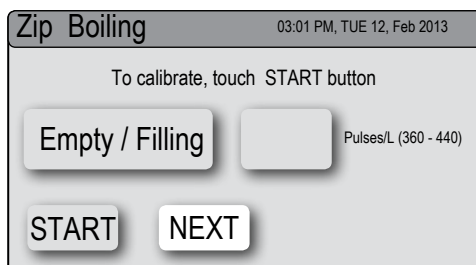
Note for any subsequent filter changes or any operational procedures, please refer to the HydroTap®G4 user guide, located inside the filter housing access door.
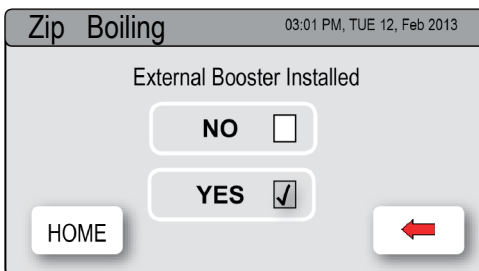
5.4 Boiling calibration (boiling models)

```
Zip   Boiling                    03:01 PM, TUE 12, Feb 2013

Boiling Water
97.5°                 Calibrate    To start press
                                   Calibrate
Steam Vent                         button
53.0°           EL

HOME                                   ←
```

- Press the [Calibrate] button and the system will start the boiling calibration procedure. This will take approx. 5 to 6 minutes.

5.5 To enable a booster, when installed.

```
Zip   Boiling                    03:01 PM, TUE 12, Feb 2013

            External Booster Installed

                   NO    ☐

                   YES   ☑
HOME                                   ←
```

- Press the [MENU] button for main menu.
- Press the [Install] button.
- Press the [Boost] button.
- In the next screen, select [YES] to enable the booster.
- Before connecting the power to the booster, water must be run through for a min. of 30 seconds to purge. Run the boiling tap for 30 seconds and the allow the tank to refill.
- Dispense boiling water for 30 seconds and check the booster outlet hose is warm when the boiling water tank is replenishing.

Note For any subsequent filter changes or any operational procedures, please refer to the user guide, located inside the filter housing access door.

Note Depending on your location you may need to reset the internal clock. See section G of the user guide to reset the date and time.

5.6 Safety sensor calibration (Classic models)

Light intensity varies from site to site, therefore it is recommended that a re-calibration be performed at the time of the installation.

All direct sunlight must be shaded from the HydroTap®G4, during the calibration. This can be achieved by closing any nearby curtains, blinds, etc.

Procedure

- Shield the HydroTap®G4 from direct sunlight.
- In normal operating mode. Turn the power off.
- Pull both tap levers to the forward position.
- Turn the power on.
- The safety sensor will calibrate.
- Return the levers to the neutral position.

Pull both levers forward

Safety sensor
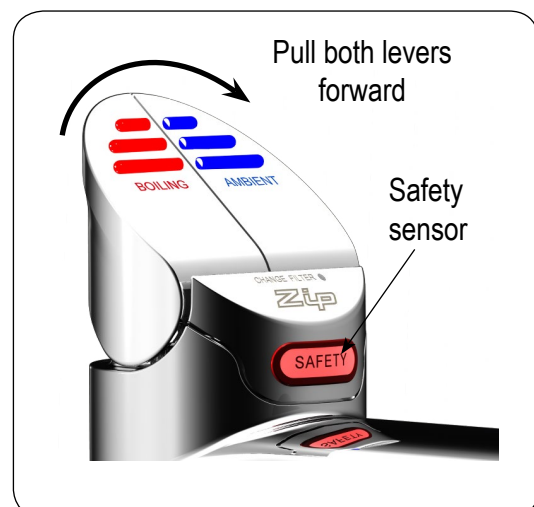
Trouble shooting

System fault message	Possible cause	Solutions
Power Board Fault	Electrical disruption	Check power supply and all fuses
Interface Fault	Internal fault	Call Zip Service
Level Board Fault	Internal fault	Call Zip Service
Water leak, Isolate Mains	Water leak	Turn off mains water supply / call for service
Water Supply Failure	No water	Check water supply is turned ON
Hot Sensor Open	Internal fault	Call Zip Service
Hot Sensor Closed	Internal fault	Call Zip Service
Flood Sensor Open	Internal fault	Call Zip Service
Heater Fuse / Driver Fault	Internal fault	Call Zip Service
Heater Driver Fault	No hot water	Call Zip Service
Hot Sensor Degraded	Internal fault	Call Zip Service
A DC Pump is faulty	Internal fault	Call Zip Service
Steam too Cool	Internal fault	Call Zip Service
Steam Sensor Open	Internal fault	Call Zip Service
Steam Sensor Closed	Internal fault	Call Zip Service
Over Steamed	Internal fault	Call Zip Service
Hot Tank Over filled	Internal fault	Call Zip Service
Hot Tank Under filled	Low water pressure	Check water supply
Boil Dry Protection	Safety activated	Turn OFF/ON power to reset
Flash Memory corrupted	Internal fault	Call Zip Service
Flow Sensor Fault	Internal fault	Call Zip Service

Call an electrician, a plumber, or Zip on 0845 6 005 005 or 0345 6 005 005 for assistance, service, spare parts or enquiries.

End of life disposal

The use of this crossed out wheeled bin logo indicates that this product needs to be disposed of separately to any other household waste.

Within each of the European Union member countries, provisions have been made for collection and recycling of unwanted electrical and electronic equipment. In order to help preserve our environment we ask that you dispose of this product correctly. Please contact Zip Customer Service on 0845 6 005 005 or 0345 6 005 005 for advice.

Warranty

Certain warranties may be implied by law into your contract with Zip. The warranty provided below is additional to these implied warranties and nothing set out below shall limit your statutory rights or rights at law. Zip Heaters (UK) warrants that, should the hot tank fail within five years of installation subject to satisfactory maintenance and registration of the product, or any part fail within two years of installation, the part will be repaired or replaced free of charge by Zip, its distributor or service provider, (except as set out below), provided the appliance is installed and used strictly in accordance with the instructions supplied, and that failure is not due to accident, misuse, abuse, unsuitable water conditions, or to any alteration, modification or repair by any party not expressly nominated by Zip.

No costs are payable by the customer other than any mileage or travelling-time charges incurred by a Zip service provider or the cost of removal, cartage and re-installation of any component of the appliance if it needs to be returned for repair to Zip or its distributor.

This warranty does not cover damage resulting from non-operation of the appliance, the use of non authorised parts or consequential damage to any other goods, furnishings or property.

No warranty applies to the life of any filtration cartridge installed with the appliance as cartridge life may vary according to water quality and the rate of water consumption.

Zip does not exclude, restrict or modify any liability that cannot be excluded, restricted or modified or which cannot, except to a limited extent, be excluded, restricted or modified as between the owner or user and Zip under the laws applicable.

Furthermore this warranty does not displace any statutory warranty, but, to the extent to which Zip is entitled to do so, the liability of Zip under any statutory warranty will be limited at Zip's option to the replacement of the appliance or supply of equivalent appliance, the payment of the cost of replacing the appliance or acquiring an equivalent appliance, or the payment of the cost of having the appliance repaired or the repair of the appliance.

HydroTap®G4 residential models are designed specifically for use in a domestic environment and inappropriate installations such as in a commercial location will invalidate the warranty.

Registering your purchase.

Registering your Zip installation on the Zip website may help to establish date of installation should it become necessary to service the appliance under terms of the Zip warranty. To register your installation go to www.zipheaters.co.uk and look under the heading "Warranty".

Contact Details

$C \, \epsilon$

Zip®
Instant Boiling Water