Installation instructions

Zip HydroTap

It's water. Refreshed.

The Worlds most advanced Drinking Water Appliance

Model :

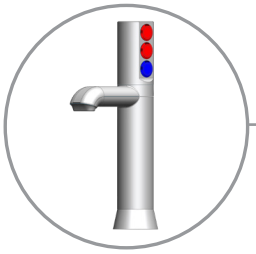
IS & IT Industrial

VENTILATION IS ESSENTIAL

READ SECTION 1 'VENTILATION' BEFORE YOU START

Tap options

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



3 button side touch

2 button top touch

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

Command-Centre

Boiling chilled Command-Centre for industrial models

Table of contents

HydroTap G4 specifications

Installation instructions

Trouble shooting

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 wholesome 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 for water tightness.
- 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 6)

- Flush the supply line before connecting.
- Turn on the water and check for leaks.
- Flush the filter(s).
- Activate / enable the booster (if fitted).
- 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 0345 6 005 005.

What is the Zip HydroTap G4 ?

This Zip HydroTap G4 is an electronically controlled, filtered, boiling and chilled water drinking system for the industrial environment. 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 industrial applications. The HydroTap G4 utilises a conventional refrigerant compressor to chill the water and an immersion heating element to boil the water. The boiling and chilled models will dispense boiling water (factory set to 98°C) chilled water (factory set to 5-9°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.

Legacy mode

The Industrial series of taps require the G4 Command-Centre to be set in legacy mode prior to initial operation. (See section 6 for details).

Legacy mode is enabled / disabled in the service section of the main menu. Please note this is password protected. Please call 0345 6 005 005 for details.

Command Centre

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.

Refrigerant

The Zip HydroTap G4 Command Centre contains R134A refrigerant under pressure. Maintenance of the refrigeration unit must be carried out by an accredited service provider or qualified refrigeration technician.

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 droplets may discharge through a vent outlet on the tap. If the tap is not installed using the font, 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 weight 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 1 'Ventilation', page 13, for correct installation to prevent overheating. The vent kit supplied must be fitted.

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.

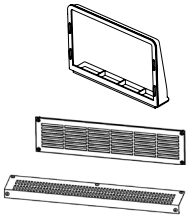
Positioning

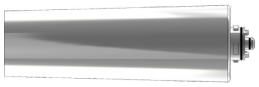
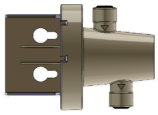
It is important to ensure the Command Centre is positioned in an accessible area close to the floor level. The Command Centre must have its base mounted in a horizontal position with all inlets and outlets facing up. The tap must be located above the Command Centre. See Section 5, Command Centre installation.

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 (supply frequency dependant upon model purchased).
- 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 reserves the right to change details mentioned in this manual, without notice.
- Visit www.zipwater.co.uk to ensure you have the latest copy of this document.

Major components and accessories

Parts supplied	Description
Tap options*	
	Side touch 3 button
	Top touch 2 button
Command Centre and components	
	Duct kit 1 x Exhaust duct 1 x Mounting plate 2 x Outlet vent 1 x Inlet vent
	1 x Command Centre with air and water filters
	1 x Mains water connection hose
	1 x Booster inc. connection hoses (supplied with 240 models)
	1 x User guide and 1 x Quick start guide 1 x Installation instruction

Accessories	Description
	Booster (inc. connection hoses)
	Scale, taste & odour filter
	Scale filter installation kit (Filter not included).
	Font, Integrated
	Replacement internal 0.2 micron filter
	Recommended water block

For Accessories contact Zip:
Tel 0345 6 005 005
Website: www.zipwater.co.uk
Email: sales@zipindustries.co.uk

*Dependant on model purchased

Industrial boiling chilled HydroTap G4 range

Industrial HydroTaps

Three button side touch

Two button top touch

Boiling, chilled and filtered.

Specifications

Capacity Boiling (cups 167ml/hr)	Capacity Chilled (glasses 200ml/hr)	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, chilled and filtered, without booster							
160	175	no	1x13A	2.20	N/A	450 x 470 x 335	28
Boiling, chilled and filtered, with booster							
240	175	yes	2x13A	2.20	2.20	450 x 470 x 335	28

**Add an extra 5-8 kg when full of water.

Water supply pressure requirements

Component	Min. / Max. water supply pressure MPa (bar) (in an Hydrotap system)
HydroTap	0.17 (1.7) - 0.5 (5.0)
Booster	0.20 (2.0) - 0.5 (5.0)
Scale filter	0.20 (2.0) - 0.5 (5.0)

Note Chilled water will continue to be dispensed after the rated capacity has been used, although this may affect the dispense temperature.

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 3-8kg 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 page 16 for installation instructions.
- For Zip HydroTap G4 models without booster, 1 x user easy accessible 220-240V AC 13A socket will be required.
  For Zip HydroTap G4 models with booster, 2 x user easy accessible 220-240V AC 13A sockets will be required.
  (One socket is for the Command Centre and the other for the booster).
- Both the Command Centre and booster must be installed in accordance with IEE regulations, See Technical specification, page 9 for power ratings.

Note Check all cable and hose lengths against inlet /outlet positions before proceeding (see section 5 for general layout).

- A wholesome water (cat1) supply connection with a minimum working pressure of: (see page 9 min. / max. water supply pressure) 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 external filtration or a lime-scale protection filter is required, then it is important to allow extra space for it.
- If pressure is likely to exceed 0.5 MPa (5 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

1.1 Generic requirements

Special tools required

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

For the industrial HydroTap G4.

- 35mm diameter sheet metal hole punch for sinks (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

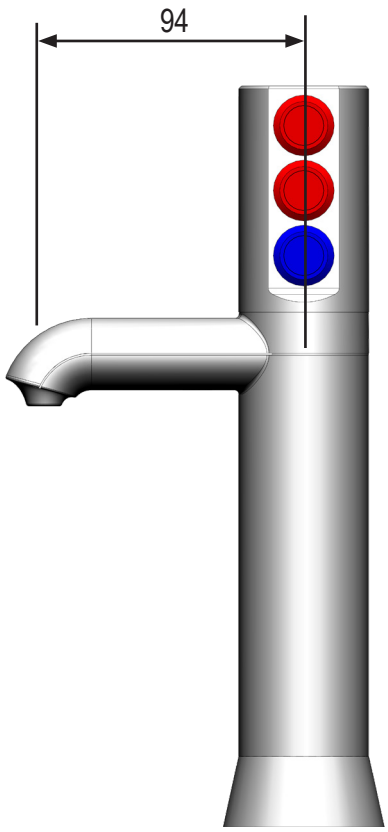
- 108mm diameter sheet metal punch or hole saw to suit surface being cut.

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)
Top touch tap	74
Side touch tap	94

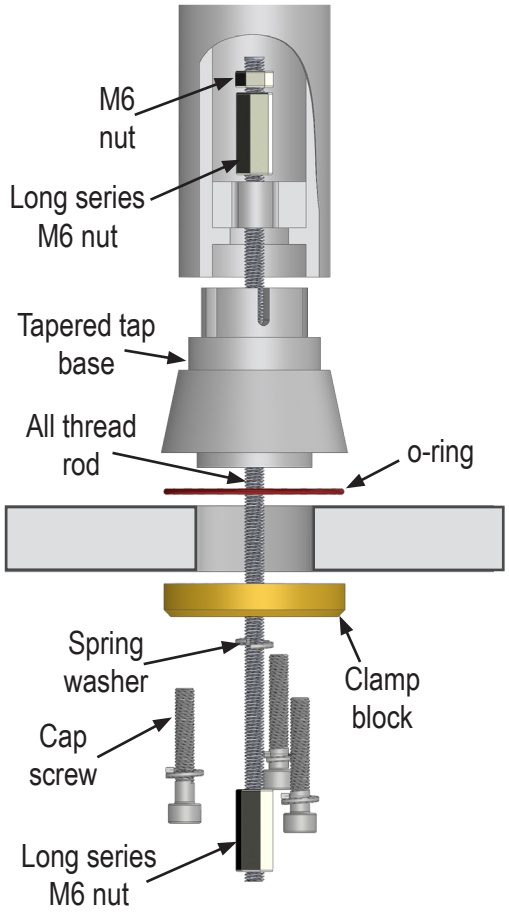


Industrial side touch HydroTap G4

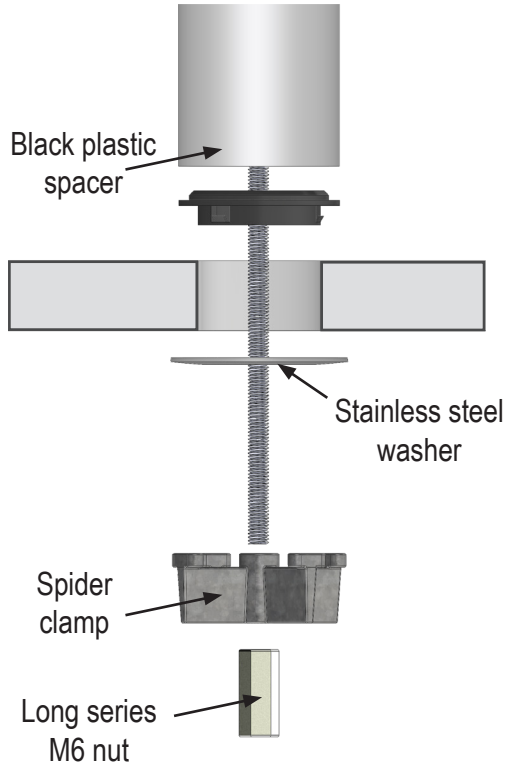
Note All images are for illustrative purposes, to aid understanding of the system configuration, and are not prescriptive of tap positioning.

- Ensure that the taps are mounted to minimise the risk of scalding.
- Ensure that the taps are mounted in a position that allows the water to safely drain to waste.

1.2 Side touch taps



1.3 Top touch taps



- Make sure the tap location will allow the nozzle to drain into the sink. **Note** The top touch tap spout is 20mm shorter than the side touch spout.
- For side touch taps, use the template supplied to correctly locate the Ø35mm hole in the sink / worktop. After cutting the Ø35mm hole, carefully align the template and drill the 3 x Ø6.5mm clearance holes, in the correct orientation for either left or right hand operation. Refer to table of recommended maximum and minimum thickness of worktop, based on the length of the cap screws being used.
- A light smear of silicon sealant on the O-ring seal (side touch), or on the black plastic spacer (top touch) will ensure a watertight fit.
- Place the tap (and if applicable tapered base assembly) into the Ø35mm hole so that all the seals are in place and ensure the tubes and USB cable are not fouled.

Side touch taps

- Working from the underside of the bench, install the clamp block (noting the position of the orientation marker). Feed the three tubes and USB cable through each of their respective holes. Slide the clamp block up and secure with the M6 long series nut on the threaded rod.
- Fit the 3 x M6 cap screws and spring washers,through the clamp block and bolt them into the tapered base. Check the tap head position before securing it tightly against the work top.

Top touch taps

- Install the stainless steel washer and spider, and secure with the M6 nut as shown.

Note The tap assembly must not be positioned more than 900mm above the base of the Command-Centre. Failure to do this may result in poor water delivery.

Note Under no circumstances should the top touch tap be twisted after the installation is complete.

Note The M6 x 35 cap screws supplied with the side touch tap are suitable for installation on worktops with a thickness between 14 and 18mm. For worktops outside this range with a thickness ‘T’, M6 cap screws with a length between 'T'+17 and 'T'+22mm should be used, as per the table below.

Table of recommended max. and min. thickness (T) of worktop

Cap screw	'T' Max.	'T' Min.	Remark
M6 x 35	18mm	14mm	Supplied with tap
M6 x 30	13mm	8mm	Not supplied
M6 x 40	24mm	19mm	Not supplied

Section 2
Ventilation

2.1 Generic requirements

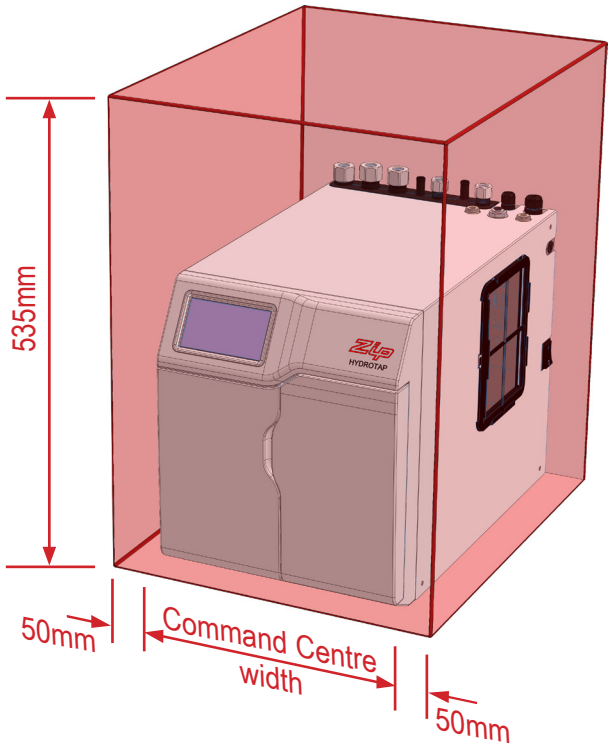
Important Read this section in conjunction with section 5 Command Centre installation, page 26.

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

- Jigsaw and drill or equivalent equipment.
- Keyhole or wall board saw.

Clearance envelope

- A clearance envelope around all Command Centres must be provided to allow adequate ventilation for the safe and effective use of the HydroTap G4 system.



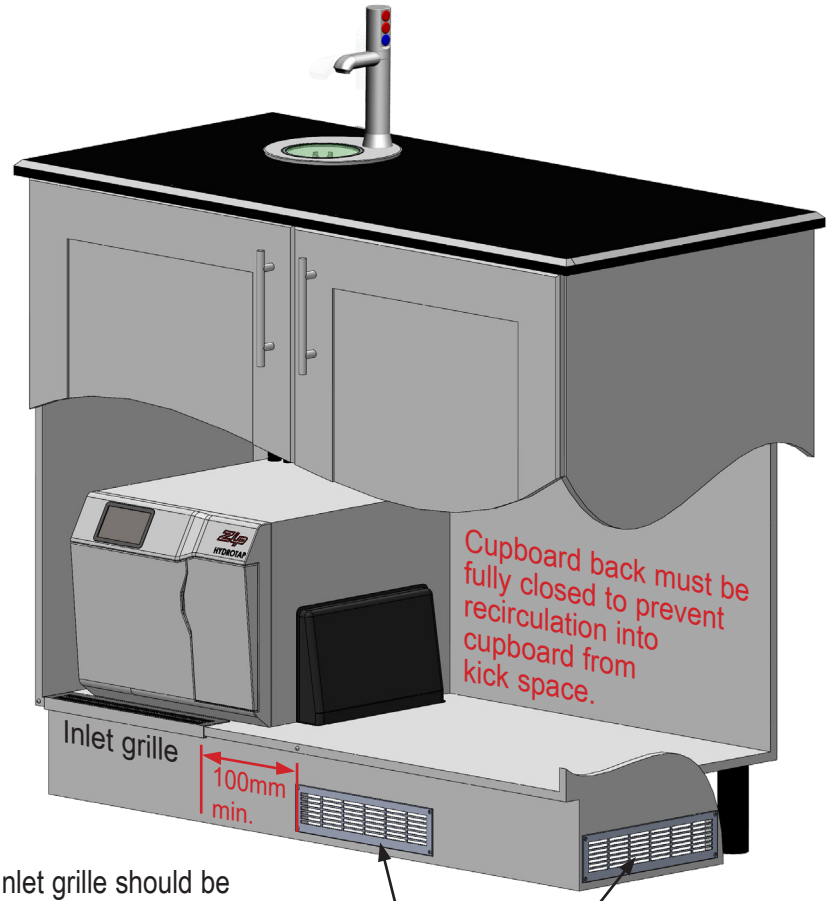
2.2 BC Commercial Command Centres

2.3 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 temperature doesn't exceed 35^{0}C.

2.4 Preferred ventilation arrangement shown below.

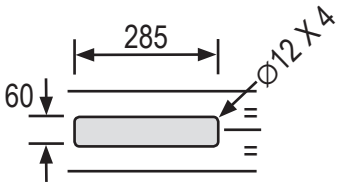
The ducted vent kit supplied with the Command Centre exhausting through the kick-space should be used, to provide adequate ventilation in all conditions. (Ancillary components are not shown in these diagrams).



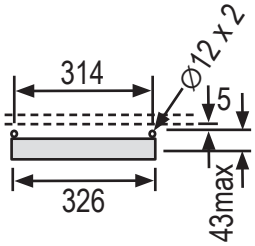
Inlet grille should be fitted in baseboard

Position vent grille on either the kick board or the cupboard ends

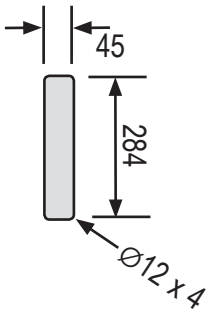
Vent cut-out details



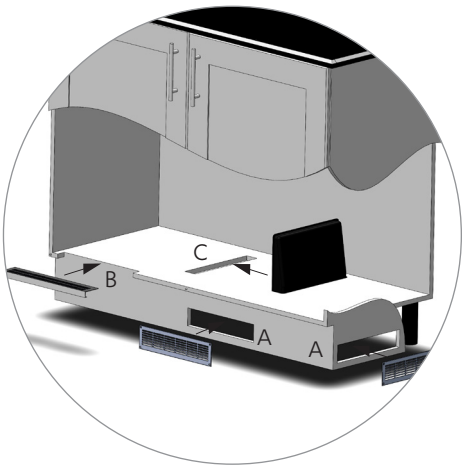
A Air outlet vent
(flat vent)



B Air inlet vent



C Ducted vent



Important See section 5 Command-Centre installation, page 26

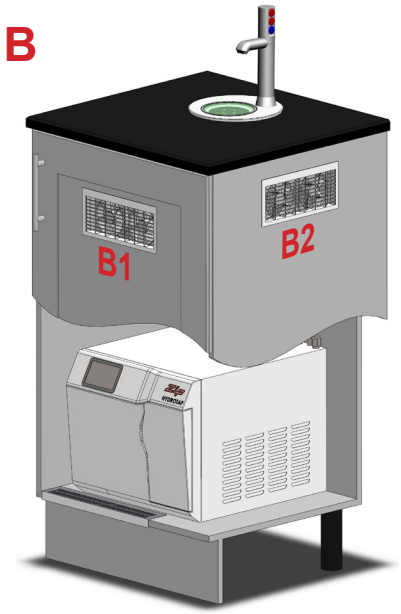
2.5 Alternative arrangement (Dual fan kit)

In situations where the preferred arrangement cannot be used or will not work effectively e.g.

- Single cupboard where the 100mm grille spacing cannot be achieved.
- Where there are openings in the back of the cupboard allowing exhaust air to recirculate into the cupboard space.

An SP93156 Dual exhaust fan kit* must be fitted in either arrangement A or B shown below and connected to the DIN socket on the Command-Centre .

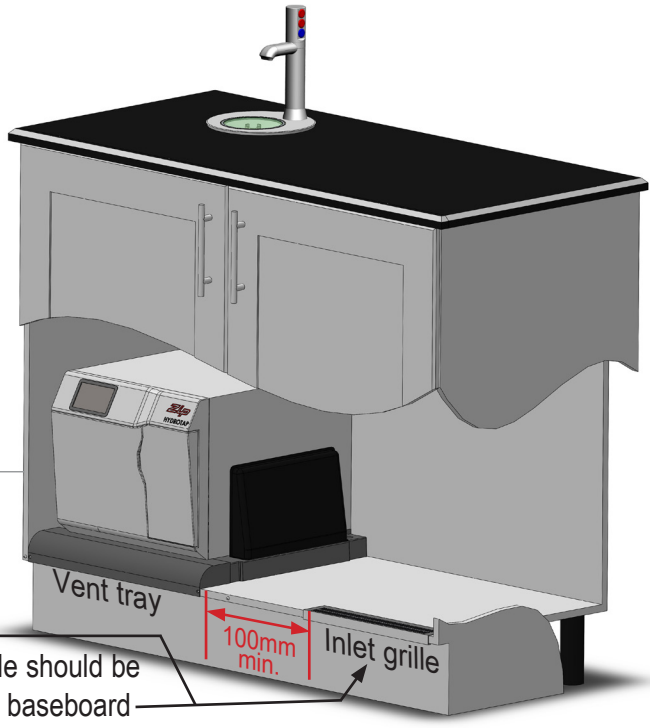
A Fan kit fitted to kick board and with kick space duct fitted to the Command-Centre.
B Fan kit fitted to cupboard door (position **B1**) or side (position **B2**) and without kick space duct fitted to the Command-Centre. *For dual exhaust fan cut-out dimensions see the instructions provided with the kit.

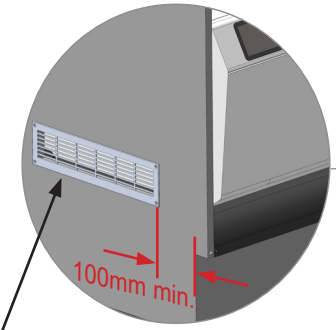


2.6 Alternative arrangement (Vent tray)

In situations where cupboard width is 1000mm or greater, without central pillar and where vent grilles cannot be fitted in the kick board (e.g. hospitals).

- Use the Vent tray kit.
- The flat vent grille, supplied should be used as an inlet vent and fitted to the cabinet side (adjacent to the Command-Centre air inlet) or angled inlet grille fitted in baseboard, if 100 mm separation from Vent tray exhaust can be achieved.





Position a vent grille in the cupboard end or inlet grille on the baseboard

Section 3
Booster system

3.1 Product description

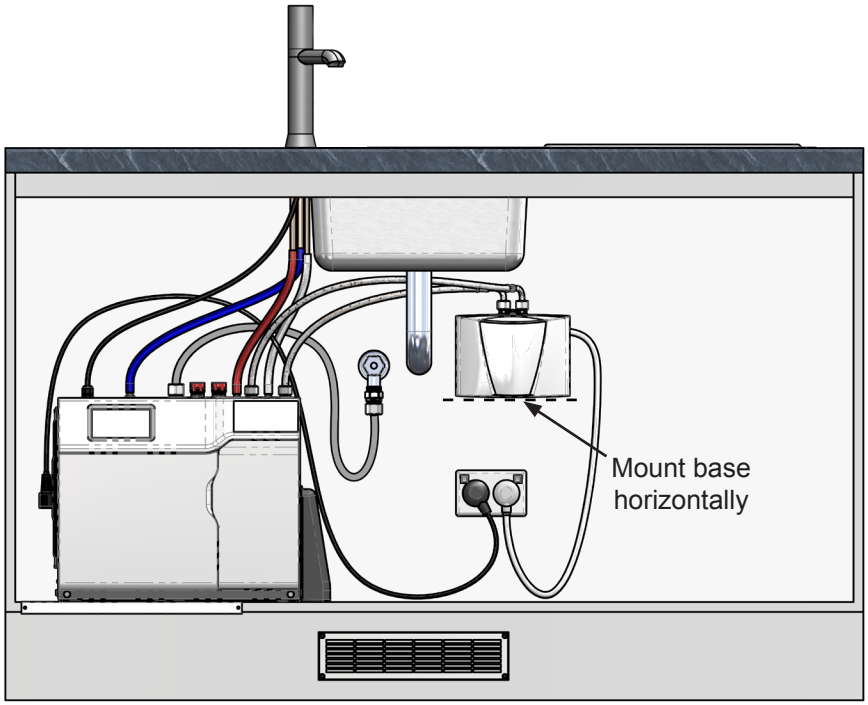
The booster system is a compact electronically controlled auxiliary water heater. It is intended to provide pre-heating of water before it enters the Zip HydroTap G4 boiling tank. If the booster is used the boiling water output will be increased.

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.



Note 5 Before you install a booster, determine whether an external water filter is required. If an external water filter is required, the external bypass valve must be set correctly, see page 27.

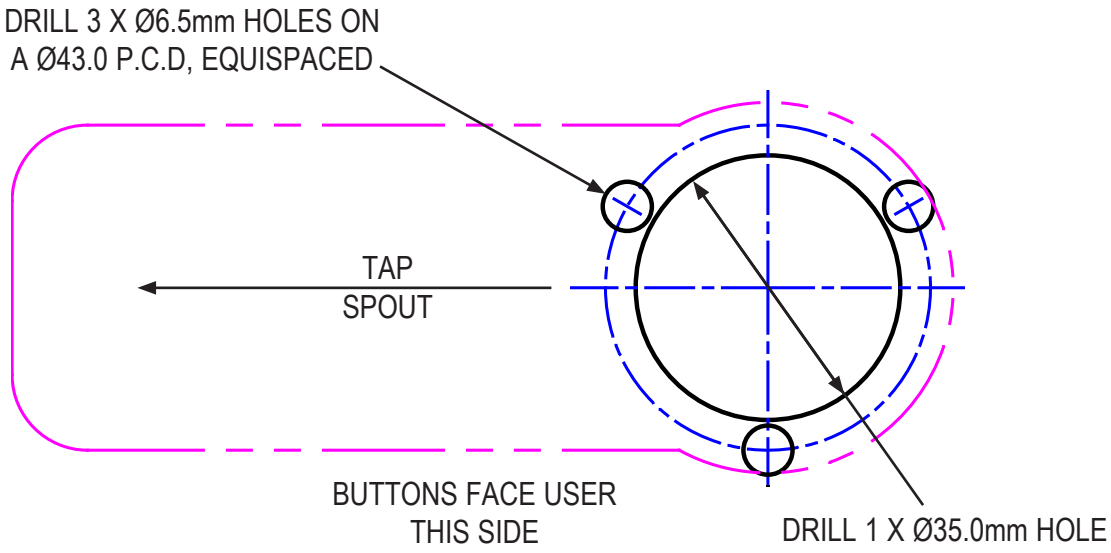
Booster specifications

	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

Pull out template

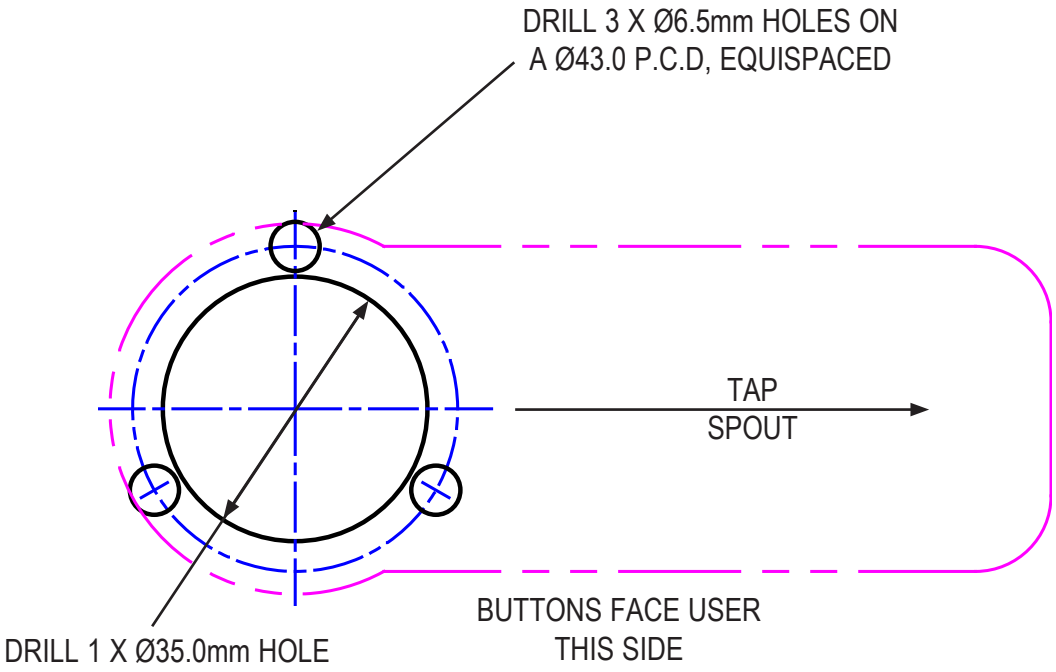
THIS TEMPLATE IS NOT REQUIRED FOR INDUSTRIAL TOP TOUCH TAPS

USE THIS DRILLING TEMPLATE WHEN MOUNTING TO THE RIGHT HAND SIDE OF THE FONT OR SINK



- MATCH TEMPLATE TO CLAMP BLOCK AND TAP BEFORE DRILLING HOLES TO ENSURE TAP SPOUT POSITION CORRESPONDS TO THE DIRECTION PRESCRIBED ABOVE
- ENSURE THAT NO SCALING HAS TAKEN PLACE DURING PRINTING

USE THIS DRILLING TEMPLATE WHEN MOUNTING TO THE LEFT HAND SIDE OF THE FONT OR SINK



MATCH TEMPLATE TO CLAMP BLOCK AND TAP BEFORE DRILLING HOLES TO

- ENSURE TAP SPOUT POSITION CORRESPONDS TO THE DIRECTION PRESCRIBED ABOVE
- ENSURE THAT NO SCALING HAS TAKEN PLACE DURING PRINTING

Pull out template

Technical support
Tel: 0345 6 005 005 Email: service@zipindustries.co.uk www.zipwater.co.uk

3.2 Installation procedure

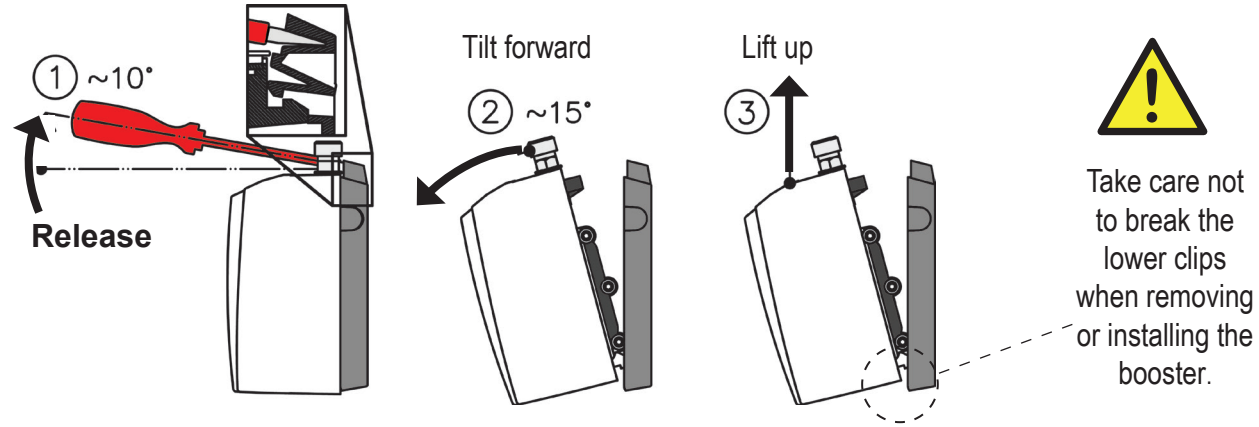
Site requirements

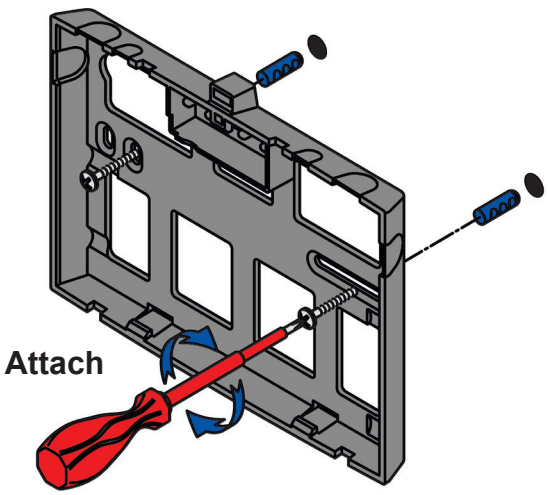
- Booster must only be installed in a frost-free area. Never expose booster to frost.
- The booster is designed for wall mounted installation and must be installed with water connectors facing upwards.
- The booster is protected against water ingress to class IP 25.
- The 500mm braided hoses supplied 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.

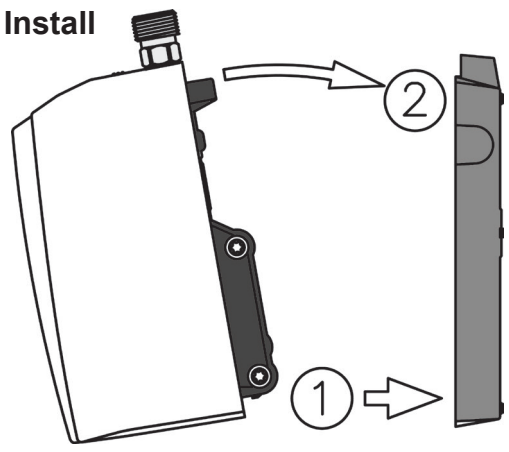
3.3 Booster installation see diagrams below

- 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.



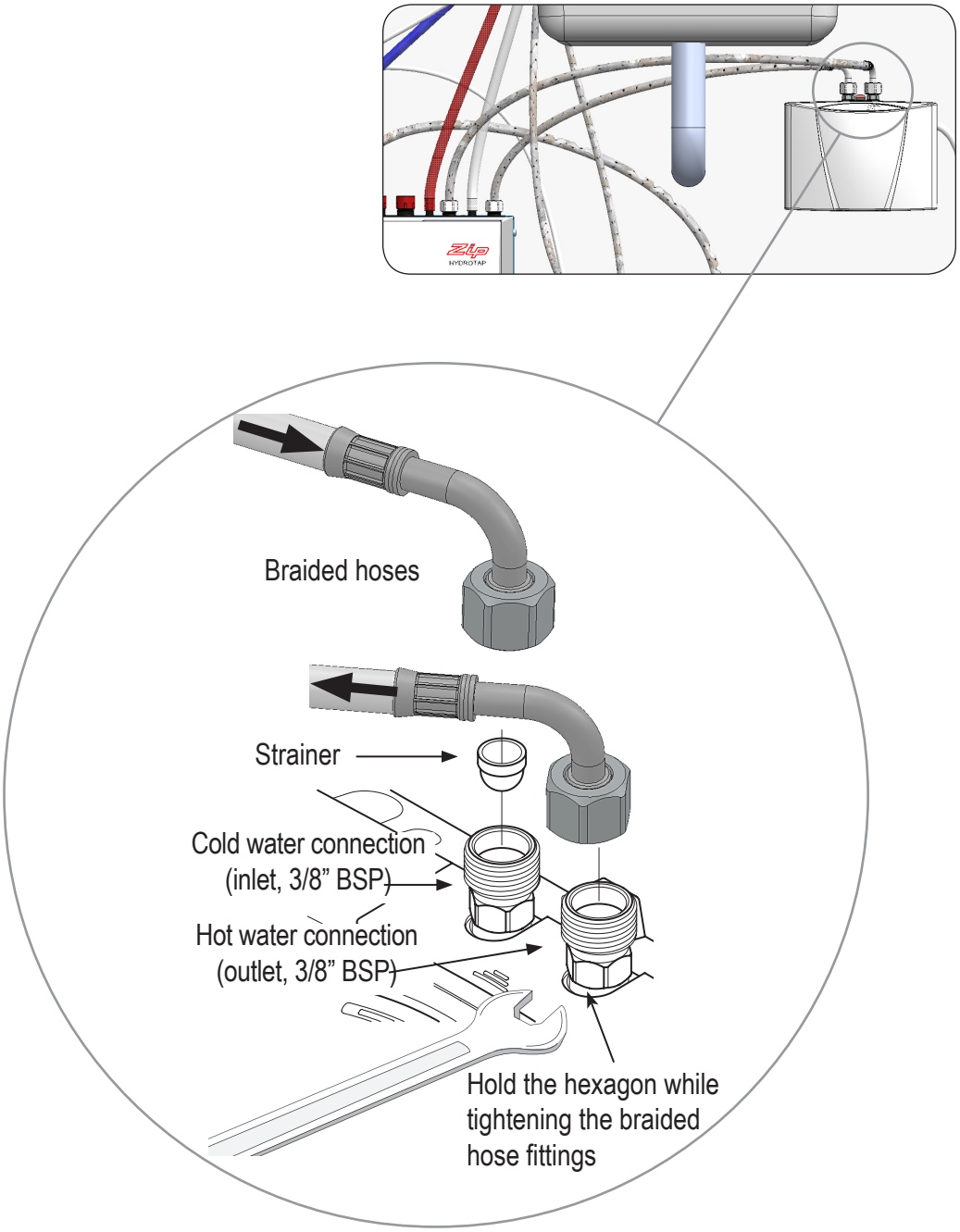




Note 1 This appliance is intended for use with the Zip HydroTap G4 Command Centre
Note 2 Water connections must be pointing vertically upwards.
Note 3 The booster unit should be installed as close as possible to the Zip HydroTap G4 as the 500mm connection hoses cannot be lengthened.

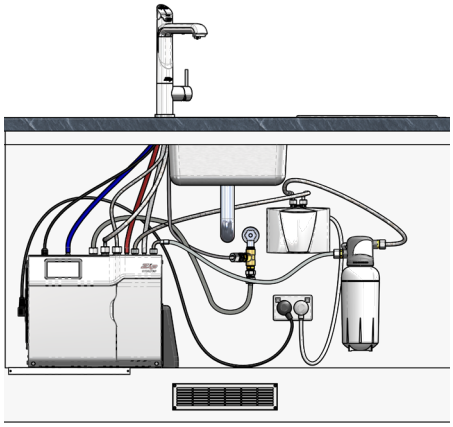
3.4 Braided hose connections

- 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^{O} to 180^{O} with a spanner.
- Once the water connections have been made, check for any leaks and rectify as necessary.



Section 4 Filter & water block installation

An external filter may be fitted to reduce the incidence of scale build up in the hot tank or may be supplied at the customer's request.

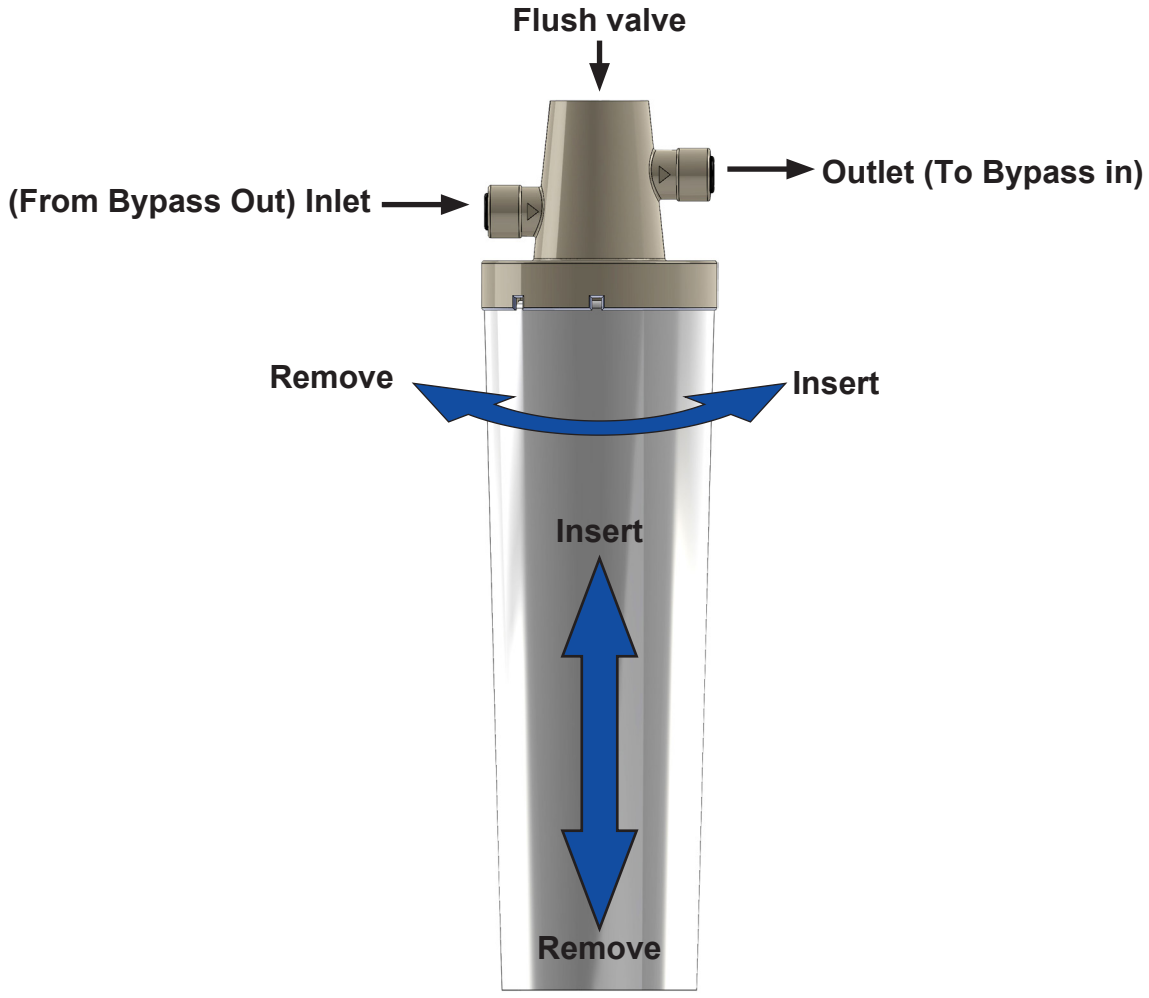


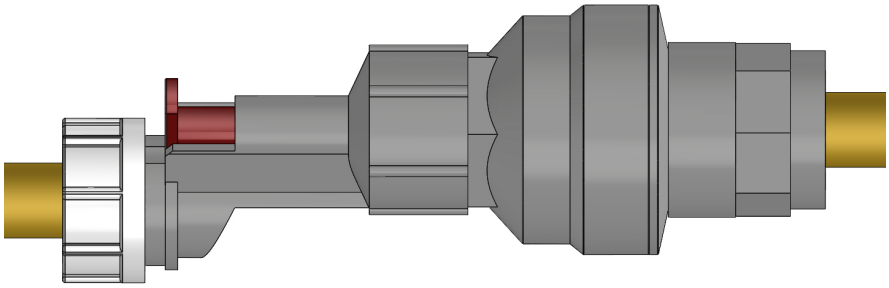
4.1 Mounting the filter head

- All information required to mount the filter head is available separately in the following document :
- Zip scale filter head installation and operating instructions 2017, supplied with the filter head.

4.2 Cartridge installation and flush

- All information required to install and flush the cartridge is available separately in the following documents:
- Zip scale filter cartridge installation and operating instructions 2017, supplied with the filter cartridge.
- Zip scale filter head installation and operating instructions 2017, supplied with the filter head.





4.3 Description

- The Water Block is designed to be installed upstream of any Zip product and associated pipe-work to minimise the potential for water leakage in the event of a system malfunction.
- The Water Block is ideal for limiting potential leakage and resulting water damage from water heaters, water chillers etc. when fitted in supply pipe work that is subject to mains water pressure.
- Once set, the Water Block will ensure that the volume of water that can flow through at one time is limited to a pre-determined maximum, providing the flow rate through it exceeds 2 litres per minute.
- The Water Block also incorporates a non-return valve.
- The Water Block is WRAS approved.

4.4 Specification

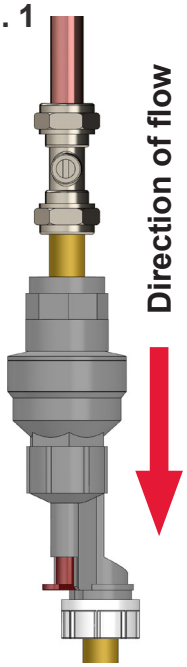
Flow control range	5 - 50 litres
Minimum / Maximum pressure	0.2 - 10.0 bar
Maximum ambient temperature	40ºC
Maximum water temperature	70ºC
Minimum operating flow rate	1.5 +/- 0.5 litres / min.
Inlet connection	¾" BSP female or 15mm
Outlet connection	¾" BSP male or 15mm

4.5 Precautions

- The Water Block will help to contain leakage exceeding a rate of 2 l/min.
- **Note** The leakage at lower flow rates may not be detected by the Water Block and could remain unchecked.
- Appropriate measures should be taken to contain leakage in these circumstances.

4.6 Installation

Fig. 1



Note. This device must be installed vertically with the direction of flow downwards (inlet at the top , outlet at the bottom. See Fig 1 adjacent).

- The Water Block should be installed in a convenient location on the water supply line to the Zip product.
- Pointer ‘P’ (see Fig.3) should be rotated until in line with the maximum required flow at one time. Each number on the scale corresponds to 5 litres of flow i.e. 1 = 5 litres, 10 = 50 litres.
- The adjustment key (see Fig.2) should be used to adjust the pointer.
- The inlet should be connected via an 15mm isolation valve (not supplied).
- The outlet shall be connected via the 15mm - 1/2” brass compression fitting supplied.
- Ensure that the direction of flow through the Water Block is correct and that the filter screen (see Fig.2) is inserted correctly with the convex surface facing towards the water supply.

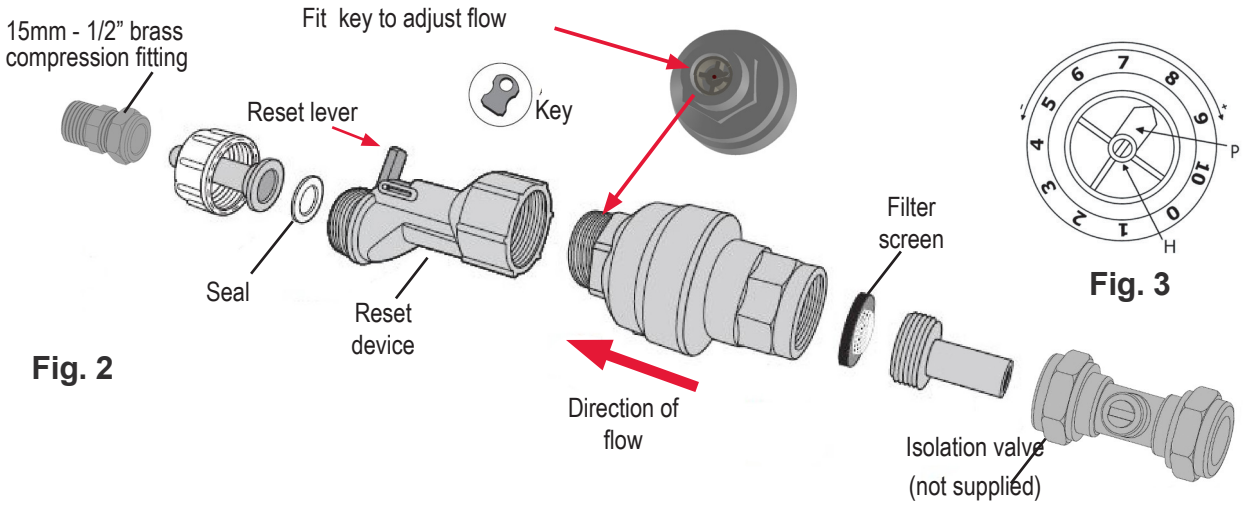


Fig. 2

Fig. 3

4.7 Reset Procedure

- The Water Block will activate and shut off the supply if more water than the set amount is drawn off at one time.
- In this event firstly isolate and de-pressurise the water supply to the Water Block, identify and repair the cause of the leak then remove the pipe-work downstream of the Water Block and press the reset button ‘H’ (see Fig.3).
- The reset device (see Fig.2) may be fitted to avoid disconnection. This allows the Water Block to be reset by operating the lever in the direction shown in Fig.2.
- In the event of persistent tripping contact Zip for advice on 0345 6 005 005.

4.8 Maintenance

- The filter screen should be checked and cleaned periodically subject to water conditions and usage.

Section 5
Command Centre installation

5.1 Generic installation arrangement instructions

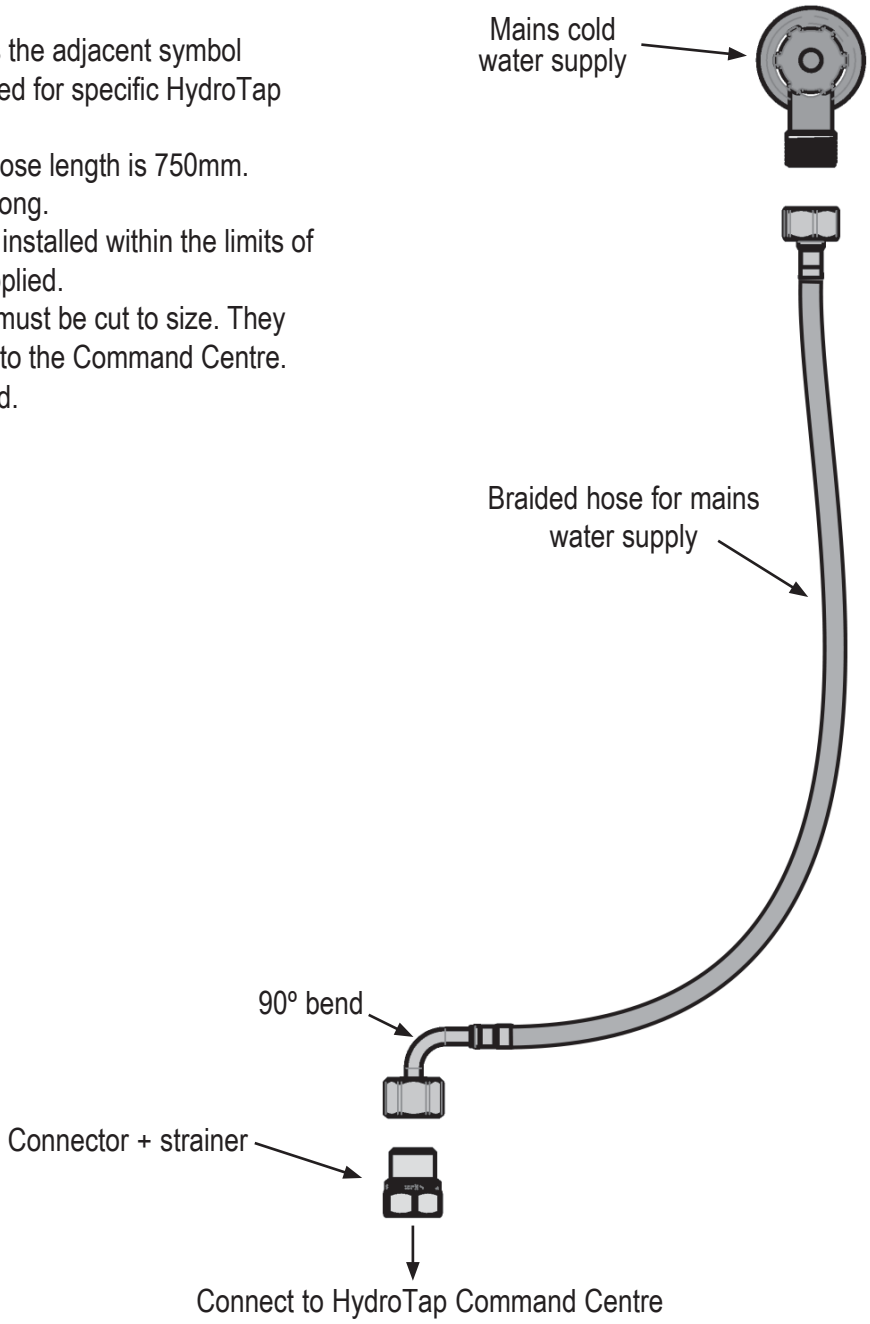
Read these instructions before commencing Command Centre installation,they apply to all installation arrangements.

- Read these instructions in conjunction with the following.

Scale filter head 2017 instructions (supplied with the scale filter head).

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

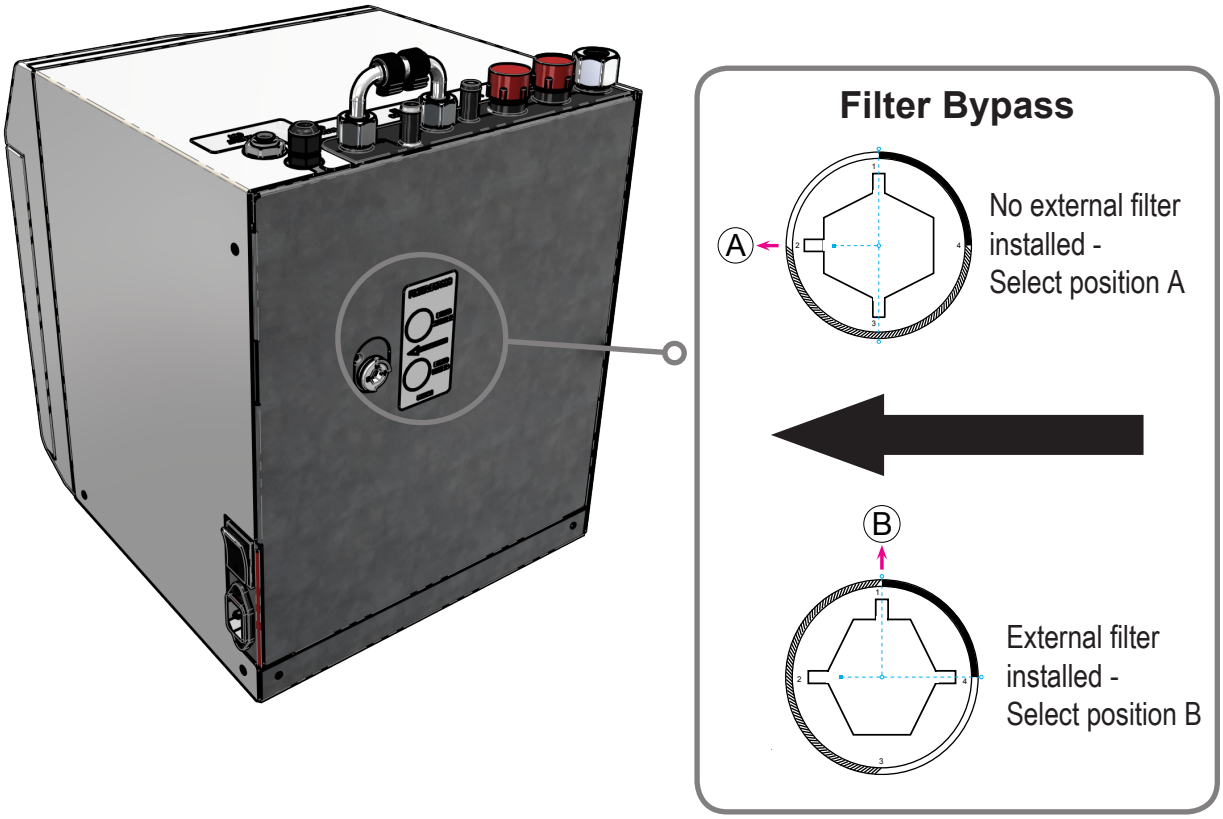
- ⊗ In the following diagrams the adjacent symbol denotes connections not required for specific HydroTap G4 models.
- Ambient mains water braided hose length is 750mm.
- Electrical power cable is 1.8m long.
- The Command Centre must be installed within the limits of the hose and cable lengths supplied.
- All silicon tubes / plastic pipes must be cut to size. They must have a constant fall back to the Command Centre.
- Isolation valves are not supplied.



5.2 External bypass valve

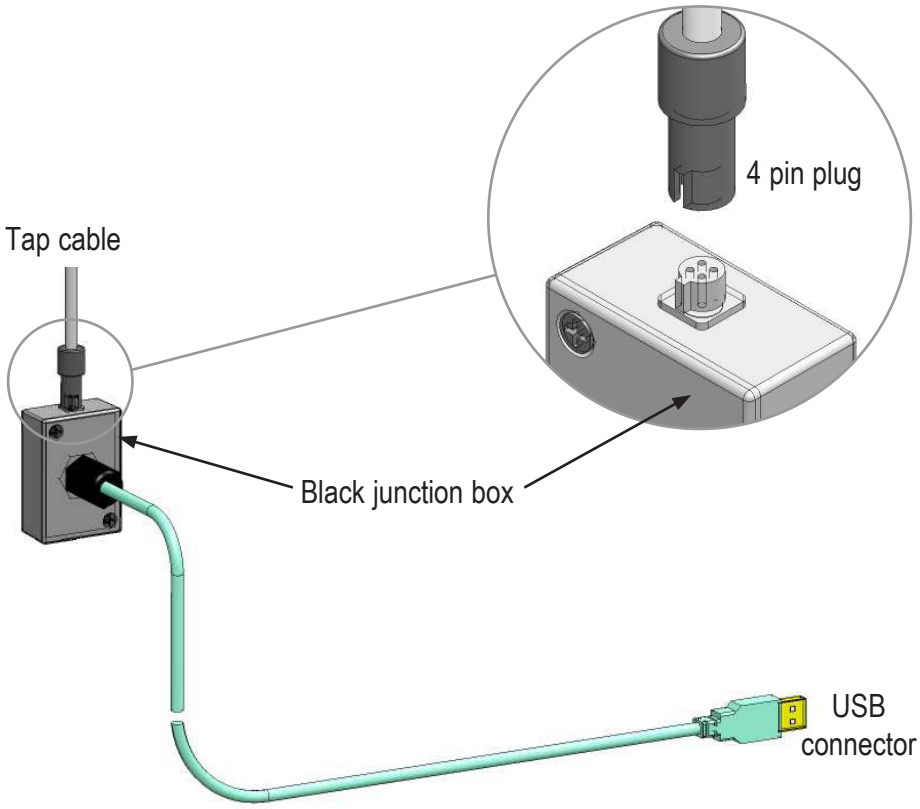
The Boiling chilled products have an external bypass valve

- The external 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 valve is located at the rear panel of the Command Centre.

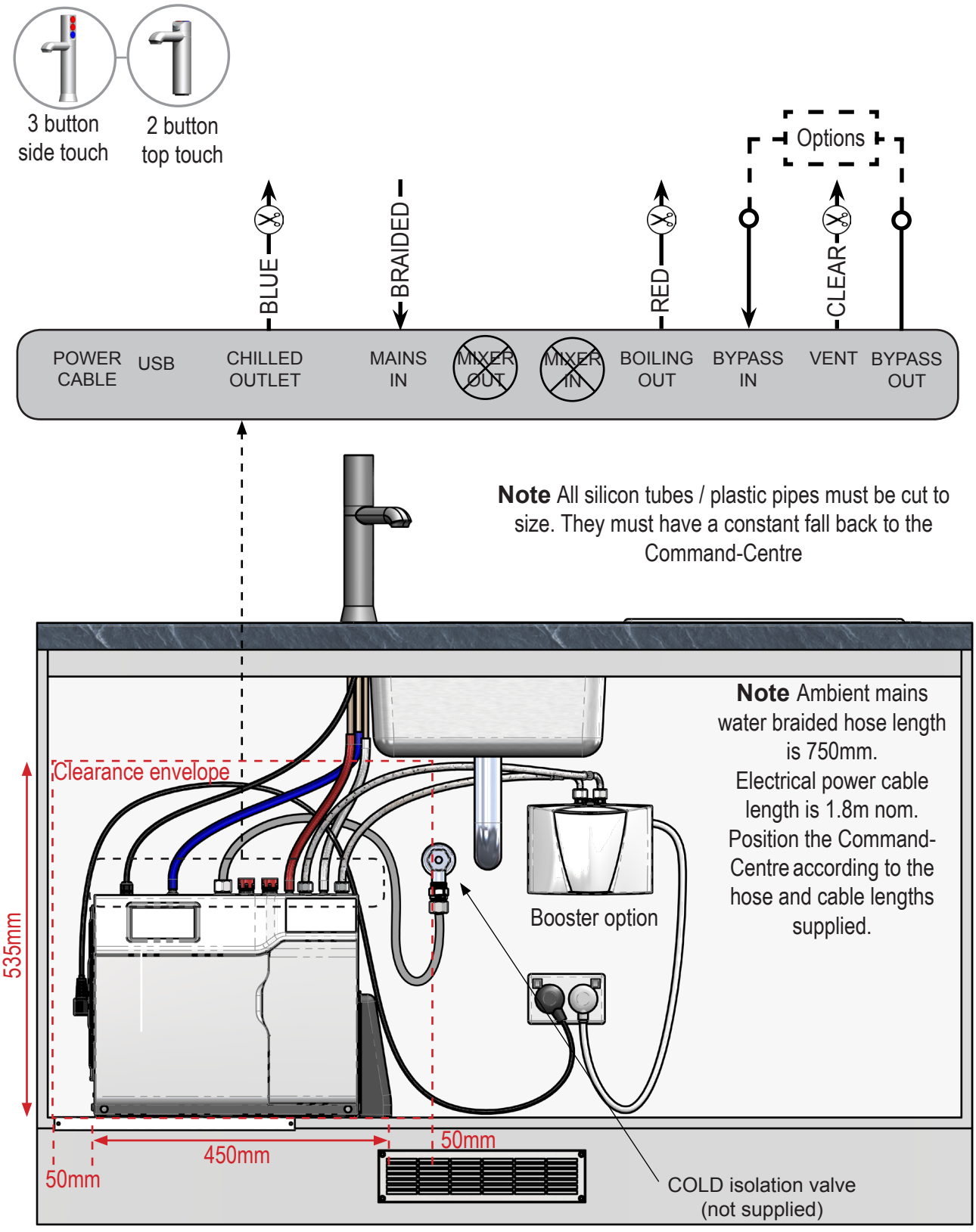


5.3 USB connection

Connect the cable from the tap to the black junction box, using the round 4 pin plug. Orient the USB plug carefully and connect it to the Command-Centre, do not force the plug. Once connected, fix the cable and junction box to the wall, ensure they are away from any possible water splashes and are off the floor.



5.4 HydroTap G4 industrial models



Note The braided hoses and connection tubes supplied with the tap head assembly and cold inlet CANNOT be lengthened. Also ensure that the (factory fitted) bypass tube assembly is fitted in place if the booster and / or external filter are not used.

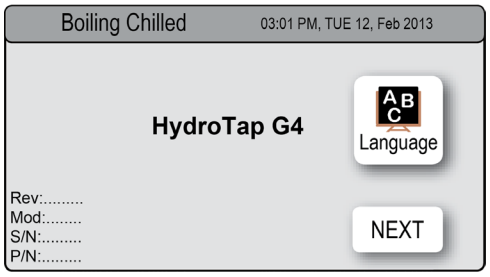
Section 6
Commissioning

6.1 Generic Commissioning instructions

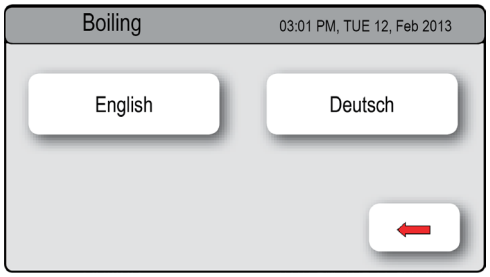
Read these instructions before commencing Command Centre commissioning, they apply to all installation arrangements.

- 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 31).
- Familiarise yourself with the operation of the tap, in preparation for use, see the user guide.
- Follow the commissioning instructions below (and read the user guide).
- After commissioning, the system may be customised by selecting further options in section G - settings of the user guide.

6.2 Select the language



Initial commissioning screen

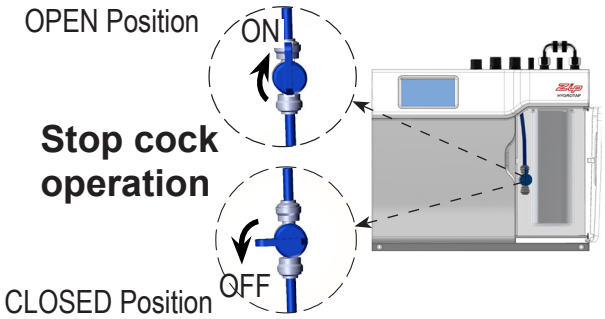


Language selection screen

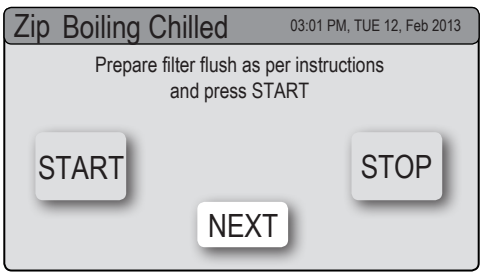
6.3 Filter flush

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).

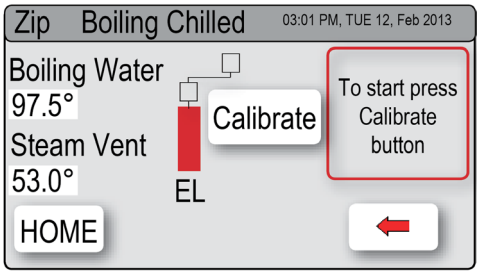
Note At first commissioning, the system will select the filter flush screen automatically.



- 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 boiling calibration screen.

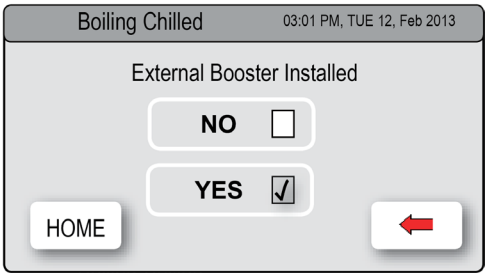


6.4 Boiling calibration



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

6.5 To enable a booster (when installed)

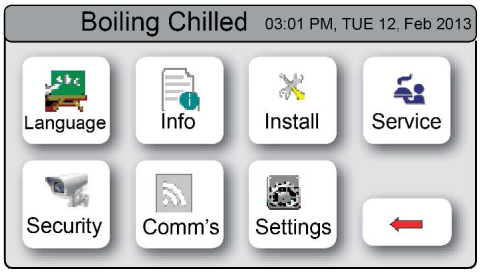


- Press the [MENU] button for main menu.
- Press the [Install] button.
- Press the [Boost] button.
- In the next screen, select [YES] to enable the booster.
- Before connecting the power to the booster, water must be run through for a min. of 30 seconds to purge. Run the boiling tap for 30 seconds and 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.

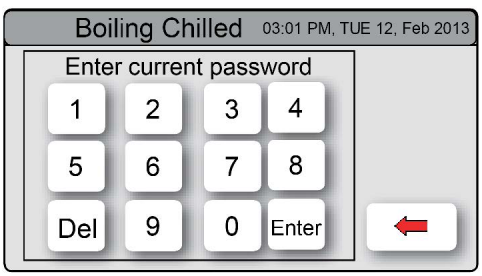
Note Depending on your location you may need to reset the internal clock. See section G of the user guide to reset the date and time.

6.6 Legacy mode

Note Legacy mode must be enabled for all industrial side touch and top touch taps to function with the Command-Centre.



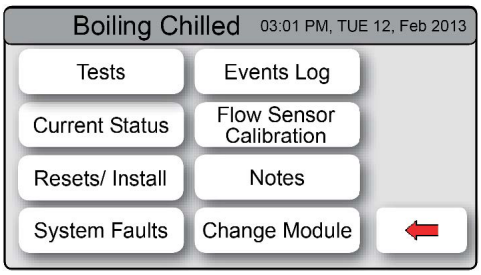
- Press [Menu] button for main menu.
- Press [Service].



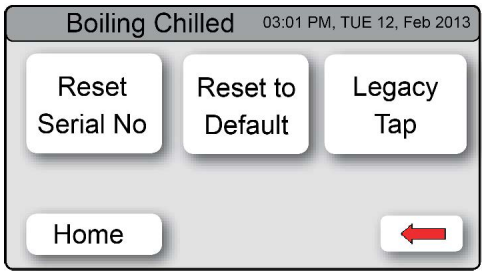
- Enter the current password.

(Please contact your local service centre for details).

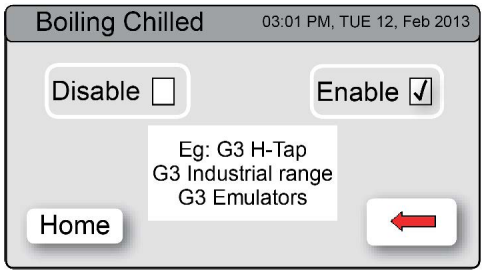
- Select [Resets/ Install].



- Select [Legacy Tap].
- In the next screen select [Enable].



Note Once the unit has been set to operate in legacy mode it will stay in legacy mode, even if the power is turned off and on.
Legacy mode will be disabled if the unit is re-set to the factory default settings. In this instance, it will be necessary to re-enable the legacy mode settings as shown above.



6.7 System flush

WARNING! Ensure all sanitising residue is flushed out prior to use.

When the filter flush and calibration have been completed, flush the system of trapped air and sanitisation residue by dispensing water from the tap until it flows without any further spluttering.

Boiling chilled Command Centres

- Dispense 3 litres of boiling water from the boiling outlet of the HydroTap. Equivalent of a complete tankful of water.
- Dispense 6 litres of chilled water from the chilled outlet of the HydroTap. Equivalent of two complete tankfuls of water.
- Check that the water is clear, and that there are no bubbles or foam present in the dispensed water.

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
Condenser Screen Blocked	Blocked air filter	Remove blockage / clean filter / check user guide
Water leak, Isolate Mains	Water leak	Turn off mains water supply / call for service
Compressor Over Run	Compressor too hot	Check ventilation
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
Cold Sensor Open	Internal fault	Call Zip service
Cold Sensor Closed	Internal fault	Call Zip service
Flood Sensor Open	Internal fault	Call Zip service
Condenser Sensor Closed	Internal fault	Check ventilation / Call Zip service
Condenser Sensor Open	Internal fault	Check ventilation / Call Zip service
Heater Driver Fault	No hot water	Call Zip service
Compressor. Driver Fault	No chilled water	Call Zip service
Hot Sensor Degraded	Internal fault	Call Zip service
A DC Pump is faulty	Internal fault	Call Zip Service
Condenser Overtemp	Blocked air filter	Remove blockage / Clean filter / check user guide
Steam too Cool	Internal fault	Call Zip service
Steam Sensor Open	Internal fault	Call Zip service
Steam Sensor Closed	Internal fault	Call Zip service
Hot Overload	Internal fault	Turn off to reset / Call Zip service
Hot Tank Overfilled	Internal fault	Call Zip Service
Comp Fuse/Driver Fault	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 Mem corrupted	Internal fault	Call Zip Service
Flow Sensor Fault	Internal fault	Call Zip Service

Call an electrician, a plumber, or Zip on 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 0345 6 005 005 for advice.

Warranty - Commercial

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 Water UK warrants that, subject to satisfactory maintenance and registration of the product, should the hot tank fail within five years of installation, 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.zipwater.co.uk and look under the heading "Warranty".

It's water. Refreshed.

Zip Water UK
14 Bertie Ward Way, Dereham, Norfolk NR19 1TE
0345 6 005 005 sales@zipindustries.co.uk

www.zipwater.co.uk