

Commercial HydroTap[®]

Filtered boiling and chilled drinking water for Commercial kitchens and tea rooms.

This Installation Instruction covers the following Commercial HydroTap models

Affix Model Number Label Here

86682

GP



Installation Checklist

Before Installation:

- A. Read the instructions
- B. Note: Not all fittings are supplied with the appliance kit. Isolation valves are not supplied
- C. Check the water pressure to determine if you require a pressure reduction valve or a flow restrictor added or removed from the kit.
- D. Check the water quality to determine if extra filtration will be required. A potable mains water supply must be used.
- E. Check the appliance rating plate and ensure correct power is available for the appliance.
- F. Check the under counter cupboard supporting the appliance is adequate for the total weight of the appliance, when full of water.

Before Commissioning:

- 1. Check the unit has been installed correctly.
- 2. Check all plumbing fittings have been tightened.
- 3. Ensure the outlet and vent pipes are positioned to drain correctly.
- 4. Ensure there is adequate ventilation.
- 5. Check all tubes from the undersink unit to the tap, have a constant rise and there are no sags or kinks in the hoses.
- 6. Check all electrical connections are correct and there are no loose wires.

Commission:

- 7. Flush the supply line before connecting.
- 8. Turn on the water and check for leaks.
- 9. Flush the filter.
- 10. Programme (select electronic models) to suit the customer's requirements.

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NOTE:

Read all instructions and precautions before proceeding. If in doubt, or need further guidance, please call Zip on 0845 6 005 005

Please leave these instructions with the end user after installation

This unit must be installed in accordance with water supply byelaws, current IEE regulations and relevant local authority byelaws.

Product Specifications

BC	160	125
Model	Cups of Boiling Water per Hour	Glasses of Chilled Water per Hour

Note: The **Cup** measurement = 167ml, the **Glass** measurement = 200ml

These Installation Instructions cover the entire Commercial HydroTap range. Use the chart on the left to identify the model you are using:

BC = Boiling and Chilled, Filtered,
 F = Filtered
 B = Boiling only
 D = Disabled lever controls (optional order only)

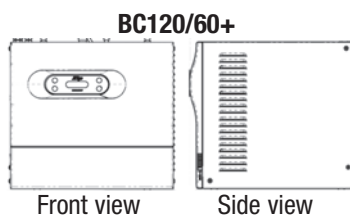
Note: "+" chiller will continue to dispense water after stated capacity has been used although this may be at a higher temperature.

Model	Maximum Boiling cups/hour	Maximum Chilled glasses/hour	Weight empty kg	Weight full kg	Total Rating kW @ 230V	Height mm	Depth mm	Width mm
BC120/60+	120	60	26	30	2.2	348	380	385
BC160/125+	160	125	28	35	2.3	337	430	440
BC200/175+	200	175	29.5	38	2.8	395	465	500
B160F	100	-	9.5	12	2.1	337	323	280
B200F	150	-	10	14	2.6	393	340	310

Read These Warnings First

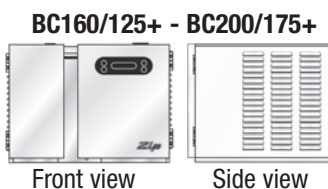


The power point must be located within reach of its cable. The power lead is supplied with the plug head removed to facilitate ease of fitting to a 13 amp fused spur. The appliance must be positioned so that the power point is accessible.



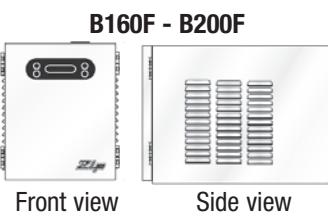
Front view

Side view



Front view

Side view



Front view

Side view

Important! The appliance must be placed in a horizontal, upright position.

Safety

This appliance is not intended for use by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Refrigerant

The Zip HydroTap Chilling unit contains 134a refrigerant under pressure. No part of the unit should be exposed to a naked flame. Maintenance of the refrigeration unit must be carried out by an accredited service provider or qualified refrigeration mechanic.

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.

The power supply cable must be adequately secured.

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

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

The plumbing installation must be done in accordance with local Water Authority regulations and these Installation Instructions.



This appliance must be earthed.

Venting

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

NOTE: On startup, the controls take the system through a calibration process which causes the unit to over-boil for a period of 90 seconds. Once this mode is completed the system reverts back to normal operation.

Read These Warnings continued

Lifting

Take care when lifting the Zip HydroTap undersink unit. Some units may exceed safe lifting guidelines. If you feel this is beyond your personal capabilities, please seek assistance with the lift. The weights of the units are marked on the packaging and are given in the table on page 4. Do not lift the unit by the doors.

Airflow

The ambient temperatures this unit should operate within are 5°C - 35°C. Proper air circulation must be provided. The system will operate satisfactorily only if the recommended air gaps are provided, these are 65mm min rear clearance and 50mm side clearance. An air vent is provided with each unit for high usage applications, this must be installed in the top half of the cupboard door as a matter of course. An accessory exhaust fan kit is available and when supplied should always be fitted to ensure adequate ventilation. Make sure that the ventilation grilles of the undersink unit are not obstructed. Included in the installation pack are adhesive backed silicon buffers. If air vents are not installed in the cupboards housing the HydroTap, the buffers must be placed on the inside edge of the cupboard door to create a slight gap ensuring a minimum airflow. Failure to do this may cause the HydroTap to overheat and operate inefficiently.

Altitude

The Zip HydroTap is equipped with a self-calibrating program which caters for altitude adjustment.

Filter Control

The Zip HydroTap filter control is preset to 6000 litres to provide trouble-free flow and operation in most installations. Local water quality conditions may require an alteration to this capacity. In areas where the water has a high concentration of sediment, the preset litre capacity may be shortened to avoid poor flow, taste or odour situations. In areas where the water quality is above average, lengthening the preset capacity may be desirable, but not essential. If any of these changes is needed, follow the instructions on page 15 or contact your Zip Service Provider.

Frost Protection

If this appliance is located where the ambient air temperature could fall below 5°C 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.

Environment Considerations

This unit is intended for indoor use only and should never be installed outdoors or exposed to the elements of nature. This unit must not be positioned in an area that may be cleaned by a water jet and must not be cleaned by a water jet.

Warning:

Zip HydroTaps are designed to operate within 1°C to 2°C of set point for boiling water and at 5°C to 15°C for chilled drinking water. All boiling water units are self calibrating to 98°C, which is the recommended setting. Adjustments to the recommended setting of 98°C setting are not advised, however, under certain circumstances adjustments may be made between 68° - 100°C . The 100°C setting is not recommended as units may discharge or boil over, more frequently.

For details see step G on page 11.

Caution must be observed when changing any settings within the Service Menu as any changes may affect the normal operation of the unit.



Note:

Always ensure the silicone tubes are shortened so that any excess is removed and their route is the most direct line between the tap assembly and the HydroTap unit.

Do not allow the tubes to sag or droop so water is trapped within the hoses. Always maintain a constant fall.

Positioning of the tap assembly must be within the following parameters:

The height between the base of the Hydrotap unit and the base of the Tap assembly cannot be greater than 900mm.

Note: Ventilation Buffers

Included in the installation pack are adhesive backed silicon buffers. If air vents are not installed in the cupboards housing the HydroTap, the buffers must be placed on the inside edge of the cupboard door to create a slight gap ensuring a minimum airflow. Failure to do this may cause the HydroTap to overheat and operate inefficiently.

Special Tools Required

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

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

When installing a Font unit:

- For font installation: 108mm diameter sheet metal or hole saw to suit surface being cut.

Installation Requirements

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

Important! The appliance must be placed in a horizontal upright position.

- Sufficient space in the cupboard to install the undersink unit in accordance with these Installation Instructions. A table of dimensions is given on page 4.

NOTE: Add 65mm to the Depth of the undersink unit to allow for Water and Electrical connections and ventilation.

- A potable water supply connection with isolating valve inside the cupboard within reach of the 750 mm flexible connection and positioned so that the connection point and the stop cock will not be obstructed when the undersink unit is installed.
- A power supply of 220-240 Volt AC, for connection to the heater via a 13 amp fused spur. This switch must provide all-pole disconnection with a contact separation of at least 3mm, installed in accordance with IEE wiring rules.
- A cold water supply with a minimum working pressure of 0.07 MPa (0.7 bar) dynamic and a maximum working pressure of 0.7 MPa (7 bar) connected via an isolation valve. If pressure is likely to exceed 7 bar (700 kPa), install a 0.35 MPa (3.5 bar) Pressure Limiting Valve (Supplied as standard with BC120/60+).

Optional Water Block **HE45004** (Recommended to be fitted in the water supply line to minimise the potential damage in the event of leakage)

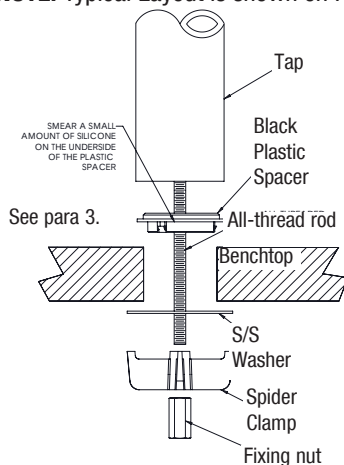
- The fitting of an air flow vent, cut into the top half of the cupboard door concealing the HydroTap requires a cut size of approximately 100mm circular, to provide adequate warm air displacement. In installations where high volume draw-off will occur, the fitting of the accessory exhaust fan is essential.

Important:

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

Installation Procedure

NOTE: Typical Layout is shown on P19



Note: A stainless steel washer is supplied to go in between the Spider Clamp and the underside of the sink top. See location as shown.

Step A - Installing the tap

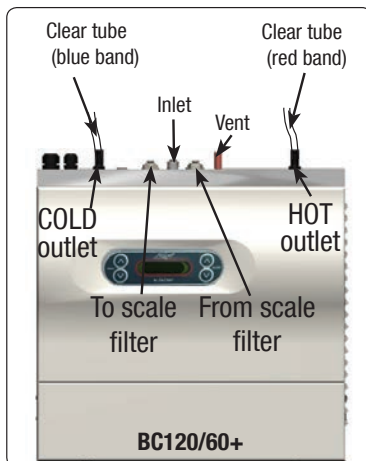
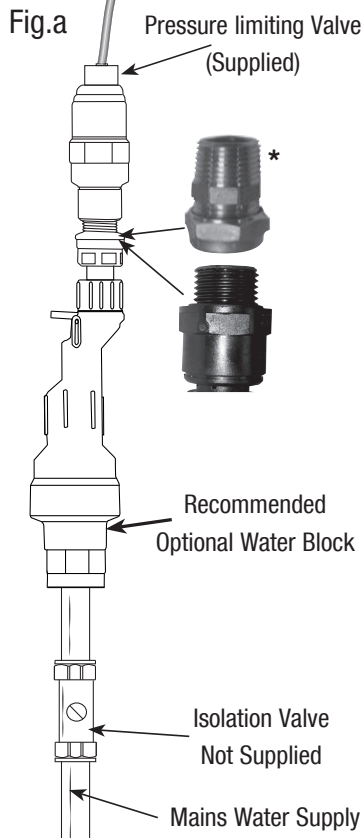
1. Make sure that the tap location will allow the nozzle to drain into the sink.

NOTE 1: The tap assembly must not be positioned more than 900mm above the base of the HydroTap unit.

Failure to do this may result in poor water delivery.

2. Cut a 35mm hole in the bench / sink top.
3. Ensure the black plastic spacer remains in place as this is the moisture seal against the bench / sink top. **A light smearing of silicon sealant on the underside of the spacer will ensure a watertight fit.**
4. Pass all three hoses through the 35mm hole and carefully locate the Head Assembly and black spacer on the bench / sink top.
5. From the underside of the bench / sink install the S/S washer and "Spider Clamp" by feeding each of the three tubes and electrical cable evenly in between the legs of the "Spider Clamp". Slide it up to meet the "All Thread", and pass the "All Thread" through the centre of the "Spider Clamp".

Installation Procedure



6. Hold the "All Thread" steady and fit the 10mm nut to the "All Thread" using the tube spanner supplied in the kit. Check the Tap Head position before securing it tightly against the bench / sink top.

NOTE 2: Under no circumstances should the Tap be twisted after the installation is complete.

Step B - Installing the undersink unit

SPECIAL NOTE: The HydroTap undersink units are heavy, take note of the weights listed in the table on page 4. If you think you cannot lift the unit safely, get help and avoid possible injury.

Before positioning the heater connect the braided water inlet hose (supplied) to the cold water inlet on the unit. For BC120/60+ model, connect the plastic inlet hose (supplied) to the cold water inlet on the unit. This is located at the rear of the unit.

A 3.5 bar pressure limiting valve is supplied with the BC120/60+ unit.

Caution! Installing the pressure limiting valve to mains water supply (Fig. a):

The pressure limiting valve may be supplied with one of two 15mm mains fittings:

1. *A brass 1/2" BSP male taper x 15mm compression connection.

If installing the brass compression fitting, ensure that you use sufficient PTFE tape on the taper thread.

2. **A plastic JG fitting (15mm to 1/2" BSP)

Do not use PTFE tape on the plastic screw thread of the JG fitting, take care not to overtighten the fitting, hand tight plus 1/4 turn maximum. The use of PTFE tape or over-tightening of plastic fittings may result in leaks.

Position the Zip HydroTap undersink unit as close as possible to directly beneath the Zip HydroTap tap head.

The connection tubes supplied with the tap head assembly CANNOT be lengthened.

Leave at least a 50mm air-gap without obstruction on each side of the unit and 65mm at the rear

Adjust both cupboard door hinges and attach the supplied rubber door buffers to the doors to create a 4mm air-gap between the doors and the cupboard. This is the minimum ventilation requirement for low usage installations.

The following instruction is critical:

Proper air circulation must be provided for all Boiling and Chilled models. The system will operate correctly only if the recommended air gaps are achieved during installation. Alternatively a ventilation hole measuring 100mm must be cut into the top half of the cupboard door to accommodate the air vent provided. Make sure that the undersink unit ventilation grills are not obstructed in any way.

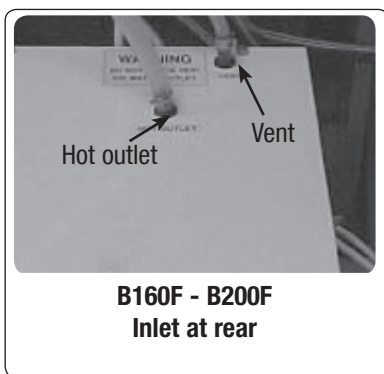
Cupboard ventilation for Boiling only models is recommended.

Step C - Connecting the tap

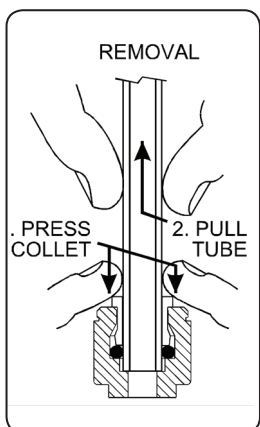
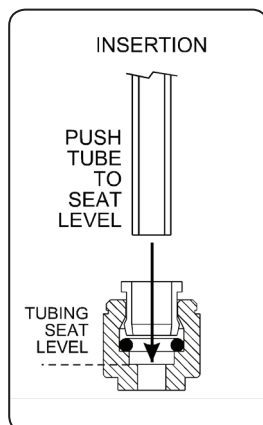
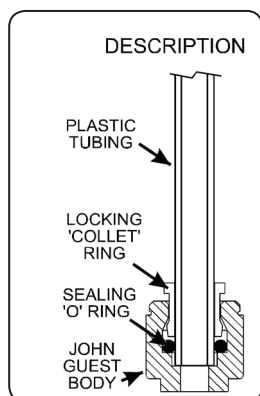
Model BC (boiling/chilled models)

Measure and trim the blue tube and connect it to the chilled water outlet located on the top front, right hand side of the undersink unit. Use spring clamps provided.

Measure and trim the red marked tube and connect it to the hot water outlet located on the top centre, right hand side of the undersink unit. Use spring clamps provided.



Where the connections are a John Guest (JG) fitting; follow the diagram below to connect or disconnect the pipes and fittings. Make sure all connections to JG fittings are pushed fully to the seat level as below.



Measure and trim the unmarked tube and connect it to the vent outlet located on the top centre, left hand side the top of the undersink unit. Use spring clamps provided. **NOTE:** All tubes must have a continuous fall back to the undersink unit.

Connect the tap USB connector to the USB lead on the undersink unit. Orient the USB plug carefully and connect, do not force the plug. Once connected, fix the cable to the wall, ensure it is away from any possible water splashes and is off the floor.

Note: When trimming any silicon tubes trim to minimum length, do not loop any excess or allow kinking of the tubes. When connecting, slide the tube over the pipe at least 25mm. There are black plastic clamps provided on the boiling and chilled hoses to choke the flow if required. Only choke the flow if it is excessively strong.

Model B (boiling only models)

Measure and trim the red marked tube and connect it to the hot water outlet, on the top of the undersink unit. Use spring clamps provided. Measure and trim the unmarked tube and connect it to the vent outlet on the top of the undersink unit. Use spring clamps provided.

NOTE: Both tubes must have a continuous fall back to the undersink unit.

Connect the tap USB connector to the USB lead on the undersink unit. Orient the USB plug carefully and connect, do not force the plug. Once connected, fix the cable to the wall, ensure it is away from any possible water splashes and is off the floor.

Step D - Connecting an external scale filter. (Not supplied as standard equipment).

Instructions for BC120/60+, BC160/125+ and BC200/175+ only.

B160F and **B200F** may also be fitted with a scale filter; follow the instructions supplied with the filter kit ZT200.

To combat the build up of lime scale, a high performance external filter kit may be ordered from your Zip service provider.

NOTE:

- When fitted, the external filter will supply filtered water only for the Hot tank. The internal filter will continue to supply filtered water for the cold tank.
- The external filter may require the inlet water pressure to be regulated to lower than 6 bar. In this case a 3.5 bar (350 kPa) Pressure Reduction Valve will be required.
- The rear of the unit on models BC160/125+ and BC200/175+ are fitted with, 1/4" John Guest, inlet and outlet fittings, specifically for the Zip high performance filter kit.
- The top of the unit on model BC120/60+ is fitted with 1/4" John Guest, inlet and outlet fittings, specifically for the Zip high performance filter kit.
- These instructions must be read in conjunction with the filter fitting instructions supplied with the high performance filter kit.
- The filter assembly must be located close to the appliance with sufficient space for service access. Consult the instructions supplied with the filter kit.

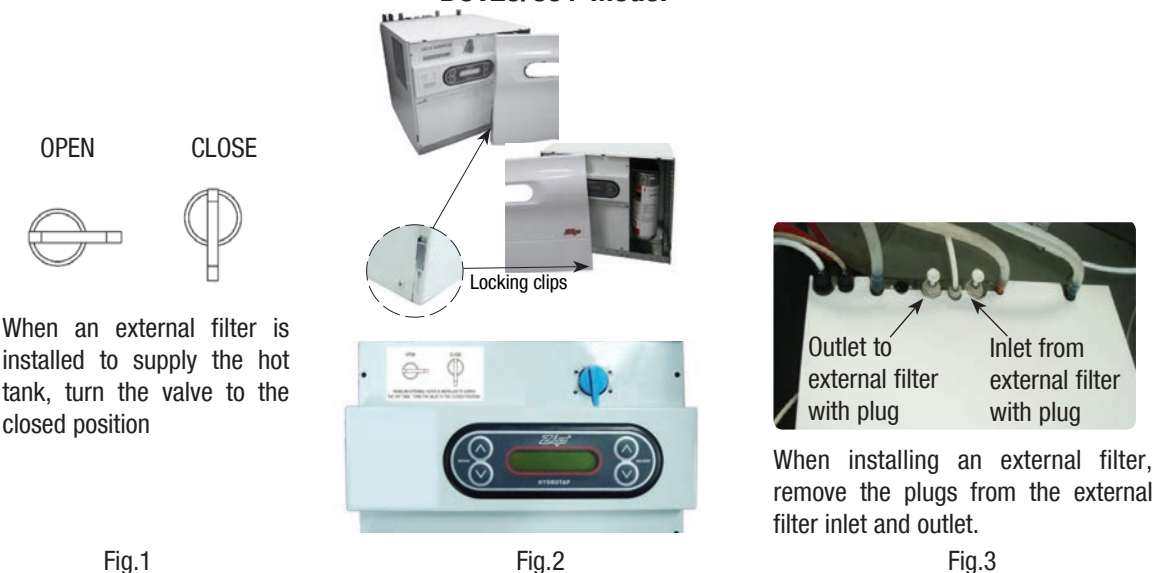
To fit the external filter kit:

- Access the filter bypass valve (models BC160/125+ and BC200/175+), by removing the white plastic plug, located on the Left hand side of the undersink unit. (See Fig.5 on page 9)
- Access the filter bypass valve (models BC120/60+), by sliding the locking clips up and removing the filter access door on the front. (See Fig.2 on page 9)
- Using a suitable set of pliers, close the filter bypass valve as instructed in

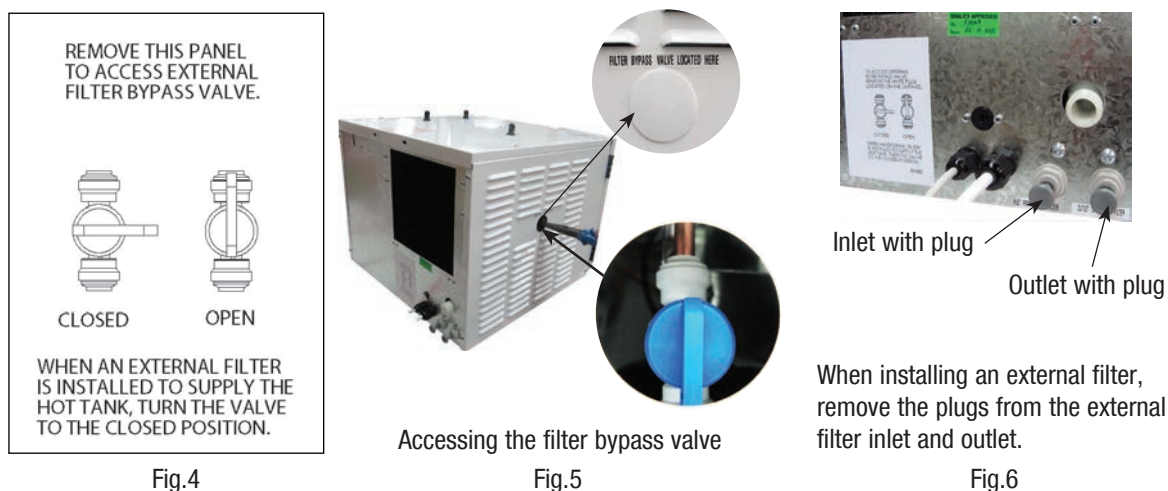
Fig.1 and Fig.4.

- Remove the Inlet and Outlet plugs from the John Guest fittings as shown in Fig.3 and 6.
- After suitably mounting the filter assembly to an adjacent surface, measure and trim the filter inlet and filter outlet tubes.
- Fit the tubes to their respective inlets and outlets, checking to ensure the flow of water corresponds to the direction indicated by the arrow on the filter head and by the instructions listed on the rear panel (models BC160/125+ and BC200/175+) of the under sink unit. (See Fig.6) For model BC120/60+ refer to instruction on top panel. (See Fig.3) For models BC160/125+ and BC200/175+, refit the white plastic plug and relocate the undersink unit, ensuring all air gaps and clearances are maintained. (see Page 5 Airflow details). For model BC120/60+ replace the filter access door on the front.
- Activate the filter programme within the service mode.
- After Testing and Commissioning (Step F).
- Set the external filter life - Max 3000 Litres.
- Set external filter use (The scale filter must be flushed before first use, see instructions supplied with filter).
- Check all connections for leaks.

BC120/60+ Model



BC160/125+ and BC200/175+ Model



Step E - Connecting the water supply

To prevent sediment from entering the Zip HydroTap at connection, flush water through the supply line thoroughly before connection to the Zip HydroTap. Open the access door and check that the filter is in place and secure. Connect the water supply to the undersink unit using the attached flexible hose. Turn on water and check for leaks. If no leaks are evident turn the power on.

Step F - Testing and commissioning

Model Selection

1. Turn on the unit, the screen will display general product information for approximately 2 seconds (**Fig.a**).
2. The screen will then display "To Select Model Press ADJUST ->". Press the ADJUST ▲ or ▼ button once to check the model number (**Fig.b**).
3. The screen will now display "<-Scroll Exit->" and the model description (**Fig.c**). The factory default model description on the screen should match the product model description on the front cover of this instruction manual. If the correct model description is displayed, select "Exit" by pressing ADJUST ▲ or ▼ to confirm selection and exit model description selection setting.
If the model description displayed is incorrect, select the "Scroll" option by pressing MENU ▲ or ▼ button to scroll through the model description until the correct model description is displayed then select "Exit" by pressing ADJUST ▲ or ▼ to confirm selection and exit model description selection setting.
4. The model selection is now complete. The "Start Filt Flush" will be displayed (**Fig.d**).

Fig.a



Fig.b



Fig.c



Fig.d



Filter Flush Mode

Have a bucket or similar container (not supplied) at the ready to hold a quantity of water that is ejected while the Filter Flush Mode is in operation. Open the filter access door on the front of the HydroTap and the filter cartridge will be exposed. Located to the rear RHS of the cartridge is a fixed 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).

Turn ON both water and electricity supplies and open the flush line stop cock. The display will show Filter Flush Mode. To activate press adjust ▲ and run at least 7.5 Ltrs of water through to activate the filter membrane. Press the adjust ▲ button again to stop the Filter Flush Mode. Turn OFF the Filter Flush stop cock and re-locate the tube and stop cock in the filter compartment. Turning OFF the Filter Flush Mode puts the HydroTap into calibration mode.

Calibration

The unit now carries out a self calibration function to ensure correct temperatures are maintained. During this period the Red LED on the Tap Head assembly flashes slowly until the calibration function is complete.

Press adjust ▲ to start calibration. The element will now cycle ON and heat the water to 90°C maintaining it at that temperature for a short stabilisation period.

Once stabilised, the element will cycle On, bring the water to boiling point and hold it there for a short period.

Note: It is normal for steam to be released from the tap during the calibration process. Take caution to ensure no scalding occurs.

Once this step is complete (approx 5 minutes) the unit will default to normal operation.

When starting, both Boiling and Chilled cycles activate simultaneously after calibration has taken place, the following descriptions indicate what happens during each cycle.

Boiling

The unit is now running in normal operating mode. The Red LED will flash until usable temperature is reached.

Before using the HydroTap wait 5 minutes after this point to allow adequate fill time. The unit is now ready for use. Test water delivery from the tap and check for appropriate temperatures. Use cable clips to tidy and secure wiring before connecting the power.

Chilled When water and power are turned On, the Blue LED flashes slowly on the Tap Head assembly. The compressor activates and water begins to fill the chiller tank at the prescribed rate. When the water is chilled to 15°C the Blue LED on the Tap Head assembly stops flashing and stays illuminated. The compressor continues to chill down to 5° when it will cycle Off.

Ensure that the clock matches your local time. If not refer to page 15. If Energy Saver Settings are required, the instructions for installing these are described on page 15 "Setting the Energy Saver Timer".



Step G - Temperature set point adjustment

(Not normally required)

Temperature and Water level screen: (Service Default Screen)

To access this default screen, on the right hand side of the screen, press the 'A' adjust buttons together until the screen changes to Service Mode, it will show the following:



NOTE: The temperatures shown are actual, not the set temperatures. To revert back to the Normal Operation screen, press the adjust buttons together again until screen changes.

→ Press the Menu plus button, **once**, to enter the **Hot Temperature Adjustment Screen:**

Here you can adjust the Hot temperature set point by pressing the A adjust ▲ or ▼ buttons.

The Hot temperature set point can be raised or lowered in 0.5°C increments between 68° - 100°C. **Note:** the Maximum setting of 100°C is not recommended for normal use. Do not raise temperature above 98.5°C without consulting Zip first to discuss the service issue.

→ Press the Menu minus button, **once**, to return to the **service default screen:**

To change the service default screen back to Normal Operation, press the adjust buttons together until the screen changes back.

The cold temperature set point can be adjusted as follows:

→ Press the Menu minus button **once** to enter the **Cold Temperature Adjustment Screen:**

Here you can adjust the Cold temperature set point by pressing the A adjust ▲ or ▼. The cold temperature set point can be changed in 2°C increments as follows: 5-9°; 7-11°; 9-13° or 11-15°C.

→ Press the Menu plus button **once** to return to the **service default screen.**

To change the service default screen back to Normal Operation, press the adjust buttons together until the screen changes back.

Caution must be observed when changing any settings within the Service Menu as changes may affect the normal operation of the unit.

Font installation Procedure



A font kit (ZT004) installation is available for this product and is sold separately as an accessory. For details of the available font kits, please contact your Zip customer service provider. The font installation instructions and mounting template are supplied with the font kit.

Operating the Tap

Blue Chilled Water Light

On all the time:

This indicates that the temperature of the chilled water is within the usable temperature range.

Flashing slowly :

This indicates that the chilled water is not at the right temperature. Wait up to 20 minutes. When the chilled water is at the right temperature, the light will stop flashing. Note: The Zip HydroTap is designed to dispense chilled water in the temperature range 5°C to 15°C depending on settings.

During heavy usage, the temperature can rise out of this range.

Red Boiling Water Light

On all the time:

This indicates that the boiling water is ready.

Flashing slowly :

This indicates that the boiling water is below usable temperature.



Note: On the Boiling only models the Chilled LED is blank.

Filter light

Filter Change Light Off:

This indicates the filter is operating within its normal specified lifespan.

Filter Change Light Flashing slowly :

The light will flash slowly when the filter is due for replacement and the LCD will show "Filter Change". Refer to "Replacing the filter" section of this document. (see P16 & P17).

Press or pull lever



Lever Operation

Boiling Water Lever (with safety disengaged)

Depressing the "Red" lever allows dispensing of Boiling water.

Pulling up the Red lever allows the tap to operate in a "no-touch" mode. Water will flow from between 5 and 15 seconds (This is user adjustable). To reset, return the handle to the "Off" position and repeat the step. The lever has to be manually returned to the "Off" position.

Chilled Water Lever

Depressing the "Blue" lever allows dispensing of Chilled water. Pulling up the Blue lever allows the tap to operate in a "no-touch" mode. Water will flow from between 5 and 15 seconds (This is user adjustable). To reset, return the handle to the "Off" position and repeat the step. The lever has to be manually returned to the "Off" position.

Safety Lock



Child safety Lock

Safety Lock (boiling / chilled models)

The safety lock can be activated to prevent boiling water flowing if the hot lever is inadvertently activated.

To activate, first press the safety lock then depress the Blue Chilled water lever for a period of approximately ten seconds. The safety lock indicator light will now be illuminated.

To de-activate, first press the safety lock then depress the Blue Chilled water lever for a period of approximately ten seconds. The safety lock indicator light will now extinguish.

To operate when the lock is ON, depress both the Red lever and the safety lock simultaneously.

Safety Lock (boiling only models)

To activate the safety lock, go to the LCD display, using menu **▲** or **▼** buttons, scroll to the Safety Lock display. To turn ON adjust **▲** button, to turn OFF adjust **▼** button. After about 10 seconds the screen will default to the selected mode. When activated the LED on the safety lock will be illuminated. If de-activated the LED will be OFF.

To operate when lock is ON, depress both the Red lever and the safety lock simultaneously.

Setting the Energy Saver Timer



Normal Operation

Set Time

To change time, press either Menu **▲** or Menu **▼** button until Set Time is on the display screen. Press **▲** Adjust button to increase time or **▼** Adjust button to decrease time. Time increases or decreases in increments of one minute. Hold the Adjust buttons down for rapid increases or decreases. The time will be displayed in 24Hr mode.

Set Day

Press either Menu **▲** or Menu **▼** button until Set Day is displayed.

Press **▲** Adjust or **▼** Adjust to select day.

Filter Life (Factory set at 6000 Ltrs)

Press either Menu **▲** or Menu **▼** button until Filter Life is displayed.

Setting the Energy Saver Timer (Products with this feature only)

Press **▲** Adjust button to increase Filter Life or **▼** Adjust button to decrease Filter Life.

Filter Life increases in 1000 Litre increments to a maximum of 10000 Litres.

Reset Litres Filtered

This function is to reset the Filter Change display after a filter has reached the end of its life (refer to “Replace Filter Instructions” section of this document).

Press either Menu **▲** or Menu **▼** button until “Litres Filtered” is displayed. Press **▲** Adjust once and “Reset Counter” will be displayed, press **▲** Adjust button once and “Are You Sure” will be displayed.

Press **▲** Adjust once and “Litres Filtered” will be reset to 0.

Activating Sleep Mode

This mode allows the HydroTap to go into Energy Saving mode. In this mode the unit will go to “sleep” after a predetermined period of inactivity. Press either Menu **▲** or Menu **▼** button until “Sleep Mode” is displayed.

Press **▲** Adjust once to select

Option 1: Sleep to 65°C after 2 hours of NO USE

Press **▲** Adjust once to select

Option 2: Auto OFF after 2 hours of NO USE.

When the period of inactivity passes, the display will show “Sleep Mode”. During the “Sleep Mode” the Red LED on top of the tap lever will flash slowly.

Sleep to OFF means the Boiling and Chilled circuits will be switched OFF

To de-activate the sleep mode, momentarily operate the Hot lever and then allow sufficient time for the water to reach the set temperature

Note:

The Hydrotap may be temporarily activated by operating the HydroTap levers, the unit will go into normal operation and then remain in an “ON” cycle, until the next “OFF” cycle.

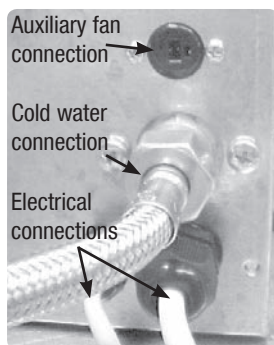
Activating 7 Day Timer On / Off Mode

Press the Menu **▲** or Menu **▼** button until “Monday On” is displayed. To set the time for the unit to turn on press **▲** Adjust button until required time is reached.

To set the time for the unit to turn Off press Menu **▲** button once and “Monday Off” will be displayed. Now press **▲** Adjust until required time is reached.

If each individual day is to have an “On / Off” time, these steps need to be repeated for each day and for each On / Off time.

Auxiliary Fan Attachment



The HydroTap is equipped with an auxiliary fan connection point on the rear panel close to the cold water inlet / flex and plug area. The fan kit is available as a spare part. The fan operates in parallel with the Condenser fan helping to remove heat from the cupboard space. This fan should be purchased and connected to the HydroTap if the airflow characteristics of the cupboard space are inadequate for the effective removal of hot air, thereby adversely affecting the operation of the HydroTap.

The fan can be installed so that it extracts air from, or forces air into the cupboard space, whichever is the most effective for your installation.

Application of the fan is of paramount importance in situations where the cupboard space reaches temperatures greater than 35°C.

The exhaust fan kit must be fitted, when supplied with the appliance.

Note: The 200/175+ model is supplied with the auxiliary fan kit

Boiling Water Isolation

The HydroTap is equipped with an additional safety mode that allows protection against accidental operation by infirm or disabled persons.

1. On the LCD scroll through the menu to Hot Isolation.
2. Press adjust **▲** to activate.
3. Now go to the Tap Head assembly and press the Safety Lock (3) three times rapidly, the LED's will scroll from left to right (3) three times. This operation confirms the activation.
4. This isolates the boiling tap only. The LCD shows isolation mode is active.
5. To temporarily de-activate and dispense boiling water, press the Safety Lock (3) three times rapidly, the LED's will scroll from right to left (3) three times. This operation confirms de-activation and will temporarily be de-activated. After 30 seconds of no use the unit will revert to isolation.
6. If permanent de-activation is required, de-activate by scrolling through the menu and selecting de-activate when Hot isolation Mode is displayed on the screen.
7. The LCD will show Normal Operation.

Set the Hot & Cold water dispensing times

The ability to change the maximum dispensing time for both the Hot and Cold water has been introduced. The default settings for the maximum dispensing times is 15 secs. The ability to change both the Hot and Cold dispensing times between 5 and 15 seconds, in increments of 1 sec, is accessible through the Menu screen on the LCD.

Scroll through the Menu until the Dispense Hot screen is displayed, then use the adjust buttons to set the required dispensing time for the Hot water.

Follow the same procedure to access the Dispense Cold screen.

External Filter Replacement

These instructions must be read in conjunction with the filter fitting instructions supplied with the high performance filter kit.

Depending on local water quality conditions and usage, the filter may require changing anywhere from 1000 Litres to 3000 Litres. You may also need to replace the filter if you notice unpleasant odours or tastes.

To change the pre-set filter life, scroll through the menu to "External Filter Life", press adjust **▲** to reset litre counter. Press adjust **▲** and it asks "are you sure". Press adjust **▲** again to lock in the command.

To Change the external filter:

1. Scroll through the screen menu to "Filter Flush Off" this isolates the water supply.

External Filter Replacement (continued)

2. Relieve system pressure by lifting the Hot lever and allowing the water to run until it shuts off automatically (15 secs.)
3. Remove and replace the spent external filter cartridge as described in the filter kit instructions. Mop up any spills from the filter head.
4. Scroll through the menu to "External Filter Used ", press adjust ▲ to reset the litres. Press adjust ▲ and it asks "are you sure". Press adjust ▲ again to lock in the command. After approx 10 seconds it will default to the selected mode.

Internal Filter Replacement



HydroTap filter location
BC160/125+ BC200/175+



Locking clips
BC120/60+

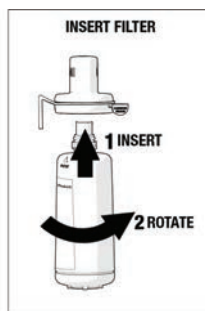
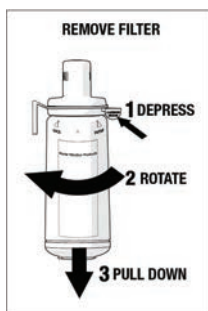
The Zip HydroTap notifies when filter replacement is due. The default setting is 6000 Ltrs, but this can be set in increments of 1000Ltr from 1000Ltr to 10000Ltrs. When a filter change is due, the Change Filter light will flash white once a minute and remain so until reset. A filter status light is located between the Red and Blue Lights on the tap head assembly.

Depending on local water quality conditions and usage, the filter may require changing anywhere from 1000 Ltrs to 10000 Ltrs. You may also need to replace the filter if you notice unpleasant odours or tastes.

Some water may drip from the filter head (socket) during replacement. Keep a bucket and towel handy to catch drips and mop up any spills.

To change the Filter:

1. Scroll through the screen menu to "Filter Flush Off" this isolates the water supply.
2. Open the left door or on the compact model, remove the front cover by lifting the locking tab as shown in photo along side and lift off to expose filter.
3. Relieve system pressure via the filter flush stop cock, a quick open and close will do. Use the bucket to catch the discharge.
4. Grasp filter cartridge, depress the red lever and rotate the cartridge a quarter turn to the left and gently pull down. Caution: a small amount of water will drip as the cartridge is removed.
5. Do not tilt the cartridge as dirty water may spill from it if tilted.
6. Unpack replacement cartridge, remove the sanitary cap and write today's date where shown on the label.
7. Avoid touching the filter o-rings and filter opening as this may cause bacterial contamination of the cartridge.
8. Moisten the o-rings with water, align the front cartridge label to the left as shown in the "insert filter" diagram for filter cartridge replacement, and push the new cartridge into the filter head.
9. Turn the cartridge a quarter turn to the right until the cartridge comes to a complete stop and is locked in position with the front label facing forward.
10. Locate the filter flush hose situated behind the filter cartridge and run to a container ready for flushing. Open the filter flush stop-cock. On the control panel press adjust ▲, this will start the water flow flushing the cartridge. Allow at least 12 Ltrs of water to run through to activate the filter before use. Isolate the filter flush stop-cock and re-fit behind the filter cartridge. Now press adjust ▲ to stop the flow. (It may take approximately 3 minutes to flush 12 litres.
11. Wipe up any spills and dispose of spent filter cartridge and packaging thoughtfully.
12. Scroll through the menu to "Litres Filtered", press adjust ▲ to reset litre counter. Press adjust ▲ and it asks "are you sure". Press adjust ▲ again to lock in the command.



Internal Filter Replacement (continued)



Boiling unit filter location

13. Scroll through the menu to “Filter Used (Days)”, press adjust ▲ to reset the timer. Press adjust ▲ and it asks “are you sure”. Press adjust ▲ again to lock in the command. After approx 10 seconds it will default to the selected mode.

14. Close the door to secure the appliance.

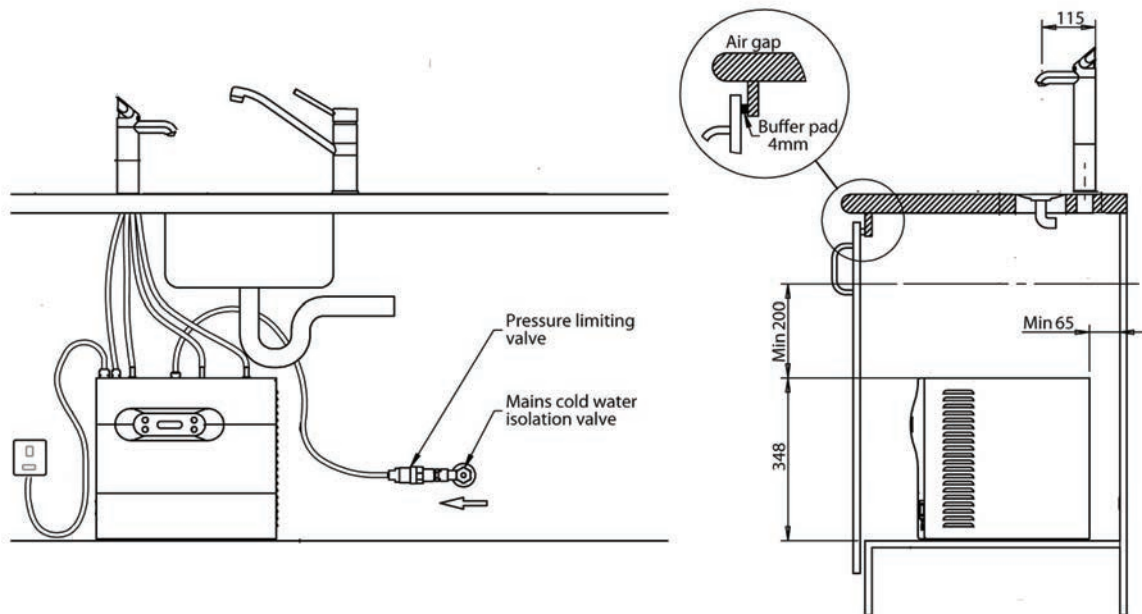
Warning: If the Zip HydroTap is switched off for a long period of time (e.g. More than a weekend), run water through the chilled water outlet for at least 5 minutes before consumption.

Trouble Shooting

Symptom	Possible Cause	Solution
No LED display, no tap head lights or, no water when tap levers are operated.	No power.	Check power supply.
	Plug is not located in power socket.	Ensure power plug is correctly fitted and switch is turned ON.
	Tap loom is not connected to HydroTap unit.	Check loom connection.
	Possible internal fault.	Contact local Zip Service Provider.
	Program in OFF cycle	Check LCD for information.
No water flow.	Water supply isolated.	Check water supply is on.
	Water supply not connected.	Check to ensure plumbing connection is made.
	Power supply not connected.	Check power plug is correctly fitted and switch is turned on.
	Tap loom is not connected to HydroTap unit.	Check for loom connection.
	Possible internal fault.	Contact local Zip Service Provider.
	Program in OFF cycle.	Check LCD for information.
Slow water recovery after use.	Filter may require replacement.	Check filter usage on LCD screen, if “filter change” is displayed follow instructions on page 16, 17 & 18.
Water not hot.	Unit is in Sleep Mode.	Touch Hot lever and wait for Red LED to stop flashing.
	Unit has just come out of OFF cycle.	Wait for Red LED to stop flashing.
	Possible internal fault.	Contact local Zip Service Provider.
Water not chilled.	Excessive use, unit refilling or chilling down to temperature.	Wait for Blue LED to stop flashing.
	Possible internal fault.	Contact local Zip Service Provider.
Alternating display messages.	More than one fault identified at the same time.	Record the number and type of faults. Contact local Zip Service Provider.

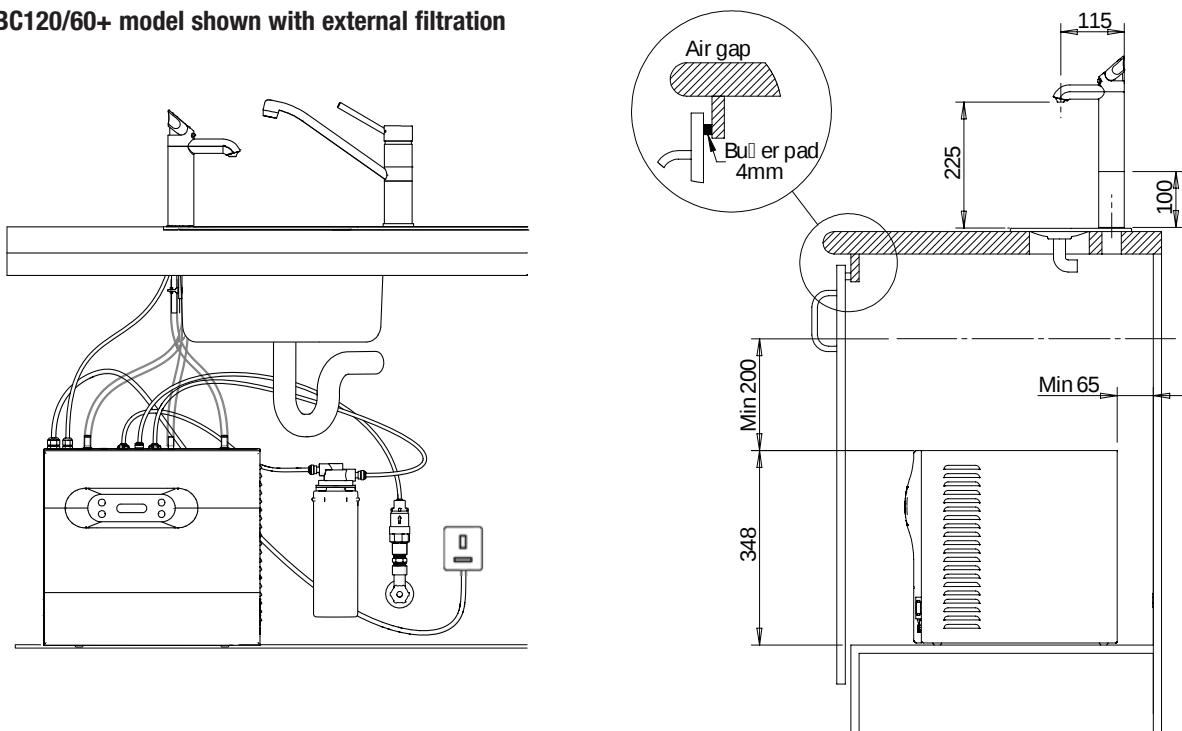
Typical Undersink Layout

BC120/60+



NOTE: If pressure is likely to exceed 0.7 MPa (7 bar), install a 0.35 MPa (3.5 bar) Pressure Limiting Valve (Supplied as standard with BC120/60+).

BC120/60+ model shown with external filtration



Cleaning

Do not use strong, corrosive spray or abrasive cleaners / chemicals.

Clean the casing, tapware, external filter, piping and all other fittings with a soft cloth and mild soap and water.

Do not spray water over the tap as it may damage the low-voltage electronics.

Caution: Should any of the plastic fittings accidentally come into contact with cleaners with a PH level less than 4, hypochlorite, hydrogen peroxide or any other aggressive chemical the affected component must be replaced immediately.

Undersink units must never be located near, or cleaned with water jets.

Notes

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 the 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 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) Ltd warrants that, should any part fail within 12 calendar months of installation, that part will be repaired or replaced free of charge by Zip or 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.

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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".

As Zip policy is one of continuous product improvement, changes to specifications may be made without prior notice. Images in this booklet have been modified and may not be true representations of the finished goods.

The standard cup referred to in this publication is 167 ml (6 fl oz).

The standard glass is 200 ml (7 fl oz).

The terms "Zip" and "HydroTap" are registered trade marks of Zip Heaters (Aust) Pty Ltd.

Zip products described in this publication are manufactured under one or more of the following patents: AU675601, AU637412, AU635979, GB0422305, GB2065848, US4354049, US5103859, US5099825 and SA2006/08043. Other patents are in force and patent applications are pending.

