

Zip HydroTap[®] G4 Celsius

Filtered, Boiling, Chilled and Chilled Sparkling drinking water
with unfiltered Hot and Cold ambient water, for commercial kitchens



Commercial models

**Affix Model Number Label
Here
802700**

Models



Model B160 / B240



Model C125 / C175



Model CS175

Index

Installation check list	4
General Product Features.....	5
Important Safety Instructions	6
Warnings and Regulatory Information.....	7
Major components and Accessories	8
Technical Specification and installation requirements	9
STEP 1 - Measure and cut all the tap holes before fitting the taps	
Section 1 - Tap Installation instructions	10-12
1.1 - Bench top hole size.....	11
1.2 - CS175 Tap connections.....	11
1.3 - B160/240 tap connections	12
1.4 - Tap installation.....	13
STEP 2 - Check for adequate ventilation	
Section 2 - Ventilation	14
2.1 - Cut out details and procedures	15-16
STEP 3 - Install the Booster heater (B240 Model)	
Section 3 - Booster.....	17
3.1 - Specification.....	18
3.2 - Installation and Removal.....	19
STEP 4 - Filter Softener (If required)	
Section 4 - Filter Installation	20
STEP 5 - Fit the CO2 Gas cylinder (CS175 model)	
Section 5 - CO2 Cylinder	21
5.1 - Connect and secure the CO2 gas cylinder	22
STEP 6 - Install the undersink unit	
Section 6 - Undersink unit installation	
6.1 - Hose fitting and clearances.....	23
6.3 - External bypass valve	24
6.4 - B160 Installation	25
6.5 - B240 Installation	26
6.5 - C125/175 Installation	27
6.6 - CS175 Installation.....	28
STEP 7- Commission the Celsius	
Section 7 - Commissioning	
7.1 - CO2 Purge (CS175 Model).....	29
7.2 - Filter flush	29-30
7.3 - Boiling Calibration (B160/240 Models).....	30
Trouble Shooting	
Trouble Shooting Table.....	31
End of life disposal.....	31
Contact details	32

Installation checklist

Before Installation:

- A. Read the instructions and check if there is adequate space to mount all of the components.
- B. Note: Not all fittings are supplied with the appliance kit. Isolation valves are not supplied.
- C. Check the mains water pressure is between 172-700kPa for B & C models or 250-700kPa for CS models or 200-700kPa when a Booster and/or external filter softner is installed.
- D. Check the water quality to determine if extra filtration will be required.
NOTE: This product must be fitted to a potable water supply
- 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: (See section 7)

- 7. Flush the supply line before connecting.
- 8. Turn on the water and check for leaks.
- 9. Flush the filters
- 10. Purge the CO₂
- 11. Where applicable, programme the unit to suit the customer's requirements.

General Product Features

Thank you for purchasing a Zip Celsius. Please read and follow these instructions carefully to ensure safe and trouble free service. If service is required, please call 1800 638 633

What is the Zip Celsius ?

The Zip Celsius is a conventional flick mixer tap that dispenses, Boiling or Chilled still and Chilled Sparkling water from the same outlet. The Celsius units are under bench drinking water appliances with a dispensing tap mounted on a kitchen sink or bench. These units utilise a conventional refrigerant compressor to chill the water and a CO₂ gas cylinder to carbonate the chilled water. The Celsius taps will dispense Boiling or Chilled and Chilled Sparkling water using a rotating handle and deliver a mix of Hot and Cold ambient water through a conventional mixer lever.

The water filter and CO₂ gas cylinder are disposable items which will require periodic replacement and are covered by a limited OEM warranty.

It is important that the Installation be done safely, correctly and completely, in order to utilise all the benefits the Celsius can provide.

CS175- under bench unit



Important Safety Instructions

This manual contains important safety, Installation instructions for the Zip Celsius.

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.



For products sold in Europe, this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Refrigerant

The Zip Celsius unit 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 condensed droplets may discharge through a vent outlet at the tap. If the tap is not installed using the Font pedestal, ensure the tap body is located so the tap outlet safely dispenses into the sink bowl area.

Lifting

Take care when lifting the Zip Celsius unit. Some units may exceed safe lifting limits. 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. Do not lift the unit by the front cover or any connections at the top rear of the unit. Refer to the technical specification for the weight of your product.

Airflow

The ambient operating temperatures, when installed in a cupboard, must be between 5°C - 35°C. The system will operate satisfactorily only if proper air ventilation is provided and only if the recommended air gaps of 50mm on each side are provided. See section 2 for correct Installation details.

Frost Protection

If this appliance is located where the ambient air temperature could fall below 5°C when the unit 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 undersink unit is positioned in an accessible area close to the floor level. The unit must have it's base mounted in a horizontal position with all inlets and outlets facing up. The Tap must be located above the undersink unit. See section 4 for details.

Important Safety Instructions

WARNINGS






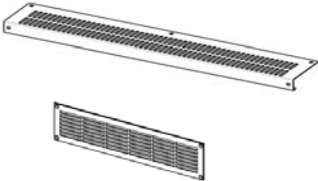

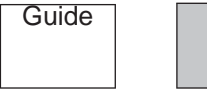

1. The Zip Celsius unit must be earthed. The resistance of the earth connection from each exposed metal part must be less than 1 ohm.
2. All Installation and service work must be completed by trained and suitably qualified Tradespeople. Faulty operation due to unqualified persons working on this product, or any other Zip product may void warranty coverage.
3. All Plumbing must comply with AS/NZS3500.
4. All Electrical must comply with AS/NZS3000
5. All Plumbing and Electrical connections must be made in accordance with local regulations.
6. This product is rated for 230V 50Hz AC operation.
7. Undersink units must never be located near, or cleaned with water jets.
8. Zip appliances are not to be exposed to the elements of nature
9. Due to the process of continuous improvement, Zip Heaters reserves the right to change details mentioned in this manual, without notice.



CO₂ Cylinder Warnings:



- Pressurised container.
- Protect from sunlight.
- Contains gas under pressure, may explode if heated.
- Do not expose to temperatures exceeding 50°C.
- Do not pierce or burn, even after use.
- Do not refill – non rechargeable
- Ensure cylinder is empty before disposal.
- Do not expose to naked flame or any incandescent material.
- Keep out of reach of children.
- High concentration of gas may cause asphyxiation.
- Use only in ventilated areas.
- Store in an area with a volume no less than 50 cubic meters.
- Use only in an upright position.
- This bottle must be used with the approved pressure regulator.
- Avoid shock.
- Use according to MSDS. (Material Safety Data Sheet).

Major components and accessories

Parts supplied	Description
	1 off Tap with hoses
	1 off Undersink Unit with air and water filters
	1 off Mains water connection hose
	Vent Kit 1 x Inlet vent 1 x Outlet vent 9 x Screws
	1 x Tee piece for ambient water supply
	1 x User guide and 1 x Quick start guide
	1 off CO ₂ gas cylinder and regulator assy

Accessories	Description
	Replacement CO ₂ Gas Cylinder
	Replacement Filter

Technical Specifications

Model	Cups of Boiling Water per Hour	Glasses of Chilled Water per Hour
B	160	NA
C	NA	125

Commercial Models	
B	Boiling + Mains Mixed water
C	Chilled + Mains Mixed water
CS	Chilled Sparkling + Mains Mixed water

1. The Cup measurement = 167ml and the Glass measurement = 200ml
2. Chilled water will continue to be dispensed after the rated capacity has been used, although this may be at slightly higher temperature.

Product covered by these instructions:

	Capacity Boiling (cups)	Capacity Chilled (glasses)	Boost (10A)	GPO's Required	Power Rating (kW)	Boost Rating (kW)	Unit Dimensions W x D x H (mm) with airduct	Dry Weight (Kg)
Boiling Only								
B160	160	NA	no	1x10A	1.9	NA	280 x 313 x 335	8
B240	240	NA	yes	2x10A	1.9	2.2	280 x 313 x 335	8
Chilled Only								
C125	NA	125	no	1x10A	0.175	NA	336 x 476 x 335	20
C175	NA	175	no	1x10A	0.300	NA	336 x 476 x 335	20
Chilled Sparkling								
CS175	NA	175	no	1x10A	0.450	NA	336 x 476 x 335	26

Before installing ensure the following are provided at the Installation site:

- Review all the technical specifications.
- Ensure the underbench can support the product weight when full of water
- Sufficient space in the cupboard to install all of the undersink units in accordance with these Installation Instructions. Refer to technical specification for dimensions. Refer to section 3 & 4, for Installation instructions.
- For all models, a 220-240Vac, 10A GPO will be required.

NOTE: Check all cable and hose lengths against inlet /outlet positions before proceeding (See section 4 for general layout).

- A potable water supply connection with isolating valve inside the cupboard within reach of the braided hoses and positioned so that the connection point and the stop cock will not be obstructed when the undersink units are installed.
- If an external filtration or water softening device is required, then it is important to allow extra space for these items.
- A cold water supply with a minimum working pressure of 172kPa (for B&C), 200kPa (with a Booster and /or filter softener), 250kPa (for CS) and a maximum working pressure of 700kPa connected via an isolation valve.
- The appliance must be placed with it's base in a horizontal position.

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

Section 1

Tap Installation

Special Tools Required:

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

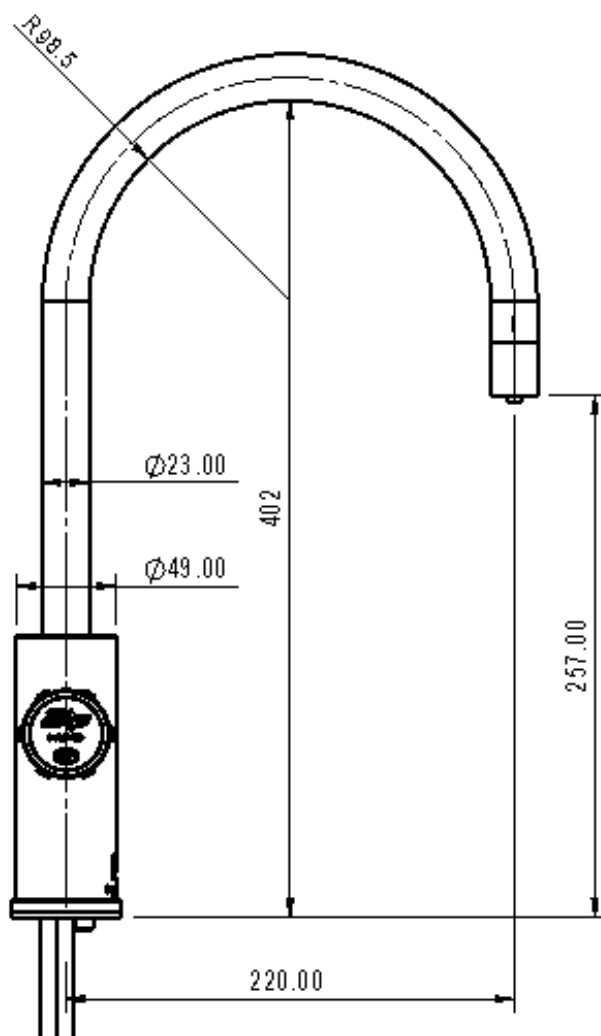
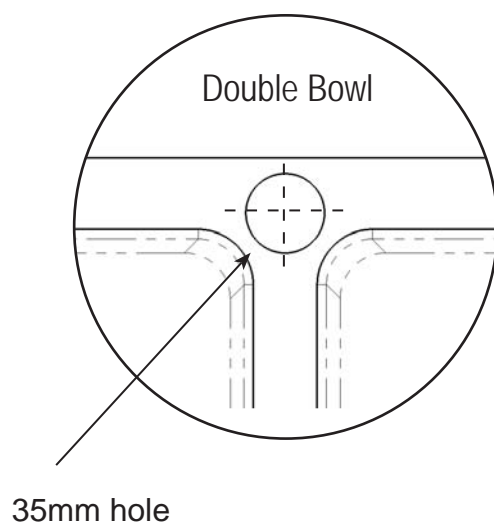
- 35mm diameter sheet metal hole punch for sink tops. (Not supplied)
- 35mm diameter hole saw for timber bench tops. (Not supplied)
- 42mm AF tube spanner or wrench (Not supplied) for fixing tap assembly.



NOTE: Taps are available with ARC or CUBE neck options.

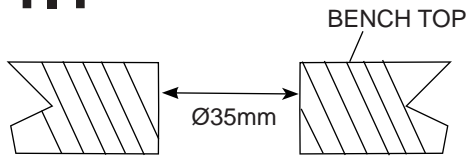
Hole positioning:

Position the tap such that it dispenses into the sink bowl.



CS175 Tap connections

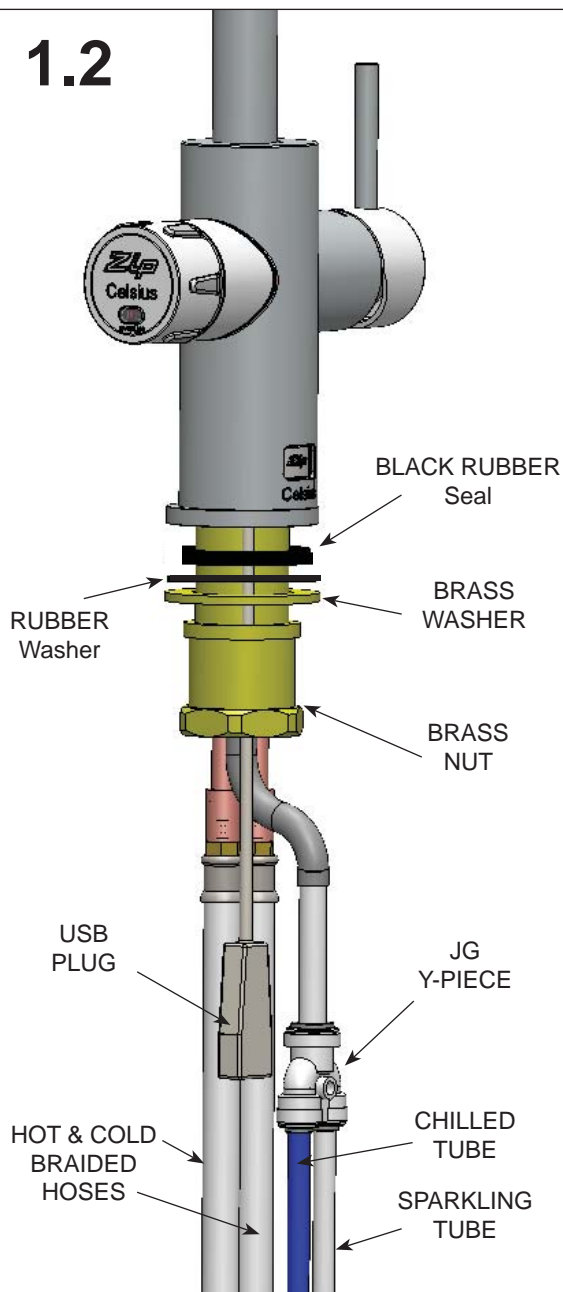
1.1



Cut a 35mm hole in the bench / sink top.

Chilled Sparkling Tap components

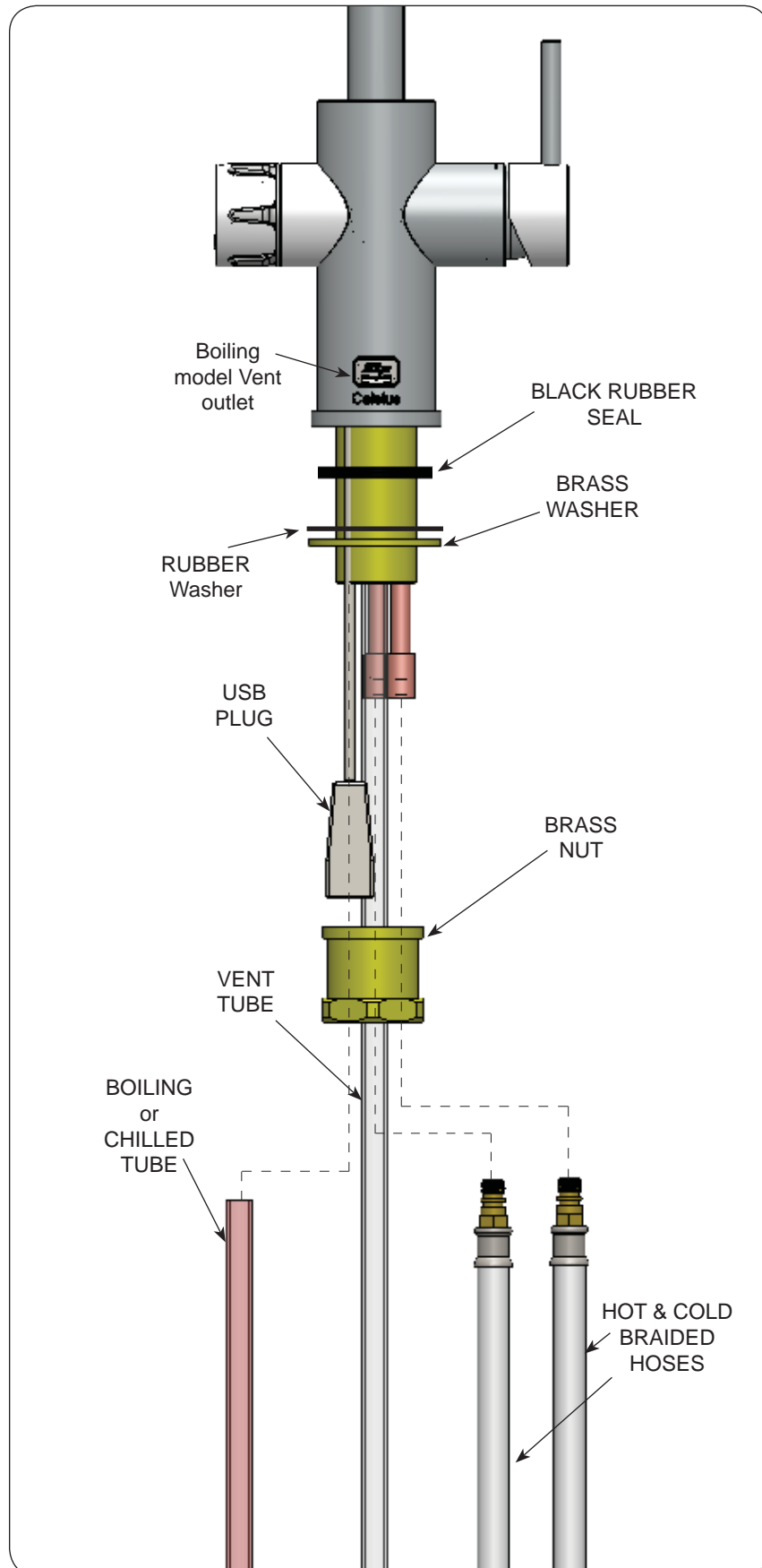
1.2



Note: Trim all plastic tubes to minimise any dead leg of water.



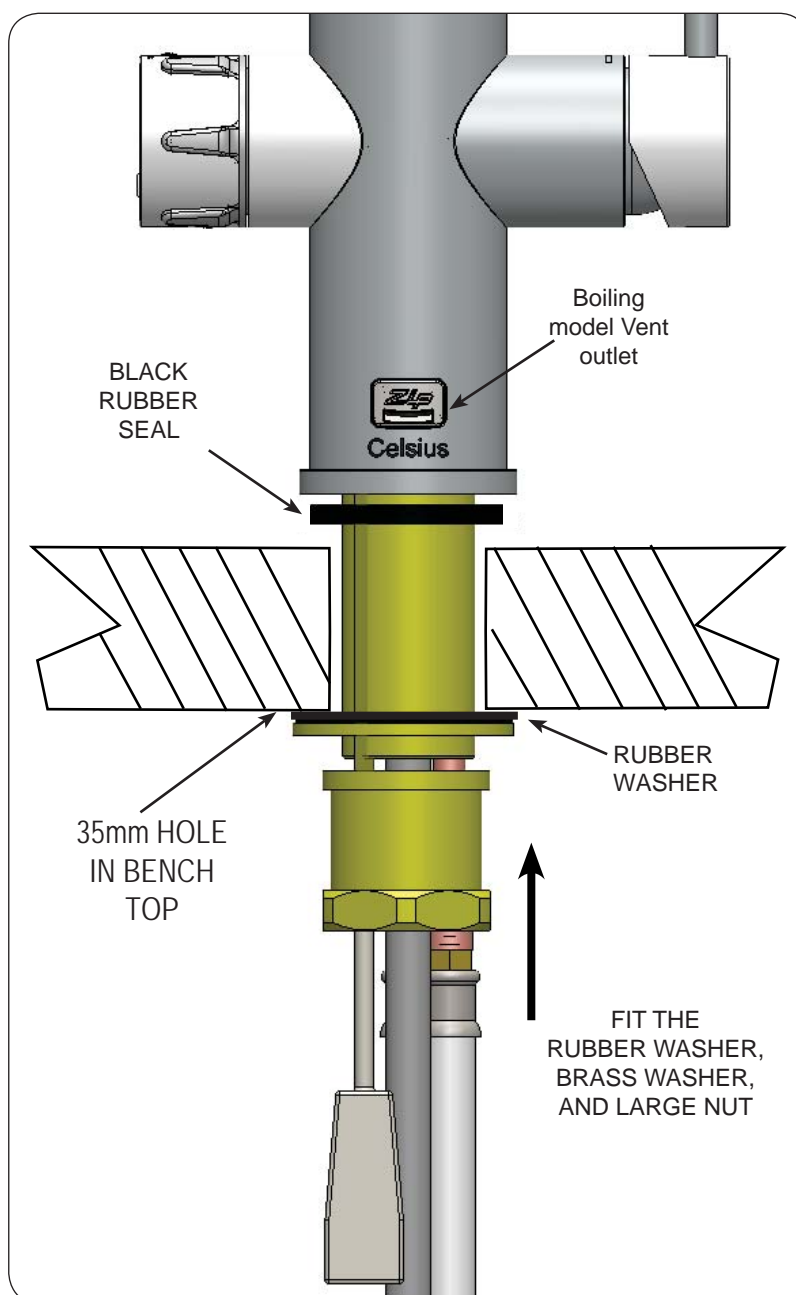
1.3



Tap Installation

1.4

- Pass all the hoses, tubes and USB lead through the 35mm hole.
- Ensure the black rubber seal is correctly positioned to give a water tight seal



Secure the rubber & brass washers and large nut from inside the cupboard space, as shown above.

Section 2

Ventilation

When installing air flow ducts, the following tools will be required:

- Jigsaw and 12mm Drill
- Keyhole or Wall Board saw.

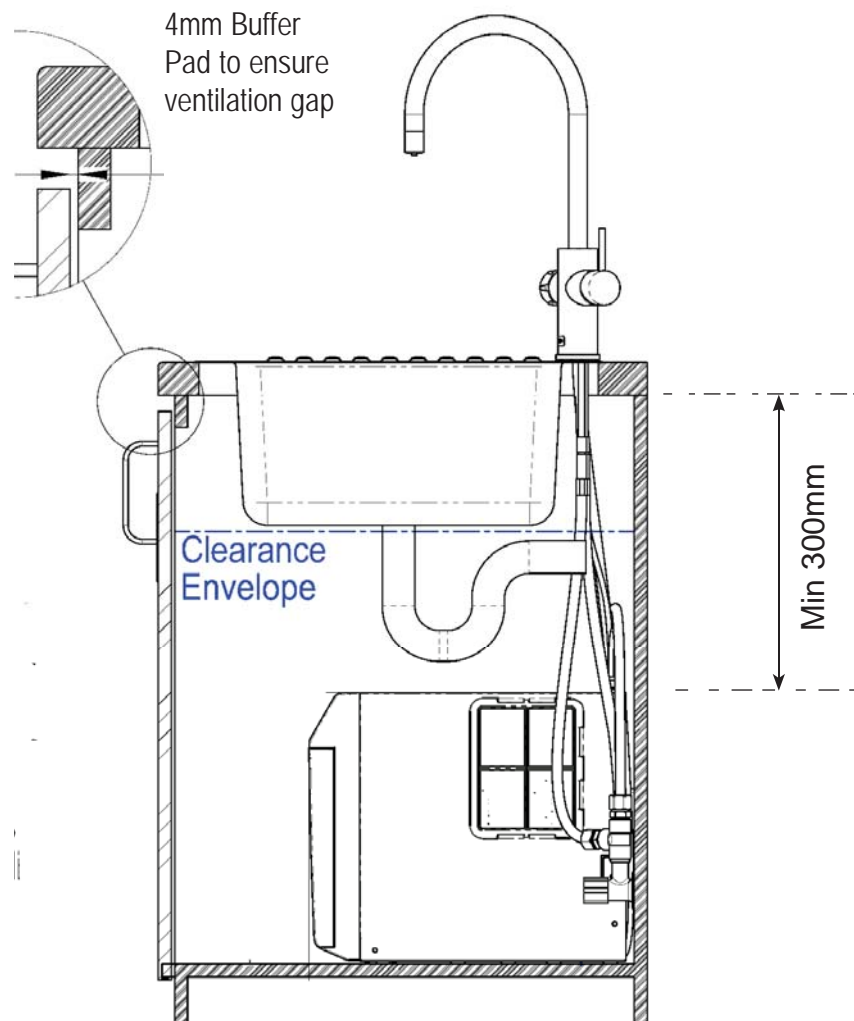
2.1 Ventilation for Boiling Models

Proper air circulation must be provided for all models. The system will operate correctly only if the recommended air gaps are achieved during installation. The minimum requirement is for a 50mm air gap either side and 300mm above of the undersink unit.

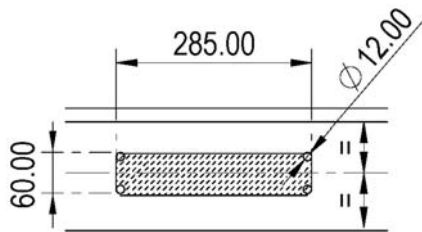
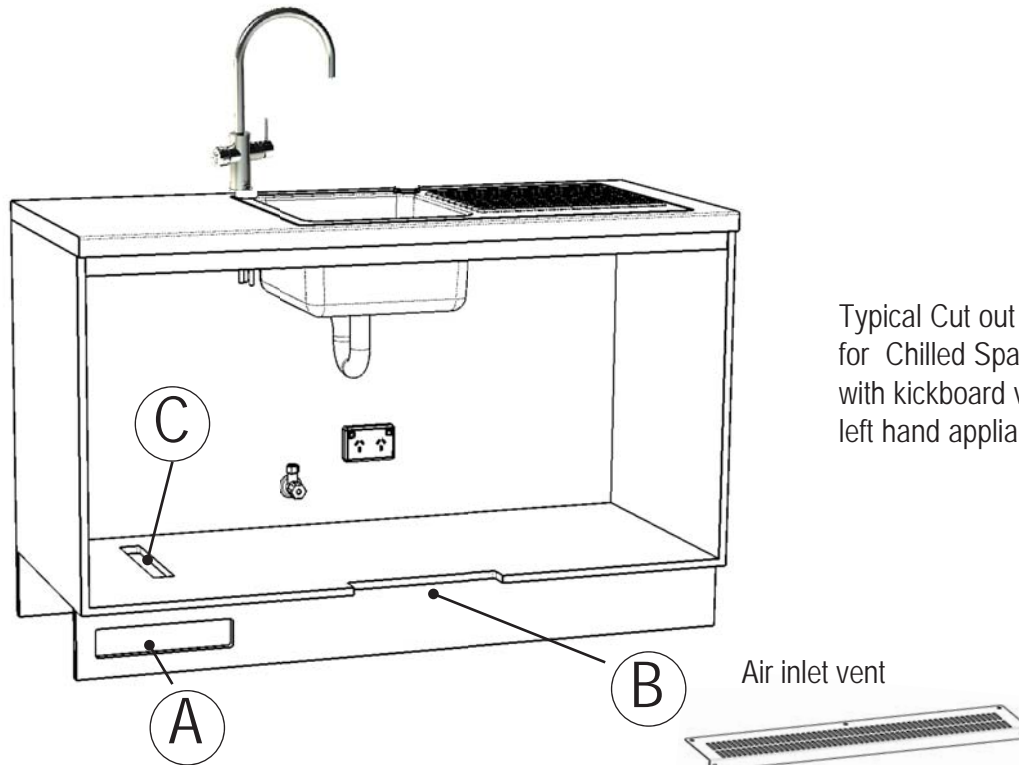
It is important that the 4mm door buffers (For all installations) are fitted to the inside edge of the cupboard door to allow sufficient air circulation inside the cupboard. (See the diagram below).



IMPORTANT: See section 6 for clearances.

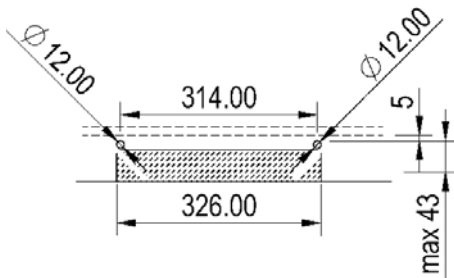


2.2 Standard ventilation for Chilled and Chilled Sparkling models



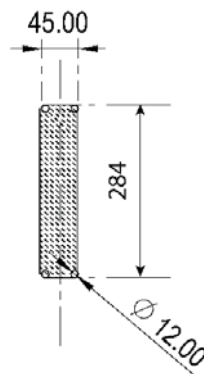
A - Kickboard cutout

1. Drill 4 pilot holes 12mm dia in corners
2. Finish cutout using a Jigsaw and Kethole or Wall board saw



B - Cabinet floor cutout

1. Drill two pilot holes 12mm dia.
2. Finish cutout using a Jigsaw



C - Cabinet floor cutout

1. Drill 4 pilot holes 12mm dia in corners
2. Finish cutout using a Jigsaw and Kethole or Wall board saw

Alternative Ventilation Options

2.3 When standard ventilation cannot be used, the following instructions are critical if there is insufficient cupboard air circulation.

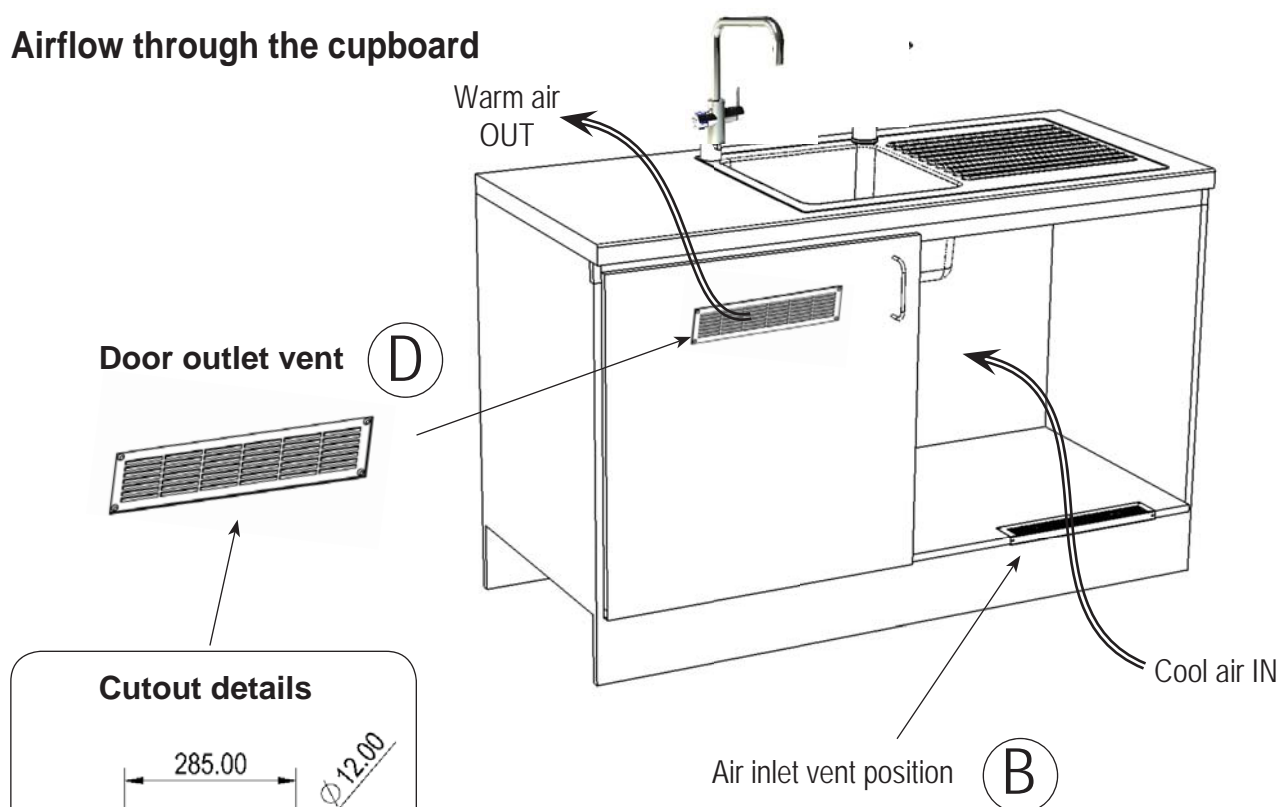
For low use applications, or when ventilation through a kickboard is not possible and the cupboard space temperature is near 35°C, or higher. An inlet vent (See Item B below) and door vent (See item D below) with silicon door buffers (See section 2.1), will need to be fitted.



Note: The vent kit has to be installed in a way that allows air to be drawn in from the bottom of the cupboard and expelled through the top of the cupboard. Therefore placement of the outlet vent should be towards the top of the door or on the side of the cupboard.

For high use applications, a fan kit may be installed, using the AUX din plug on the right hand side of the appliance (Contact your local service centre for availability).

Airflow through the cupboard



2.4 Typical Cut out procedure for (B) (D)

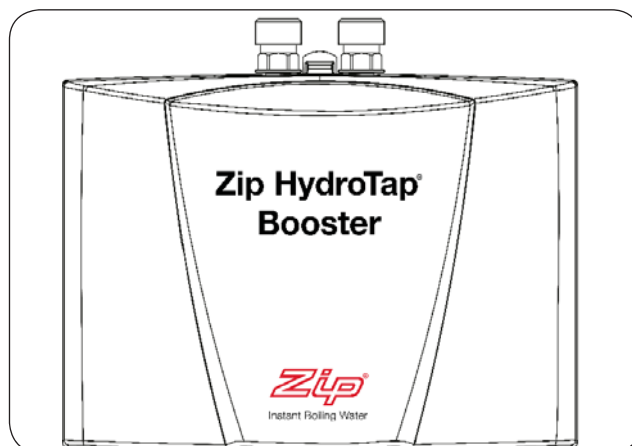
1. Mark out and cut the air inlet and door outlet holes as shown
2. Ensure the air inlet vent and air outlet vent are positioned at opposite ends of the same cupboard space.
3. Fit the inlet vent, as shown and secure with 5 screws
4. If required, fit the outlet vent, as shown in the hottest part (top) of the cupboard and secure with 4 screws

Section 3

Booster Heater (B240)

3.1 Product Description

The boost unit is a compact electronically controlled auxiliary water heater. It is intended to provide pre heating of water before it enters the Zip HydroTap G4 boiling tank. The Booster is supplied as standard equipment with all 240 cup models. However, it may be later installed, as an accessory for the 160 cup models, to increase their delivery to 240 cups.



Note 1: water connection

:Blue marking - water in

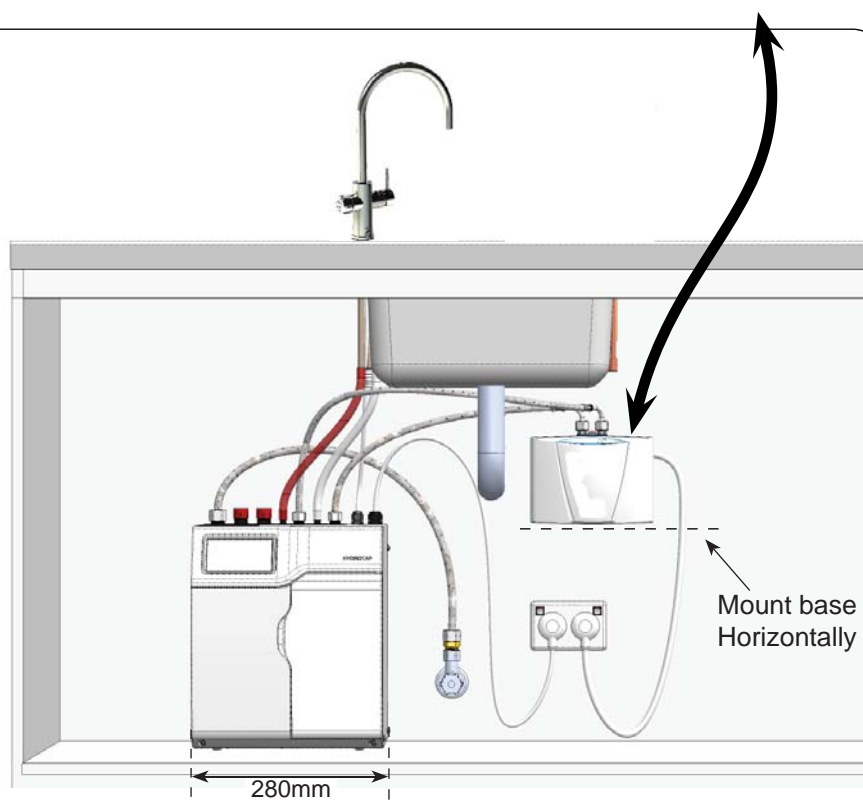
:Red marking - water out.

The braided hoses cannot be lengthened.

Note 2: The electrical cable length is 1.0 metre.

Note 3: Position the Booster within reach of the fixed hose lengths, keeping the Booster as close as possible to the undersink unit inlet/ outlet fittings.

Note 4: Ensure the Booster heater is mounted in an upright position (as shown) with a horizontal base



Booster Specifications:

	Rating	Unit
Nominal Power Rating	2.2	kW
Nominal Current	10	A
Electric Supply 50Hz AC	230	V
Elect flex and plug (black) - 1 meter length (with 90° Australian plug)	10	A
Fixed Flow Rate	1.2	L/min
Minimum inlet pressure	200	kPa

3.2 Installation Procedure

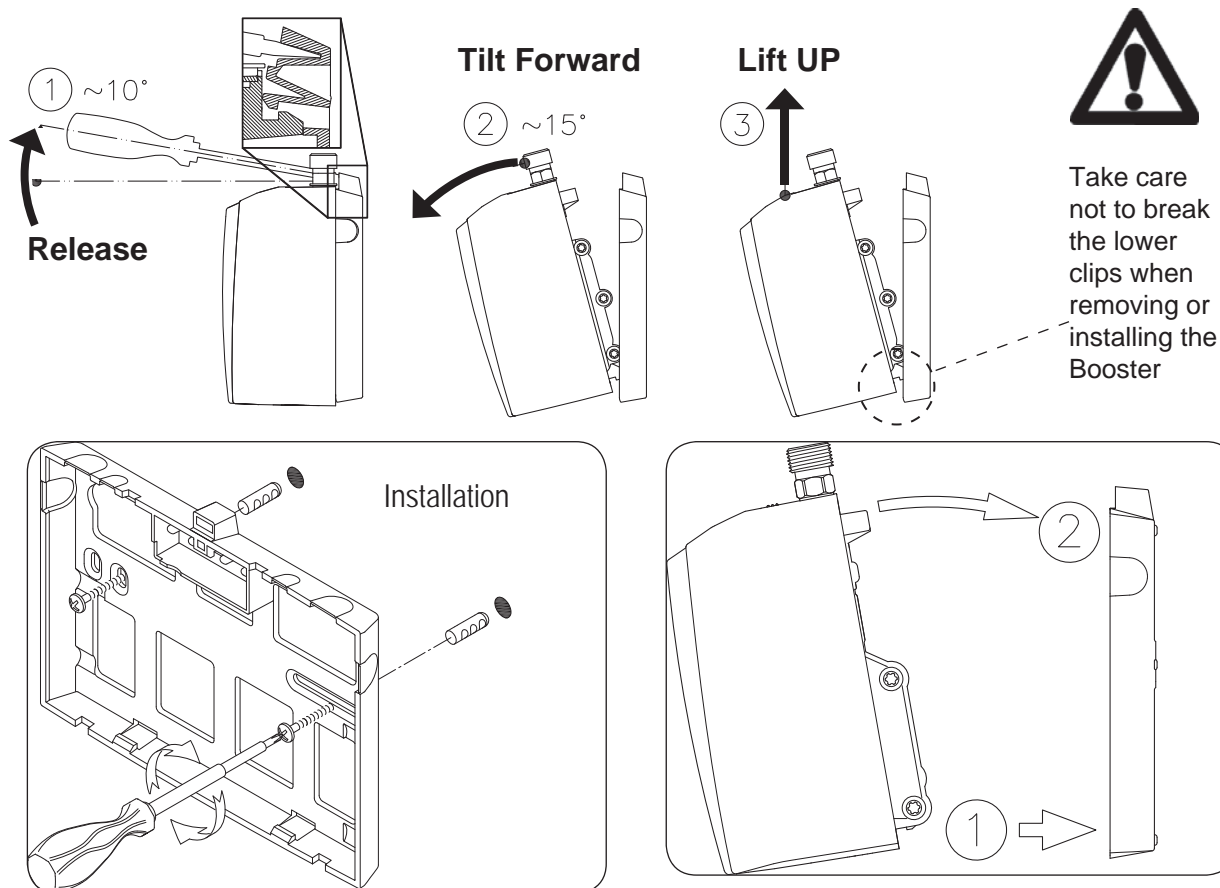
Site requirements


- Appliance must only be installed in a frost-free area. Never expose appliance to frost.
- The Appliance is designed for wall mounted Installation and must to be installed with water connectors facing upwards.
- The appliance complies with protection class IP 25.
- The 400mm braided hoses supplied with the unit 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 To Remove / Install the appliance

1. Insert a flat head screwdriver all the way into the lock.
2. Gently angle the screwdriver upwards by approximately 10° as shown in the image below.
3. Pull the appliance forwards by approximately 15° as shown.
4. Carefully pull the appliance upwards to complete the removal process. Taking care not to break the lower clips
5. To install; Place the appliance on the wall bracket and snap into position (See installation below).

 **Note:** Remove the backing plate for wall mounting

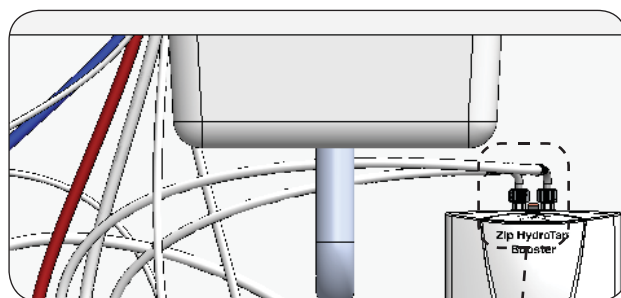
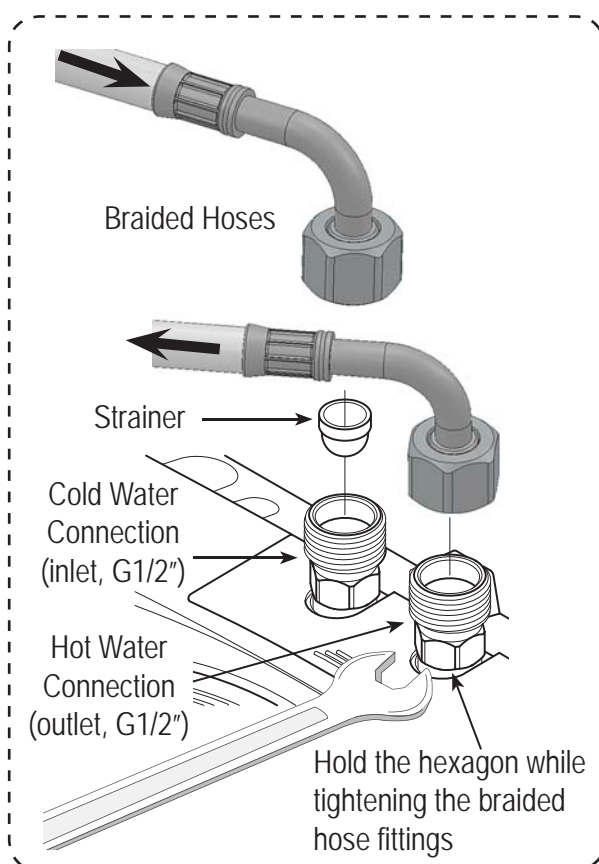


-  **Note 1:** This appliance is intended for use with the Zip HydroTap under sink unit.
- Note 2:** Water connections must be pointing vertically upwards.
- Note 3:** The booster unit should be installed as close as possible to the Zip HydroTap Unit as the 400mm connection hoses cannot be lengthened.

3.4 Braided hose connections

1. The cold water inlet (blue) and hot water outlet (red) are marked on the rating plate. Connect the braided hoses from the 'Bypass Out' fitting on the Zip HydroTap, to the water inlet of the booster unit (Marked Blue) and from the outlet of the booster unit (Marked Red) to the 'Bypass IN' fitting on the Zip HydroTap unit. Avoid exerting any mechanical pressure on the appliance. This can be achieved by applying a spanner on the flats of the inlet and outlet connections when tightening the braided hose connectors. Do not overtighten ! Tighten the braided hoses by hand, then turn an additional 90° - 180° with a spanner
2. Once the water connections have been made, check for any leaks and rectify as necessary.

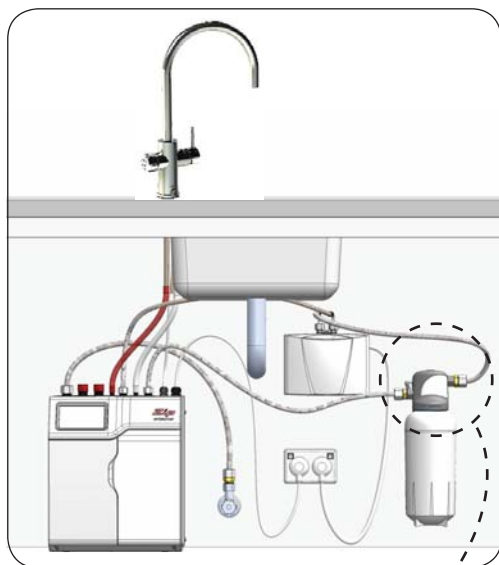
Typical Installation



Section 4

Filter / Softener Option

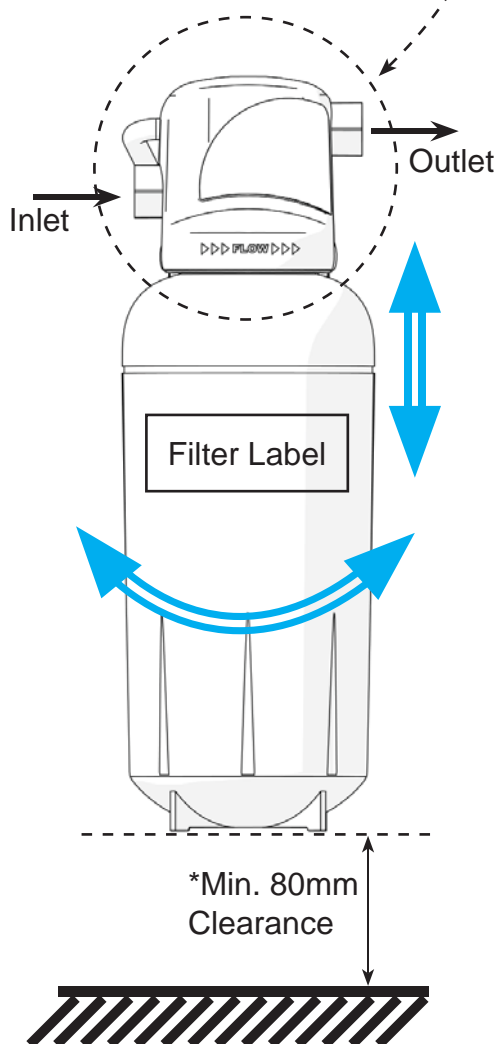
As an optional accessory, an external filter / Softener may be fitted to reduce the incidence of scale build up in the hot tank.



4.1 Mounting the filter head

- Choose a suitable location, (cupboard back or side wall) within the reach of the braided hoses.
- Mount the filter head bracket in an upright position, using the screws supplied in the kit
- Ensure there is enough headroom for the filter cartridge to be easily fitted and removed. *Allow a Min 80mm base clearance
- Attach the hoses as shown in section 6. Noting the flow directions as marked on the filter head.

4.2 Cartridge Installation



1. Unpack replacement cartridge, write today's date where shown on the label and remove the sanitary cap.
2. Avoid touching the filter O-rings and filter opening as this may cause bacterial contamination of the cartridge.
3. Moisten the O-rings with water, align the front cartridge label to the left and push the new cartridge into the filter head.
4. Turn the cartridge a quarter turn to the right until the cartridge comes to a complete stop, with the front label facing forward.
5. Disconnect the filter outlet hose from the undersink unit and direct the hose end into a container ready for flushing.
6. Turn the power and water ON and depress the tap's Boiling lever and allow water to run for 30 seconds to flush the tank.
7. Allow at least 10L to flow through the filter to ensure all carbon particles have been flushed.
8. Turn the power and water off (after flushing 10L).
9. Reconnect the filter outlet hose to the undersink unit.
10. Turn the water supply back on and check for leaks.
11. Set the appropriate selection on the Internal Filter Bypass valve located at the rear of the unit in accordance with Section 6.3.

Section 5

2.640 KG - CO₂ Cylinder



STORAGE WARNING:

A CO₂ gas cylinder of 2.640kg must be installed in an open plan area or in an enclosed room, with a volume no less than 50m³. If more than 1 gas cylinder containing CO₂ is present within the same location, the recommended ventilated area should be in proportion to the number of gas cylinders stored in that location.

A ventilated area is a non-enclosed area which could include the kitchen, living room etc.

See gas bottle and MSDS sheet for a complete list of warnings. (See: www.zipindustries.com)

5.1 Secure the cylinder cradle

After removing all packing material, mark out the cradle location, on a suitable wall, within 1 metre of the unit. Make sure the gas bottle, regulator and cradle assembly can comfortably fit, with sufficient clearances, before securing the cradle inside the cupboard. Due to regulatory requirements the gas bottle must be stored securely and in an upright position. Secure the bottle with the hook-and-loopstraps provided.

5.2 Connect the regulator:

After removing all packing material, fit the regulator to the gas bottle as shown in the diagrams. Ensure the plastic seal is fitted securely inside the large chrome nut, before attaching to the gas bottle. If the plastic seal is not an easy fit over the spigot, soak it in hot water, before re-applying. Do not force the seal to fit.

Turn the regulator OFF by rotating the regulator knob, all the way out, in an anti-clockwise direction.

NOTE: Two plastic seals are supplied with a new regulator. Only one is required, the other is supplied as a spare part.



5.3 Connect the gas hose:

Connect the braided gas hose to the top of the underbench unit via the John Guest fitting marked 'Gas IN'. Then connect the threaded end to the regulator (Do not lose the small sealing olive). To turn the gas ON, rotate the black knob on top of the cylinder, anti-clockwise. Then adjust the outlet pressure, by rotating the regulator knob in a clockwise direction, to between 2.7- 3.0 bar (green zone)

NOTE: The arrow should sit in the green zone of the regulator gauge; it should not fall in the red or yellow sections.



5.4 Test for gas leaks:

Using soapy water perform a leak test. Apply the soapy water to the two gas connections using a sponge or brush. If any bubbles appear and grow, there is a gas leak at the connection. Clean away the soapy residue and tighten or refit the leaking connection. Make sure the gas is turned off when tightening or refitting the leaking connection.

Refit the gas bottle into the cradle and secure with the Hook-and-loopstrap. Ensure the bottle is in an upright position.

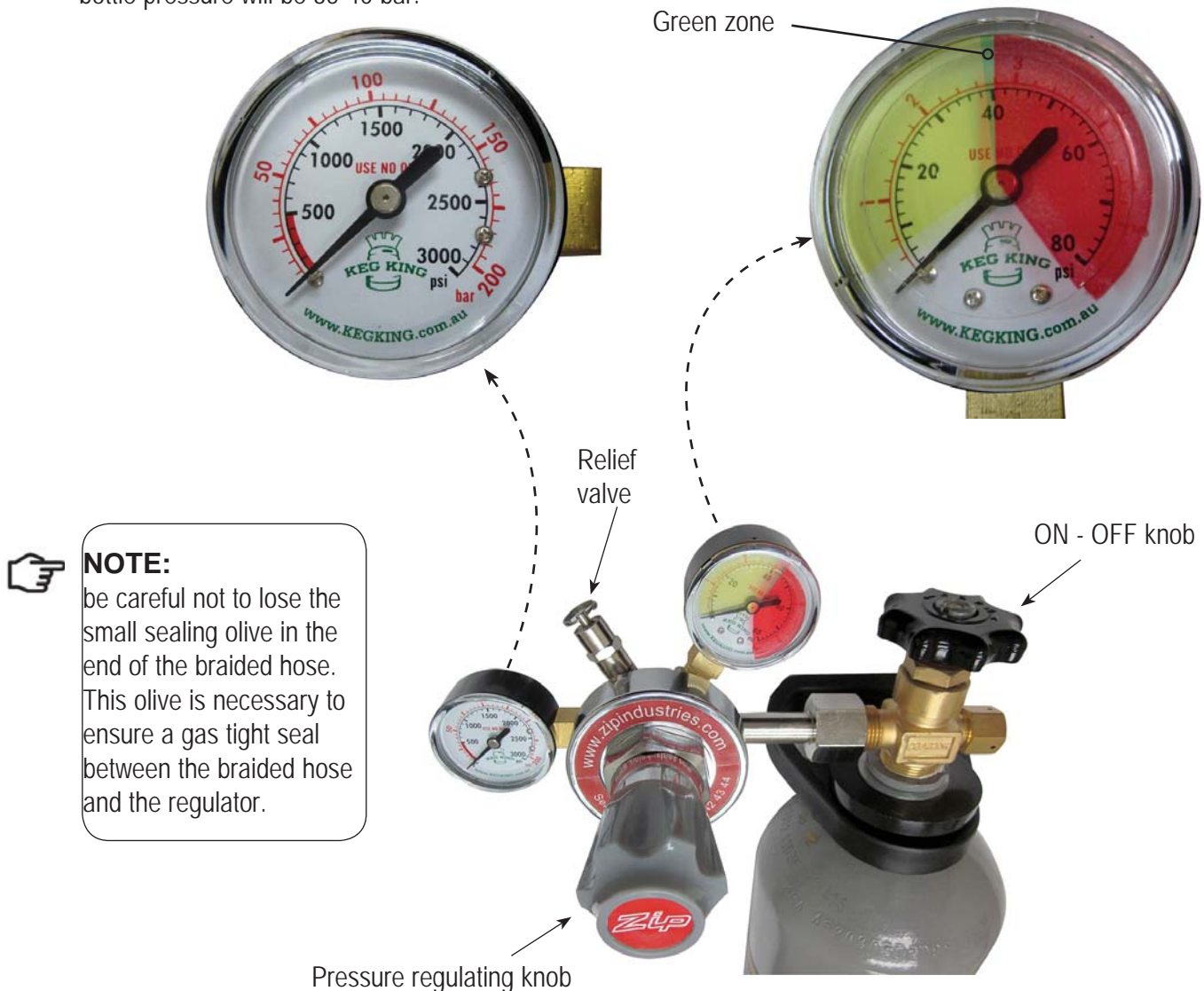


NOTE: Care must be taken when working with high pressure carbon dioxide, and in no cases should the normal operating pressure of between 2.7- 3.0bar be exceeded.

CO₂ Regulator

This gauge shows the pressure in the bottle and indicates when the bottle is empty. Initial bottle pressure will be 35-40 bar.

This gauge shows the adjustable limit (2.7- 3.0 bar) required for the HydroTap to function correctly



5.5 - Leak Test

After replacing a bottle or after making a gas connection, perform a Leak Test:

Stage1:

1. Turn the gas OFF
2. Using soapy water applied with a sponge, or with a brush, cover all of the gas joints with a liberal amount of suds.

Stage 2:

1. Turn ON the gas
2. Adjust the pressure to between 2.7- 3.0 bar
3. Inspect the joint for leaks
4. If any bubbles appear, the joint will need to be resealed.



Section 6

Undersink Unit Installation

6.1 Hose fitting

Install the mains water braided hoses to the undersink unit before locating the unit in place.

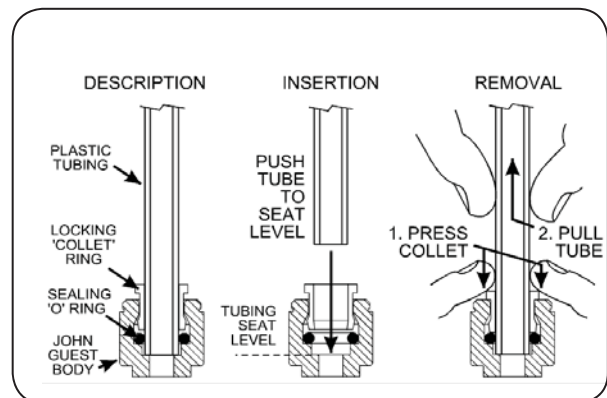
Note: The tube lengths are matched to the pumps performance and therefore CANNOT be lengthened

Note: Insulate the Blue and White tubes after trimming to length

John Guest fittings (Insertion and removal)

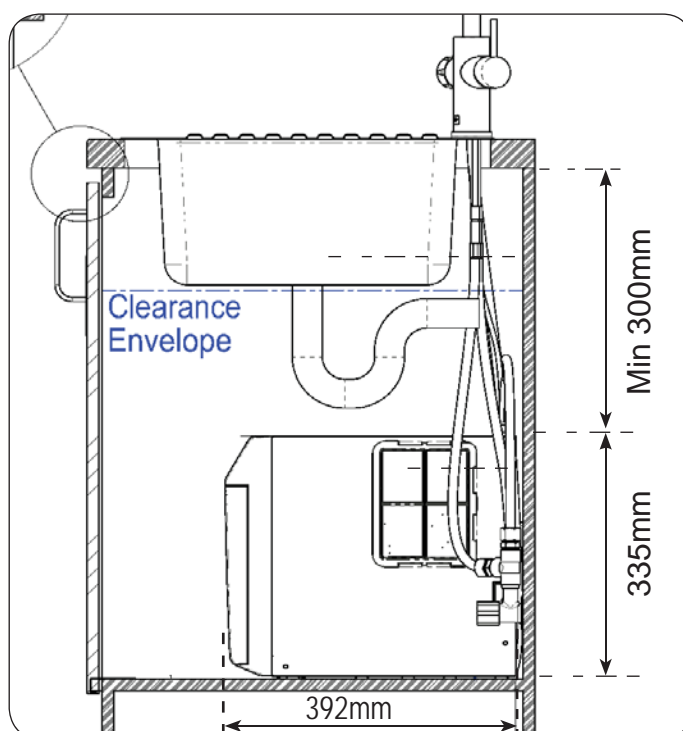
Be careful when cutting the poly tube so that there are no rough edges and that the tube is not distorted.

1. Use a sharp knife to ensure the tube has a clean, straight edge. Do not cut at an angle.
2. Remove any swarf or unwanted material.
3. Push the tube into the John Guest fitting making sure all connections to the John Guest fittings are pushed in past the "O"ring to full depth, at least 15-16mm.
4. Check for a good joint by pulling back on the tube. If the tube comes out, of the fitting, repeat the above step.
5. To remove the tube, press the collet into the fitting and at the same time pull back on the tube.



Common kitchen layout

6.2 Clearances

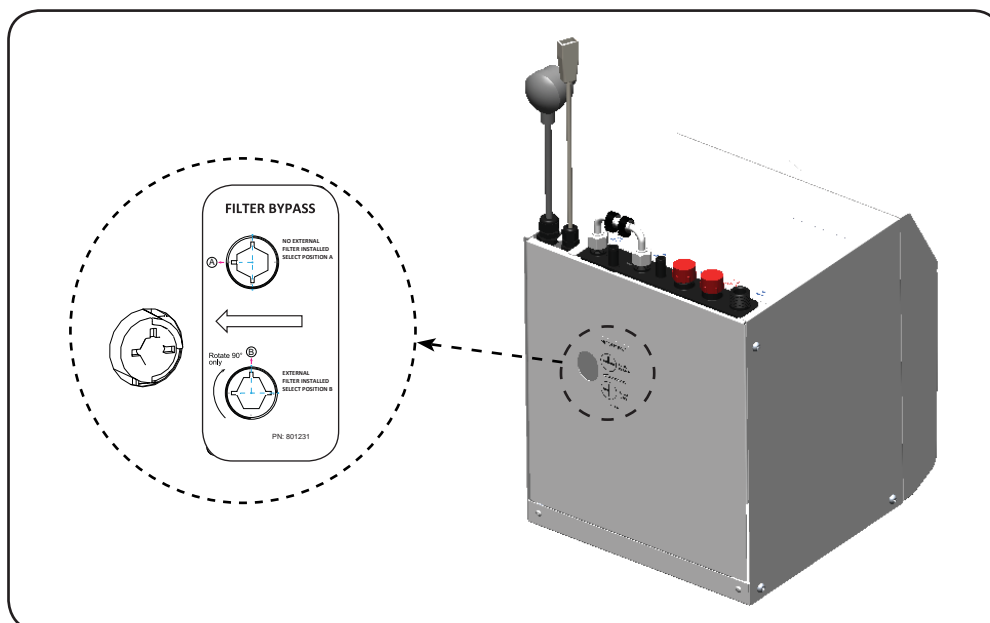


Installation

Note: Before you install a unit, determine whether a water softener or an external filter is required.

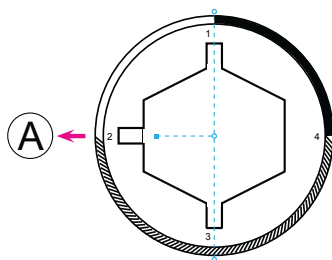
6.3 External Bypass Valve (B160 and B240 models)

The diverter bypass valve allows the user to choose to have the boiling feed water bypass the internal filter and only be filtered by the external filtration. This diverter valve is located at the rear panel of the undersink unit on the filter door side, see the image below.

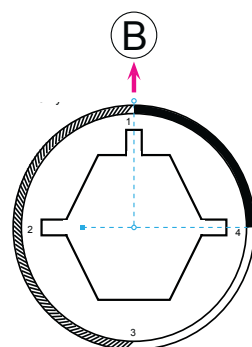


Check the table below to determine which filter bypass position you need for your product.

If no external filter is installed, select position A



If an external filter is installed, select position B



Hose and tube fitting. (Do not overtighten)

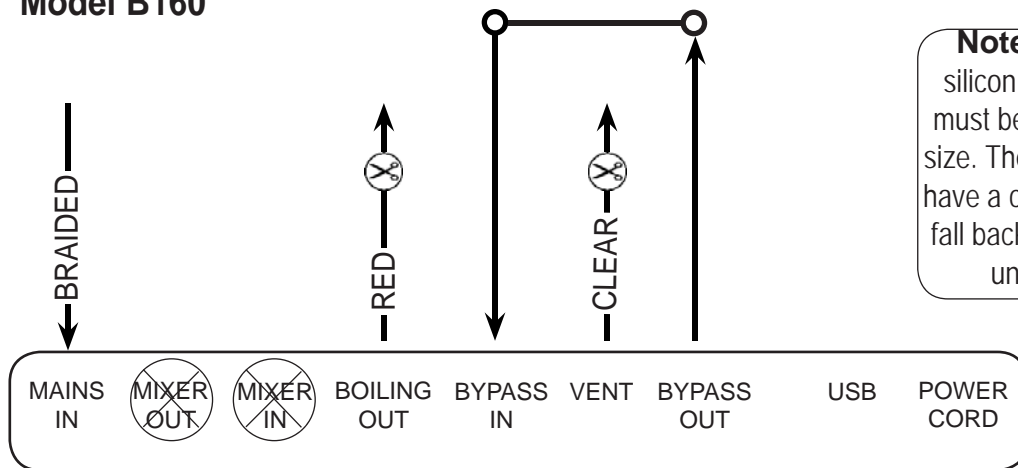
- Remove all caps from the top of the undersink unit.
- Fit the foam insulation to the Blue tube after trimming to length.
- Install the mains water braided hoses to the undersink unit before locating the unit in place.

Installation Instructions

6.4 Model B160



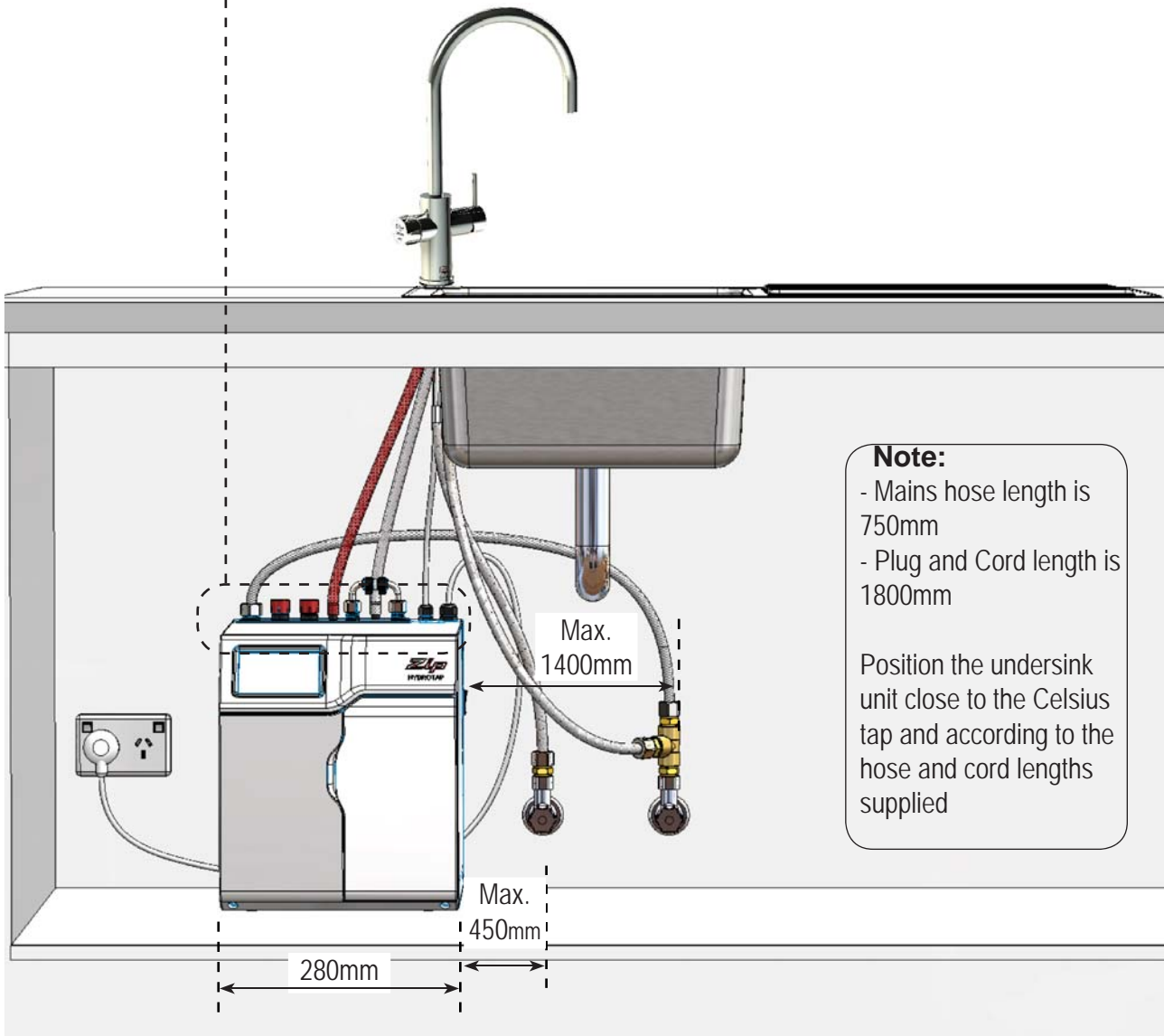
Note: All silicon tubes must be cut to size. They must have a constant fall back to the unit.



Note:

- Mains hose length is 750mm
- Plug and Cord length is 1800mm

Position the undersink unit close to the Celsius tap and according to the hose and cord lengths supplied



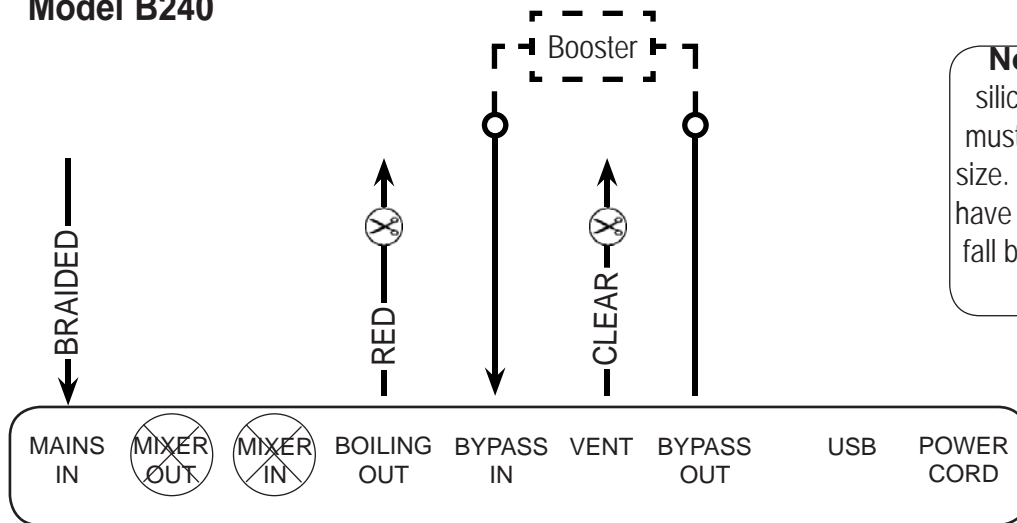
Note: The tube lengths are matched to the pumps performance and therefore CANNOT be lengthened



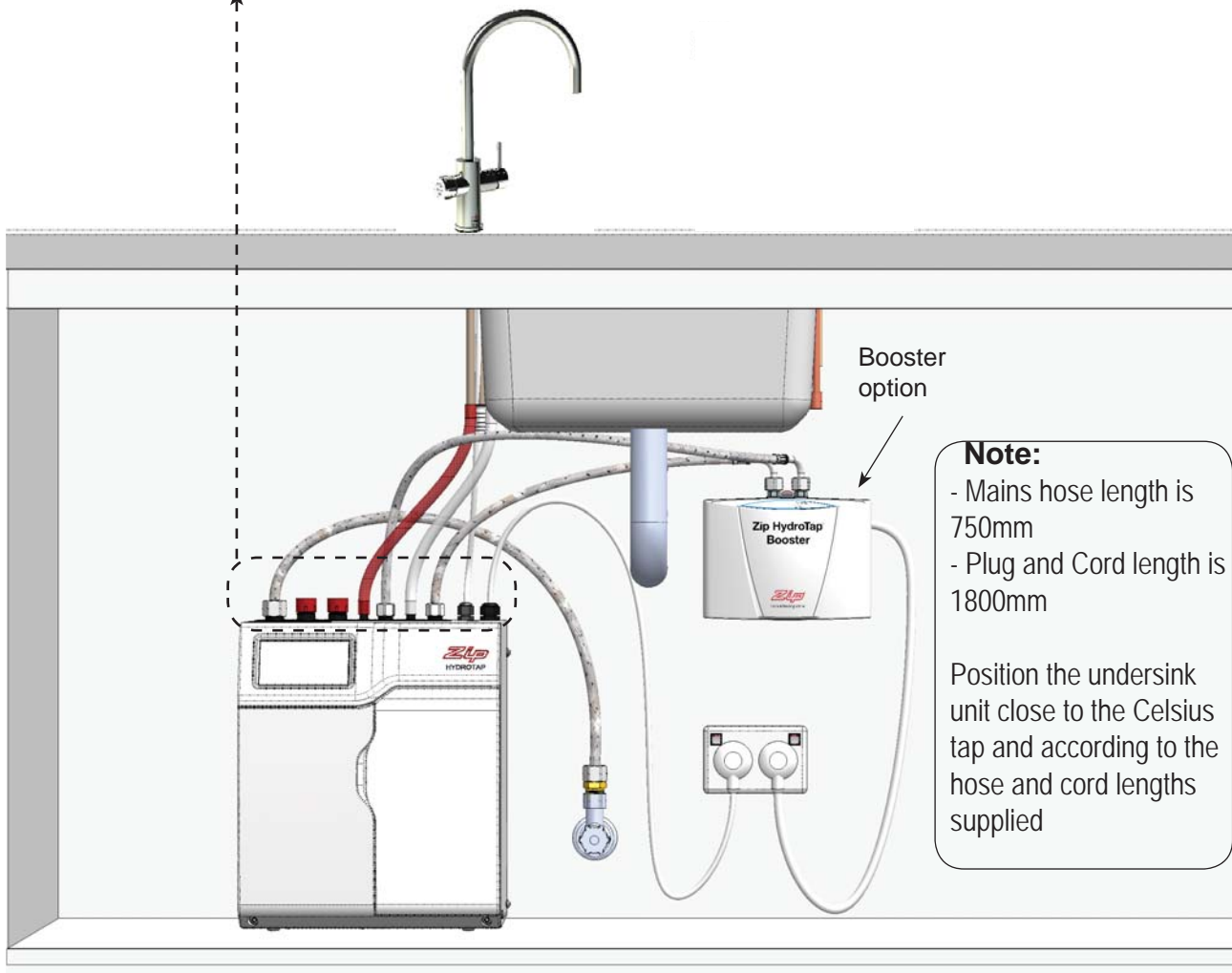
: Not required for B160 HydroTap.

Installation Instructions

6.5 Model B240



Note: All silicon tubes must be cut to size. They must have a constant fall back to the unit.



Note:

- Mains hose length is 750mm
- Plug and Cord length is 1800mm

Position the undersink unit close to the Celsius tap and according to the hose and cord lengths supplied



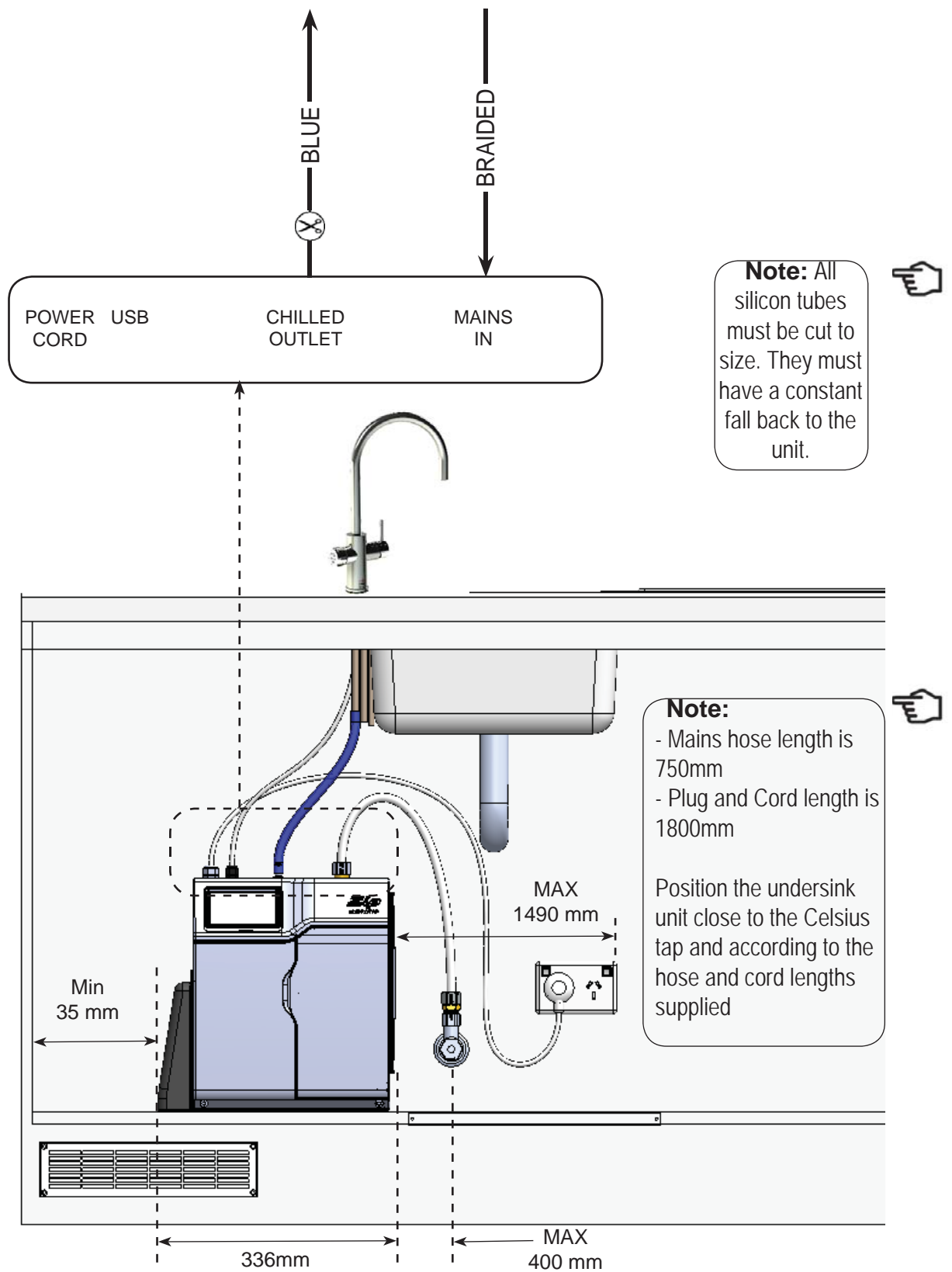
 Note: The tube lengths are matched to the pumps performance and therefore CANNOT be lengthened



: Not required for B240 HydroTap.

Installation Instructions

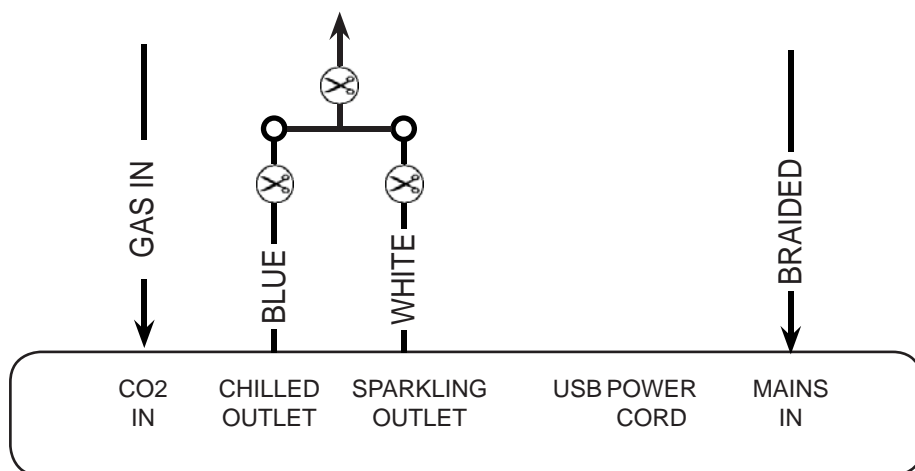
6.6 Model C125 & Model C175



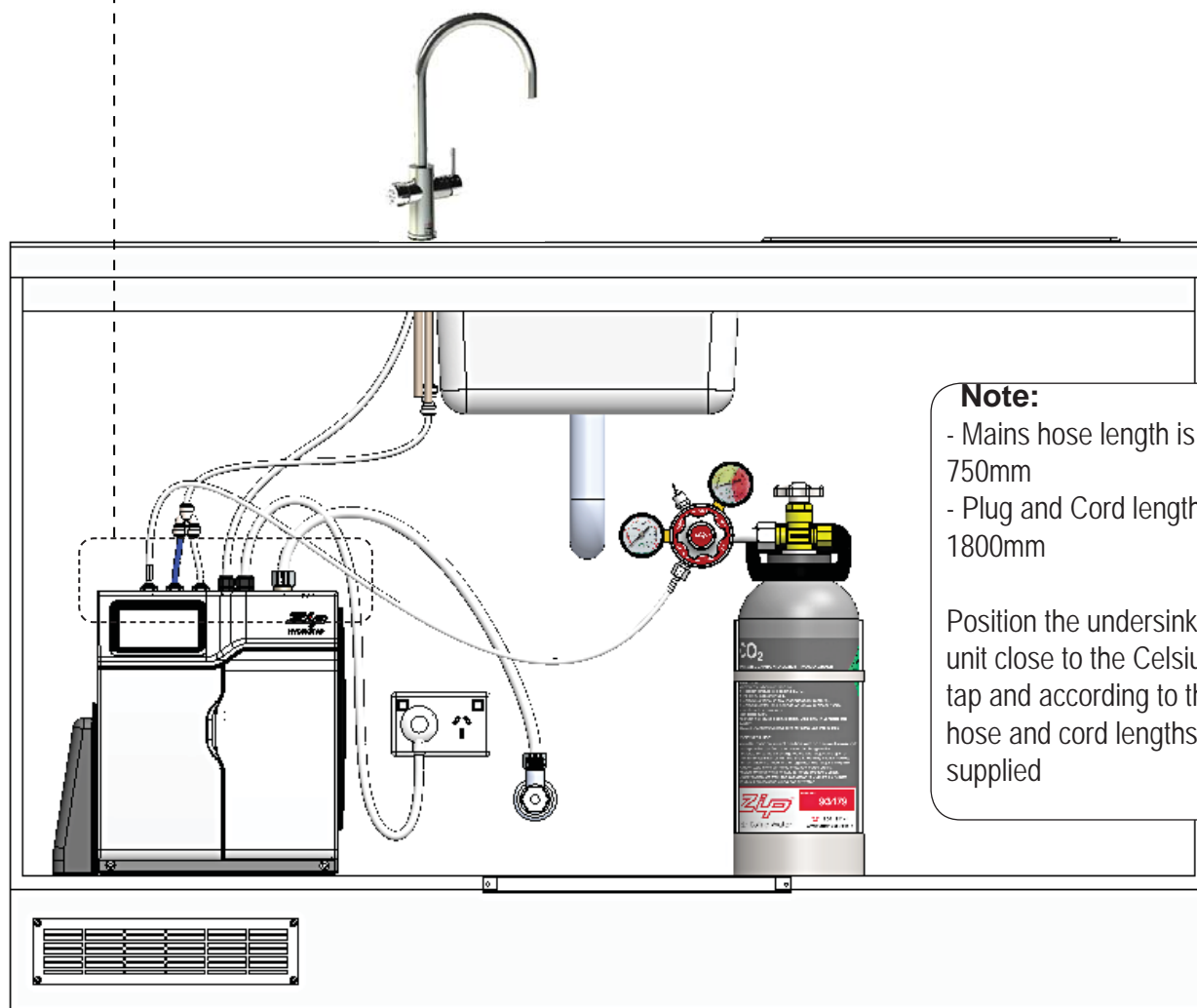
Note: The tube lengths are matched to the pumps performance and therefore CANNOT be lengthened

Installation Instructions

6.7 Model CS 175 HydroTap



Note: All silicon tubes must be cut to size. They must have a constant fall back to the unit.



Note:

- Mains hose length is 750mm
- Plug and Cord length is 1800mm

Position the undersink unit close to the Celsius tap and according to the hose and cord lengths supplied

Note: The tube lengths are matched to the pumps performance and therefore CANNOT be lengthened
Take time to consider hose lengths when determining the mounting positions for the options

Section 7

Commissioning

The Celsius is now ready to be commissioned.

- Turn ON the water and check for any leaks.
- Turn the power ON at the GPO and at the side of the undersink unit
- If fitted, ensure the Booster is turned OFF. (The Booster is commissioned, later, at section 5.4)
- Familiarise yourself with the operation of the Tap, in preparation for use (See User Guide)
- Follow the Installation instructions below (and review Section C of the User Guide).
- Initially you will be prompted to select a language
- After commissioning, the system may be customised by selecting further options in Section G - Settings, within the User Guide.

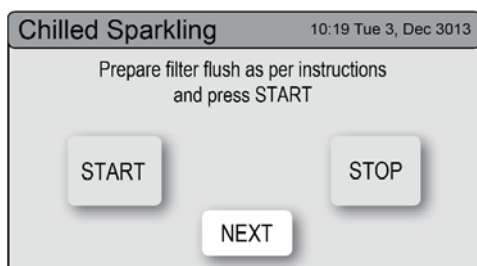
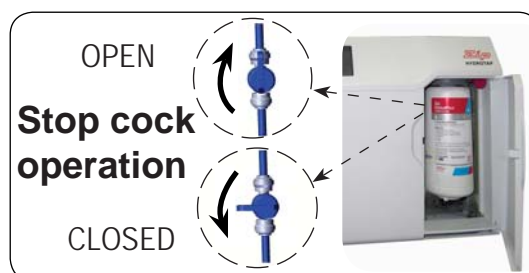
7.1 - CO2 Purge (CS175 Model)



1. Press the [START] button to commence the purging process.
2. Purge for 10 seconds and ensure all water has stopped flowing through the tap. (You will hear the CO2 gas escaping from the tap).
3. Press the [Stop] button.
4. Press [Next] for the filter flush screen

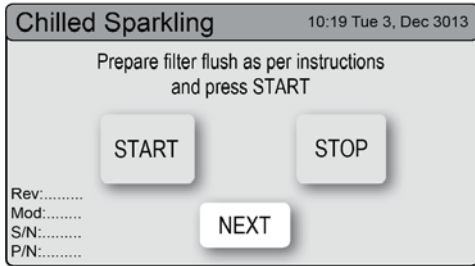
7.2- Filter Flush (All)

Have a 10L 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 and the filter cartridge will be exposed. Located to the rear RHS of the cartridge is a flush line, approx 600mm long and the flush line stop cock. Place the valve end of the flush line into the 10L bucket or container.



1. Press [Start] [Stop] buttons to start and stop the filter flush.
2. Turn the flush line stop cock ON (See diagram).
3. Press [Start] and allow at least 10 litres of water to flush through the filter.
4. The product details will be displayed in the screen.
5. Once the filter flush is finished, Turn the stop cock OFF then press [Stop] to end filter flush mode.

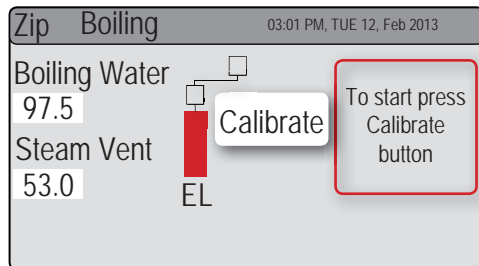
Commissioning



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

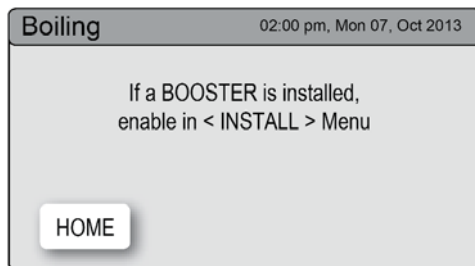


7.3 - Boiling Calibration (B160 and B240 Models)



- Press the calibration button and the system will commence the Boiling calibration procedure. This will take approx 5-6 minutes.

7.4 - Booster (B240 Model)



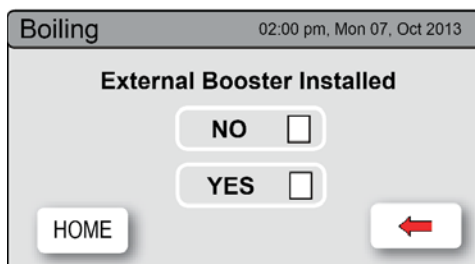
- Upon completion, a Booster reminder screen will appear and allow you to return home by pressing the [Home] button.
- Check the Date and Time settings (See Note below)



Note: failing to make the correct selection for the "Booster", will affect product performance.

Note: Depending on your location you may need to re-set the internal clock. See section G of the user guide to check and if necessary, reset the Date and Time for your time zone.

To enabled when a Booster unit is installed.



HydroTap Booster Screen

- Press the [MENU] button for main menu.
- Press the [Install] button.
- Press the [Booster] button.
- In the next screen, press YES to enable the Booster.
- Turn the Booster ON
- Water must be run through the Booster for a min of 30 seconds, before the heater will activate.
- Dispense boiling water for 30secs and check the Booster outlet hose is warm when the boiling water tank is replenishing.

Trouble Shooting

System Fault Message	Possible Cause	Solutions
Power board fault	Electrical disruption	Check power supply and all fuses
Interface fault	Internal fault	Call Zip Service
Level board fault	Internal fault	Call Zip Service
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 failed	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 fuse / driver fault	Internal fault	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
Condenser overtemp.	Blocked air filter	Remove blockage / Clean filter / check user guide
A DC Pump is faulty	Internal fault	Call Zip Service
Steam is too cool	Internal fault	Call Zip Service
Steam sensor Open	Internal fault	Call Zip Service
Steam sensor Closed	Internal fault	Call Zip Service
Over Steamed	Internal fault	Call Zip Service
Hot tank 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 for a free call in Australia on 1800-638-633 for assistance, service, spare parts or enquiries.

End of Life Disposal

In order to help preserve our environment we ask that you dispose of this product correctly. Please contact your local city council for collection centre details.

Contact Details

Head Office

Zip Heaters (Aust) Pty. Ltd.
ABN: 46 000 578 727
67 Allingham Street
Condell Park NSW 2200
Postal: Locked Bag 80
Bankstown 1885 Australia

Website: www.zipindustries.com

Facsimile: (02) 9796 3858
Telephone: (02) 9796 3100
Sales & Service.
Free Call: 1 800 63 86 33
Customer Care.
Free Call: 1 800 42 43 44

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 terms "Zip" and "Celsius" 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.

