

# HydroTap® G4

Filtered Boiling and Boiling Ambient drinking water for commercial kitchens and tea rooms.



## B & BA Commercial



**Affix Model Number Label  
Here**

**801530NZ**

**zenith°**

## Tap options

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



These three taps are directly compatible with the G4 under bench unit.



The Mixer tap range is an additional series of taps that may be used in conjunction with any one of the three taps shown above, to create 4-IN-1 models



The All-In-One Tap is a stand alone tap that may be used as an alternative to any of the above combinations. The A-I-O is compatible with the G4 underbench unit.

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## 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 and 200 - 700kPa when a Booster and / or filter softener is fitted
- D. Check the water quality to determine if extra filtration will be required.
- 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 6)

- 7. Flush the supply line before connecting.
- 8. Turn on the water and check for leaks.
- 9. Flush the filter(s).
- !0. Where applicable, programme the unit to suit the customer's requirements.

## General Product Features

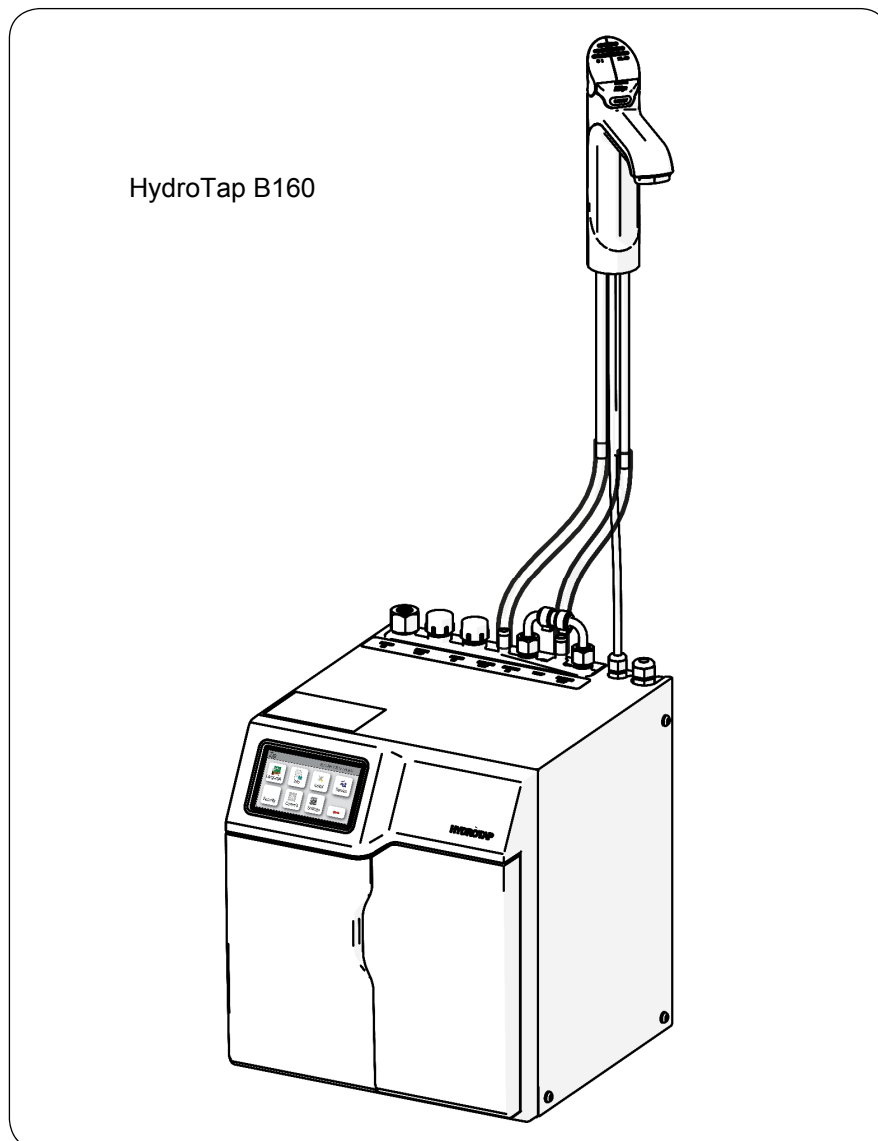
Thank you for purchasing a Zenith HydroTap. Please read and follow these instructions carefully to ensure safe operation and trouble free service. If service is required, please call 0800 558055

### What is the Zenith HydroTap ?

The HydroTap units are under bench drinking water appliances with a dispensing tap mounted on a sink or bench, which may be used for residential or commercial applications. The HydroTaps utilise an immersion heating element to boil the water. These units dispense boiling water (factory set to 98°C) and ambient water. The HydroTaps are NOT designed to be used for sanitary fixtures.

The Boiling water units are fitted with a tap mounted, child safety lock. In addition, there are various energy saving options accessible via the main menu. Each unit 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.

The Zenith HydroTaps are electronically controlled, filtered, Boiling water and Ambient water drinking systems for kitchens and tea rooms. It is important that the installation be done safely, correctly and completely, in order to utilise all the benefits the HydroTap can provide. Each unit can be ordered with the Tap Head Assembly for Disabled use. The disabled levers are supplied with Braille caps for the visually impaired.



## Important Safety Instructions

This manual contains important safety, installation instructions for the Zenith HydroTap G4. 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.



### 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 Zenith HydroTap 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 section 1.2 technical specification for the weight of your product.

### Airflow

The ambient operating temperatures this unit, when operated in a cupboard, must be between 5°C - 35°C. Proper air circulation must be provided. The system will operate satisfactorily only if the recommended air gaps of 50mm on each side are provided. If a vent kit is supplied it must be fitted. See technical specifications for correct installation to prevent overheating.

### Altitude

Water boils at varying temperatures at different altitudes. Your HydroTap adjust for this during startup calibration and will recalibrate itself on a regular basis.

### 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.

### 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 1 for details.

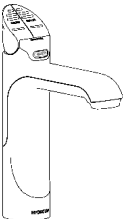
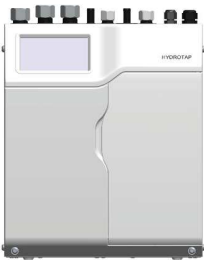

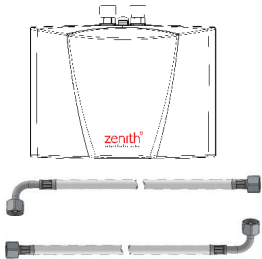




## Important Safety Instructions

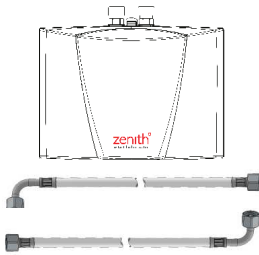


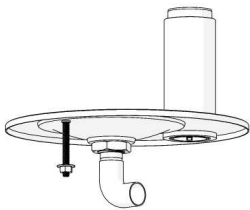

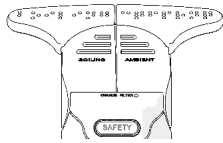



### WARNINGS

1. The Zenith HydroTap 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 Zenith 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 HydroTap product is rated for 230V 50Hz AC operation.
7. Undersink units must never be located near, or cleaned with water jets.
8. Zenith HydroTaps are not to be exposed to the elements of nature
9. Due to the process of continuous improvement, Zenith Heaters reserves the right to change details mentioned in this manual, without notice.

## Major components and accessories

Parts supplied	Description
	1 x Tap option with hoses (Classic tap shown)
	1 x HydroTap Undersink Unit with water filter
	1 x Mains water connection hose
	1 x HydroTap Booster Heater & hoses. (Supplied with 240 /175 models)
	1 x Restrictaflow valve and Tee piece for Mixer taps and select models
	1 x User guide and 1 x Quick start guide
	1 off Installation instructions (This book)
	1 x Mixer tap for 3-in-1 and 4-in-1 models (with hoses)

Accessories	Description
	HydroTap Booster Water System with connection hoses
	Softener cartridge and head assembly
	Font Kit for Arc & Cube Models
	Font Kit for Classic & Elite Models
	Replacement Filter
	Disabled lever Kit
	3-in-1 and 4-in-1 Upgrade Kits



## Technical Specifications

Model	Cups of Boiling Water per Hour
B	160

Note: the Cup measurement =167ml

Commercial Models	
B	Boiling Only
BA	Boiling Ambient
BHA	3-in-1* and All-In-One
BAHA	4-in-1* and All-In-One
D	Disabled lever controls (optional accessory)

### Product covered by these instruction:

	Capacity Boiling (cups)	H/T Tap *Filtered	Boost (10A)	GPO's Required	Power Rating (kW)	Boost Rating (kW)	Unit Dimensions W x D x H (mm)	**Dry Weight (Kg)
<b>Boiling Only</b>								
B160	160	Yes	no	1x10A	1.9	NA	280 x 313 x 335	8
B240	240	Yes	yes	2x10A	1.9	2.2	280 x 313 x 335	8
<b>Boiling Ambient</b>								
BA160	160	Yes	no	1x10A	1.9	NA	280 x 313 x 335	8
BA240	240	Yes	yes	2x10A	1.9	2.2	280 x 313 x 335	8
<b>3 in 1</b>								
BHA160	160	Yes	no	1x10A	1.9	NA	280 x 313 x 335	8
BHA240	240	Yes	yes	2x10A	1.9	2.2	280 x 313 x 335	8
<b>4 in 1</b>								
BAHA160	160	Yes	no	1x10A	1.9	NA	280 x 313 x 335	8
BAHA240	240	Yes	yes	2x10A	1.9	2.2	280 x 313 x 335	8
<b>All-In-One</b>								
BHA160	160	Yes	no	1x10A	1.9	NA	280 x 313 x 335	8
BHA240	240	Yes	yes	2x10A	1.9	2.2	280 x 313 x 335	8
BAHA160	160	Yes	no	1x10A	1.9	NA	280 x 313 x 335	8
BAHA240	240	Yes	yes	2x10A	1.9	2.2	280 x 313 x 335	8

\* Water from the H/T Mixer tap is unfiltered

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

## Before Installation



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

- Review all the technical specifications.
- Ensure the underbench can support the product weight when full of water, (allow an extra 3-4kg when full. )
- Sufficient space in the cupboard to install all of the undersink units in accordance with these Installation Instructions. Refer to technical specification for dimensions. Make allowance for a booster heater and / or water softener if required. Refer to section 3 & 4, for Installation instructions.
- For Zenith HydroTap 160 models, a 220-240Vac, 10A GPO will be required.  
For Zenith HydroTap 240 models, two 220-240Vac, 10A GPOs will be required. (One GPO is for the Zenith HydroTap and the other for the Booster heater).



**Note: Check all cable and hose lengths against inlet /outlet positions before proceeding** (See section 5 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 (200kPa when a booster and /or filter softener is fitted) 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.

### Special Tools Required:

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

For the standard and Mixer taps:

- 35mm diameter sheet metal hole punch for sink tops or 50mm for AIO. (Not supplied)
- 35mm diameter hole saw for timber bench tops or 50mm for AIO. (Not supplied)
- Nut runner tube spanner (supplied) for fixing tap assembly.

# Section 1

## Tap Installation

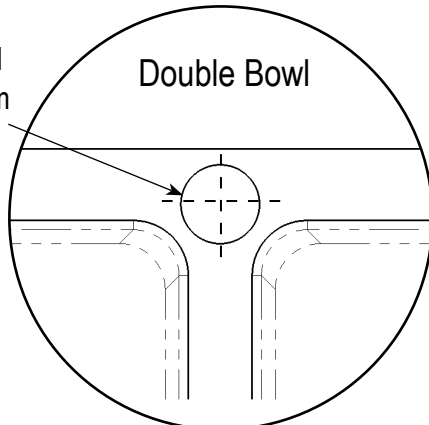
### Hole positioning:

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 Zenith Font, available as an accessory.

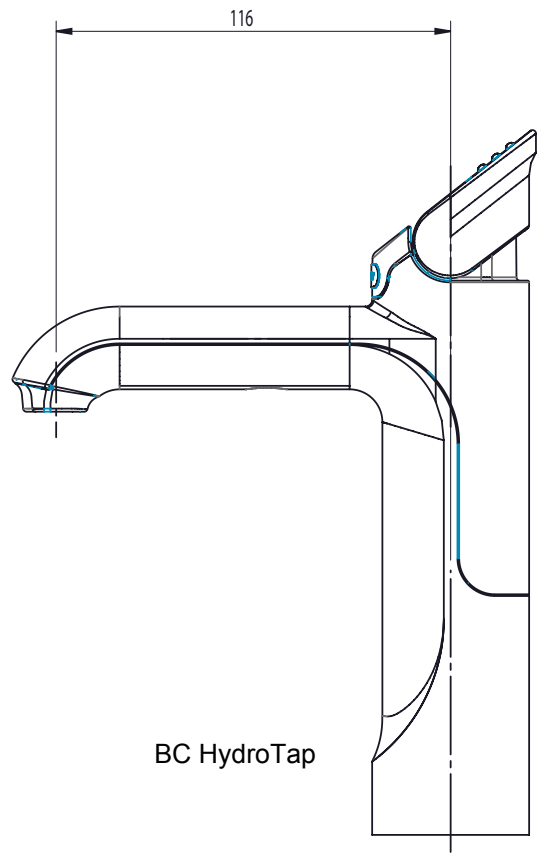
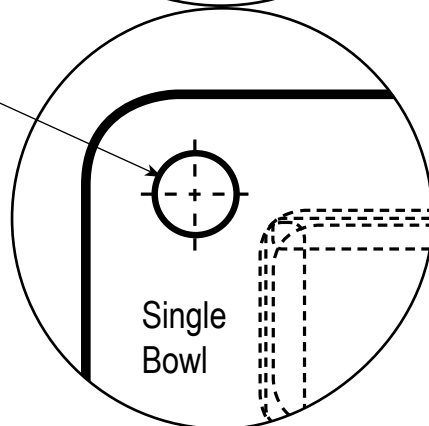
TAP	Recommended dispensing distance **
Elite	116 mm
HydroTap Classic	116 mm
HydroTap Arc/Cube	171 - 174 mm (Extended)
All-In-One	211 mm
Mixer - Arc neck	231 mm
Mixer - Classic	270 mm
Mixer - Cube neck	310 mm

\*\* Check bowl depth and adjust accordingly

For  
A-I-O 50mm and  
Mixer taps 35mm  
hole

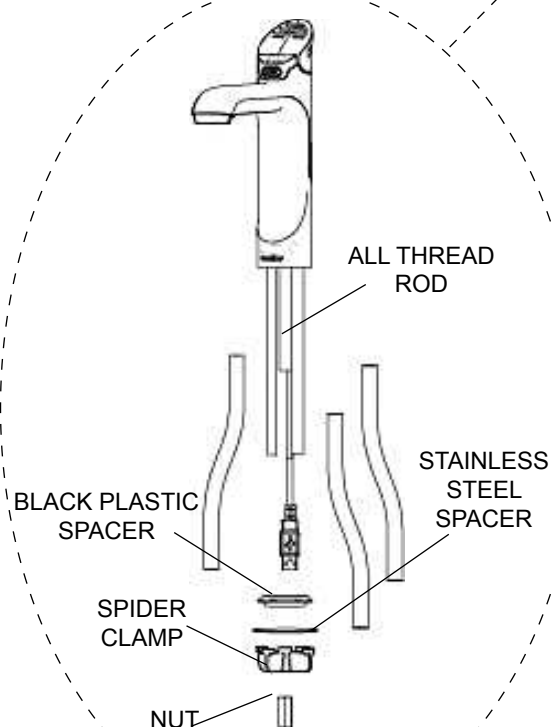


For  
Elite, Classic  
and Arc/Cube  
35mm hole

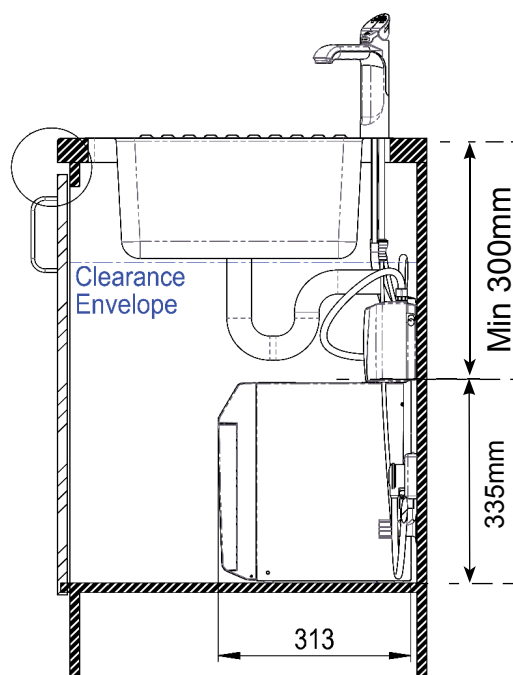
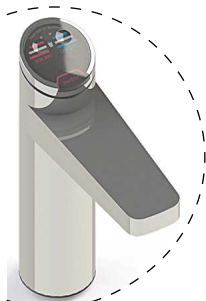


# HydroTap & Elite Installation

**HydroTap Classic**

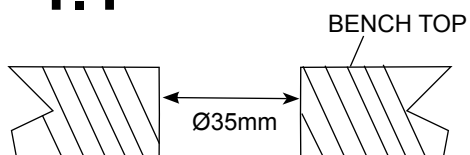


**EliteTap**



**Tap assembly exploded view and kitchen layout side view.**

**1.1**



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

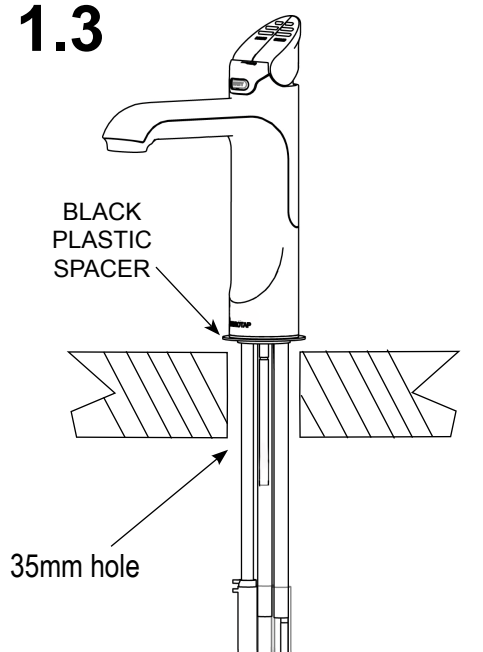
**1.2**



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

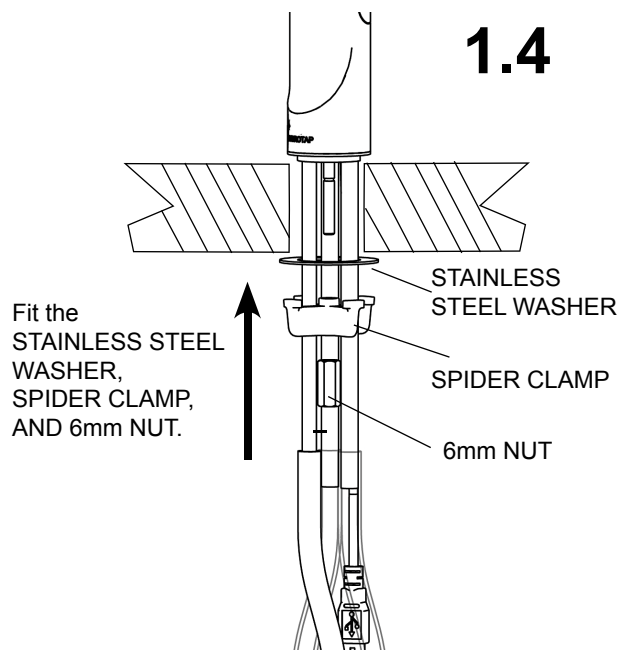
## Installation Instructions

### 1.3



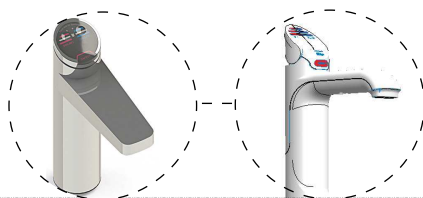
Pass all the hoses, tubes and USB lead through the 35mm hole.

### 1.4



**Note:** feed each of the three tubes and electrical cable evenly in between the legs of the SPIDER CLAMP when installing.

### 1.5



Red hose to boiling water outlet

Blue hose to Ambient outlet

Clear hose to Vent

Incoming water

**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 under sink unit close to the outlet tap, within reach of the hose and cord lengths supplied

# HydroTap Arc/Cube

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

**NOTE:** The tube kit must be fitted after the HydroTap has been mounted on the benchtop or sink. Refer to the tube kit assembly instructions, supplied with the tap kit.

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

## 1.6 To change the spout position

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

**NOTE:** The plastic spring clip has two internal dimples that may be positioned in the 6 upper or 6 lower, pre drilled holes in the spout (see diags. below & Figs. 1.7 & 1.8)

2. To reposition the spout, gently spread the plastic spring clip to release the dimples from the spout holes. When released, slide the clip on the spout so that it ends up between the two rows of holes.
3. Rotate the plastic clip on the spout to orient the dimples, so they are in line with the newly selected holes.

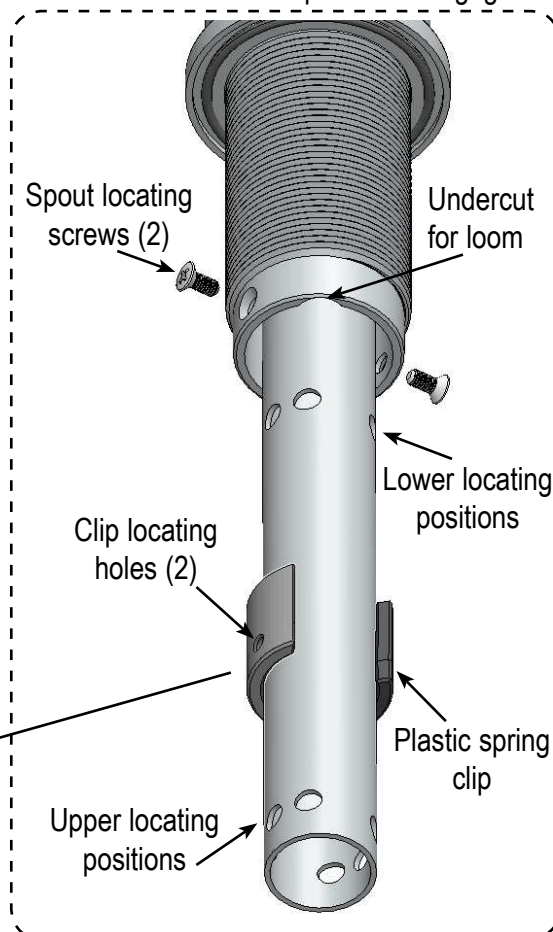
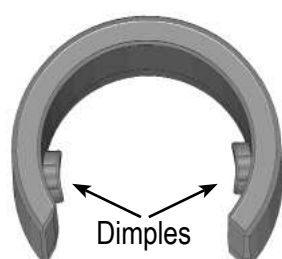
**NOTE:** When determining which of the 6 holes are required for the new spout height and orientation, check the new plastic clip position will clear the undercut and that the wiring loom will not be pinched, when assembled.

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

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

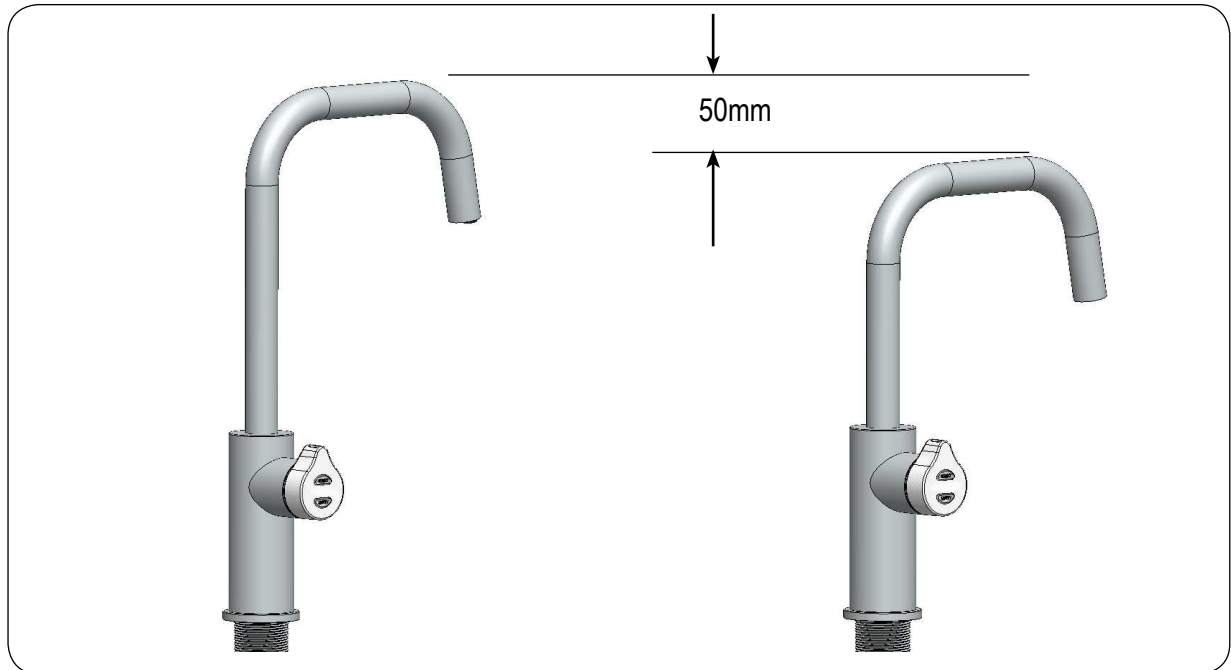
5. With the clip fitted to the newly selected holes, carefully raise the spout (ensure the wiring loom is a neat fit in the undercut and is located between the open ends of the clip) until the clip locating holes are in line with the spout locating screws.
6. Replace the 2 x locating screws.
7. If mounting on an uneven surface, apply a light smearing of silicon sealant on the O ring to ensure a watertight fit. (See fig. 1.9)
8. Pass the assembly through the 35mm hole and position the tap so it discharges into the sink.
9. Fit the lower rubber seal to the threaded extension.
10. Secure the tap in position with the metal washer and nut.
11. Fit the tube kit, as supplied.

Plastic spring clip

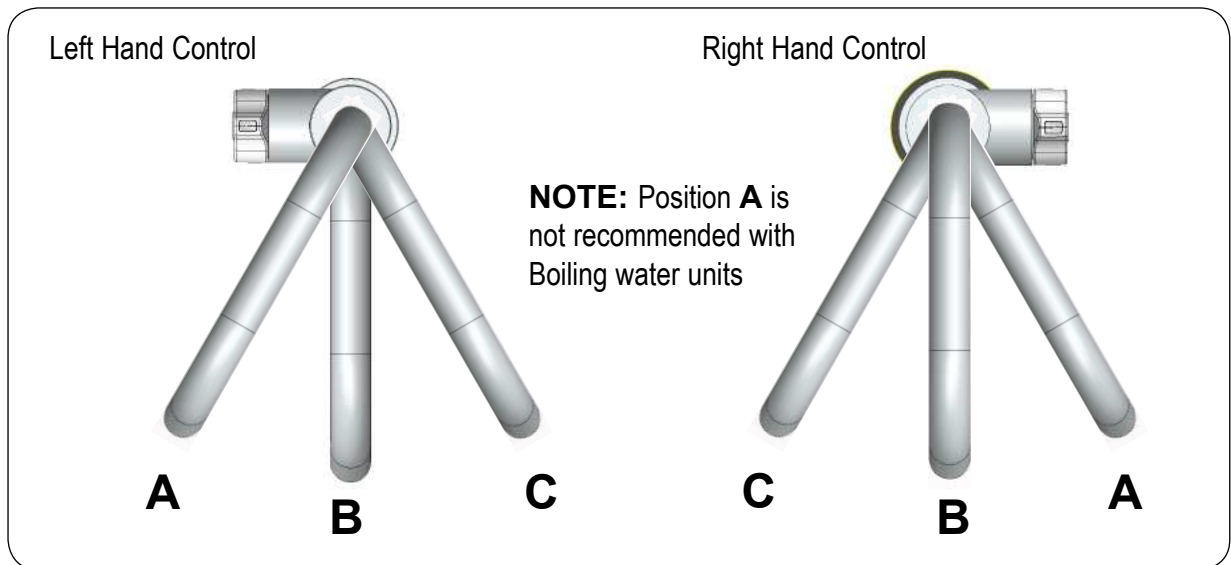


## Installation Instructions

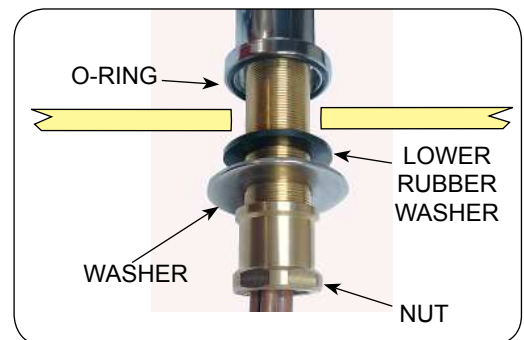
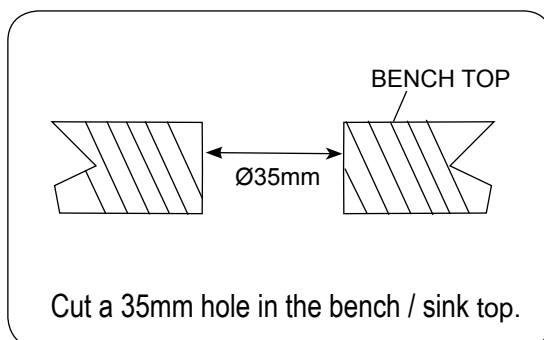
### 1.7 Height adjustment (Fixed position options)



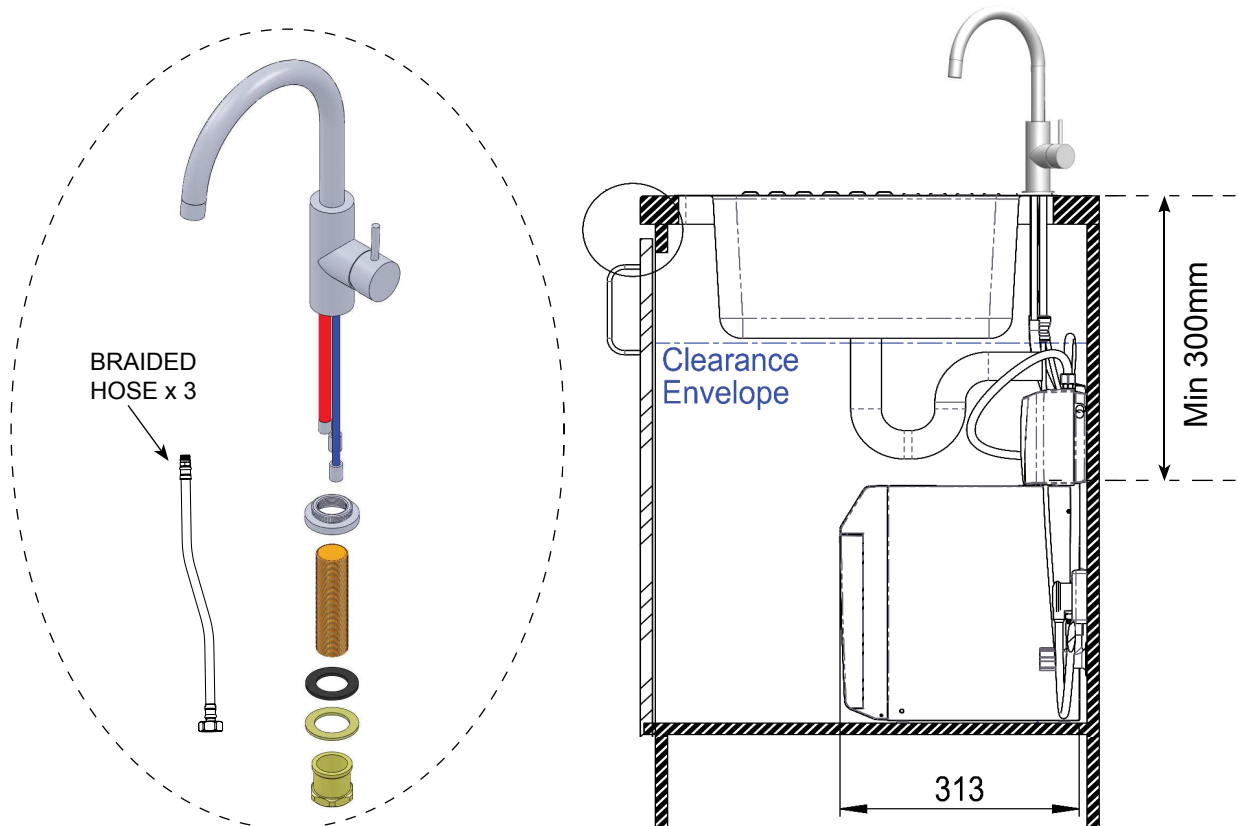
### 1.8 Angular adjustment (Fixed position options)



### 1.9 Mounting (See table on Page 11 )



# Mixer Tap Installation



Tap assembly exploded view and kitchen layout side view.

## 1.10



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



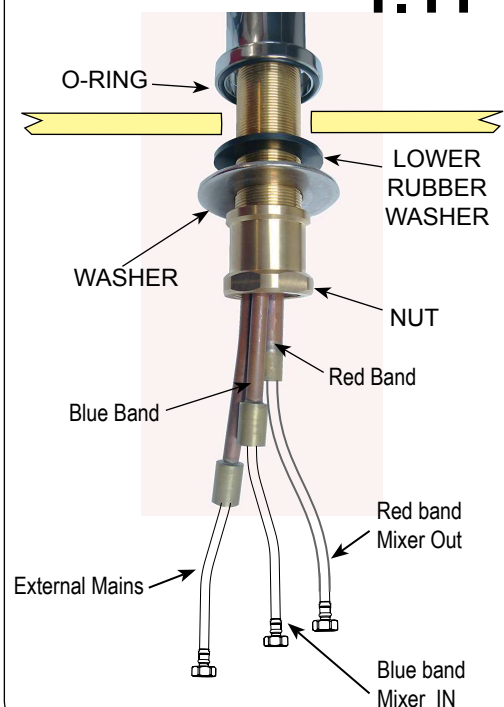
**Note:** make sure the tap location will allow the nozzle to drain into the sink.



### **Note:**

The mixer tap requires a Zenith Restrictaflow valve, as supplied, to be fitted in the cold water supply line, from the isolation valve tee piece, to the mixer tap. (See diagrams)

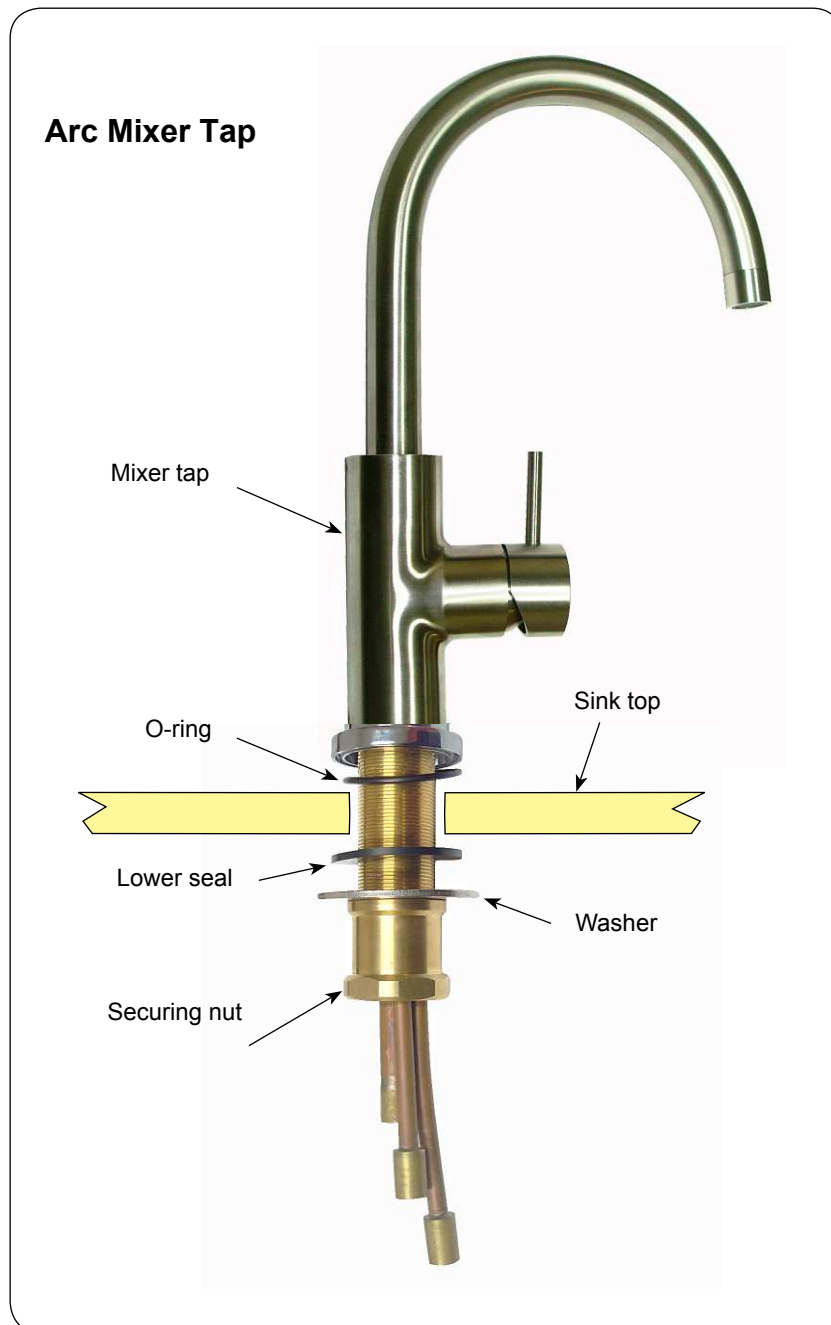
## 1.11





### 1.12 Installing the Mixer Tap (Classic, Arc and Cube)

- Fit the O-ring into the recess on the underside of the Mixer tap. (Note: If mounting on an uneven surface, a light smear of silicone on the O-ring will ensure a water tight seal)
- Pass the tap tubes and threaded extension through the 35mm hole and position the tap so that it discharges into the sink.
- Fit the lower rubber seal to the threaded extension.
- Secure the tap in position with the metal washer and Nut.
- Affix the three hoses to the tap. Match the hose colours to the coloured bands on the copper extension tubes. (See diag. 1.11)



## Installation Instructions

### 1.13

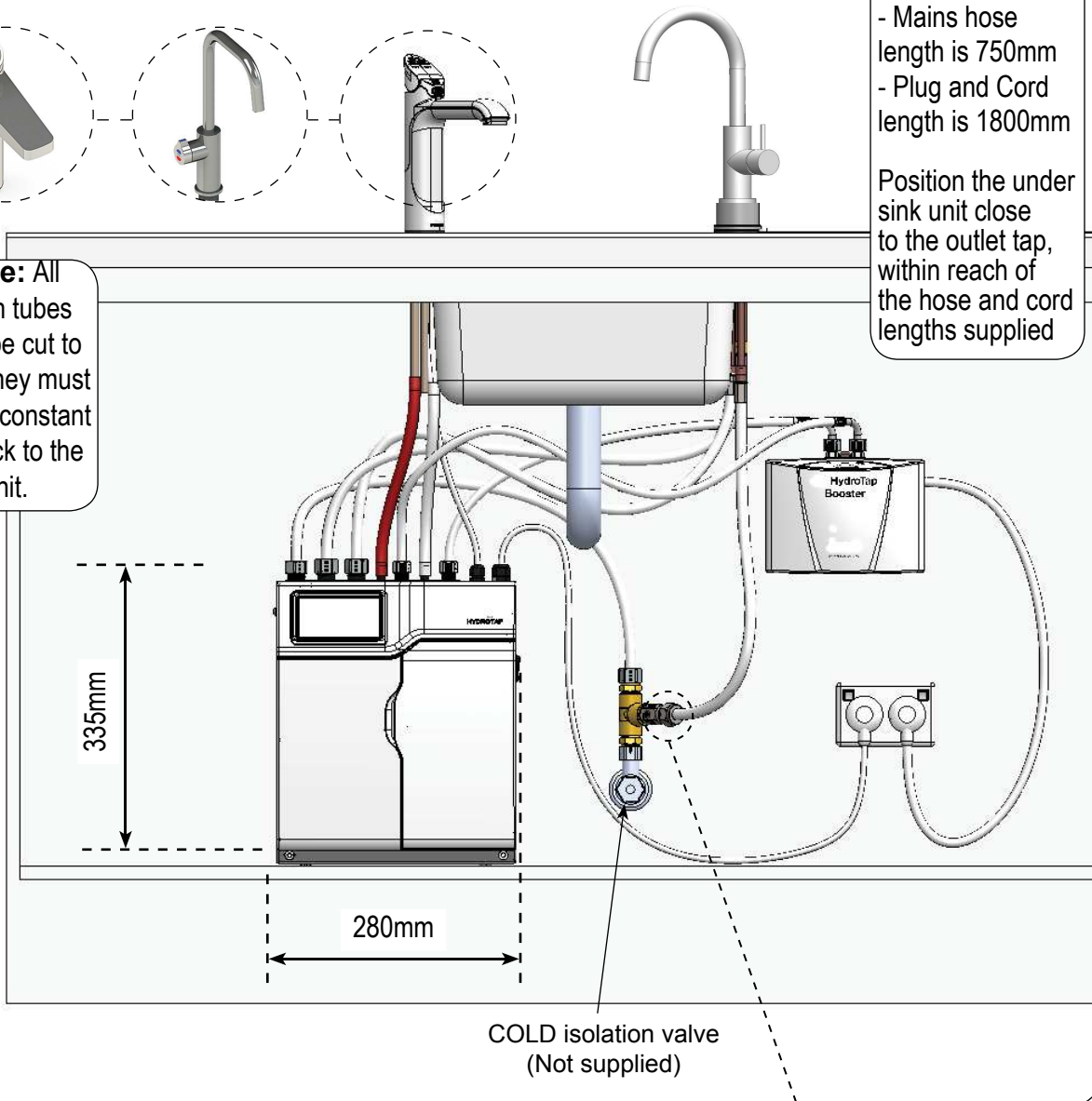


#### Note:

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

Position the under sink unit close to the outlet tap, within reach of the hose and cord lengths supplied

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



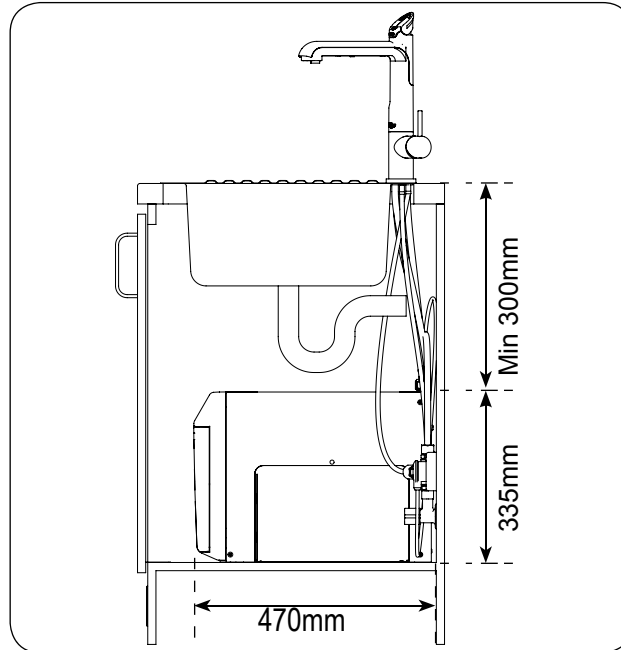
### Restrictaflow valve

**Note:** The mixer tap requires a Restrictaflow valve to be fitted in the cold water supply line, from the isolation valve tee piece, to the mixer tap. (See diagrams)

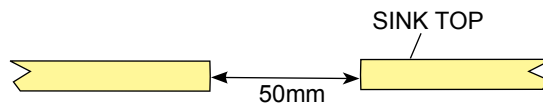


# All-In-One Tap Installation

1.14



1.15



Cut a 50mm hole in the bench / sink top.

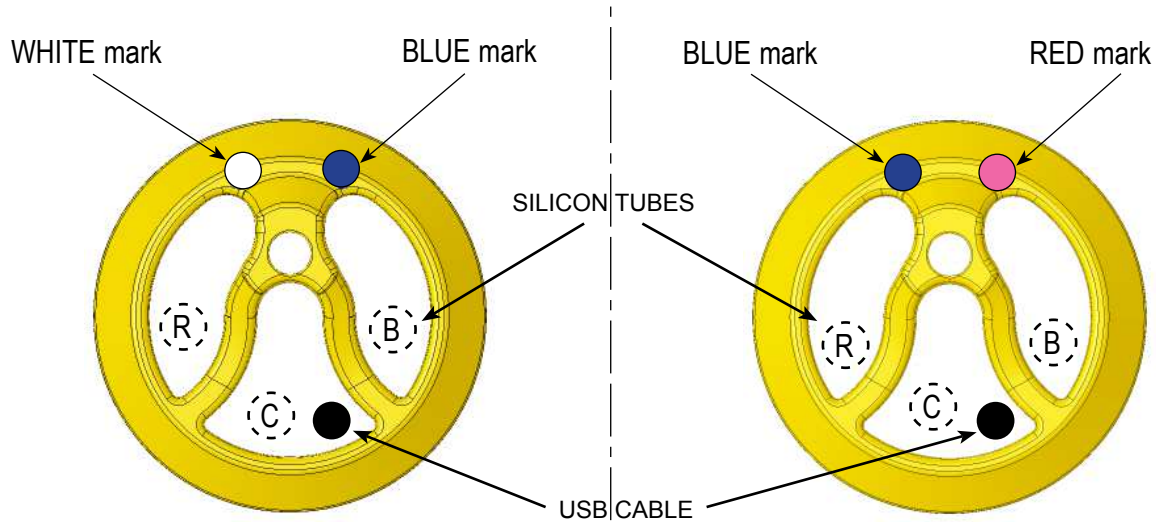
**Note:** make sure the tap location will allow the nozzle to drain into the sink. (See Page 11)

## Installation Procedure

- Fit the seal ring to the base of the tap and If mounting on an uneven surface, apply a light smear of silicone sealant to ensure a watertight seal
- Mount the tap on top of the cut out hole after passing the usb cable and tubes through the 50mm hole
- Thread the cable and silicon tubes through the circular clamp block (Check the tube colour alignment with the coloured dots on the clamp block). (See fig 1.16)
- Clamp the assembly in position using the threaded nut and clamp block
- Working from inside the cupboard, attach the braided hoses to the tube extensions (ensure the seals on the end of the hoses are lubricated). Check the correct position for Hot and Cold connections by matching the colours on the braided hoses with the coloured markings on the copper extension tubes. (See fig. 1.18)
- Test for leaks after all the connections have been secured.

## 1.16

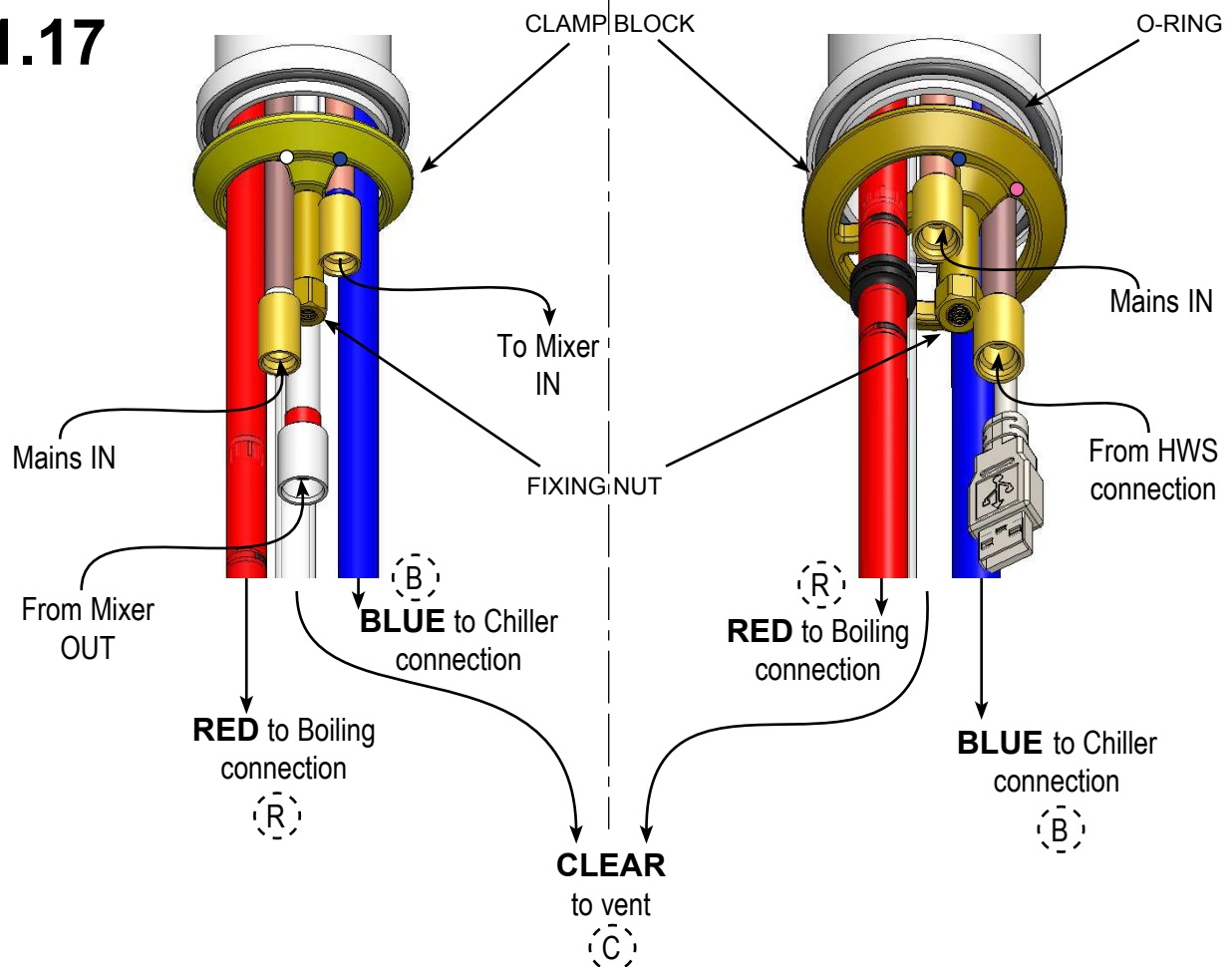
### Clamp Block markings and silicon tube positions, viewed from underneath



### AIO Vented assy

### AIO Mains assy

## 1.17

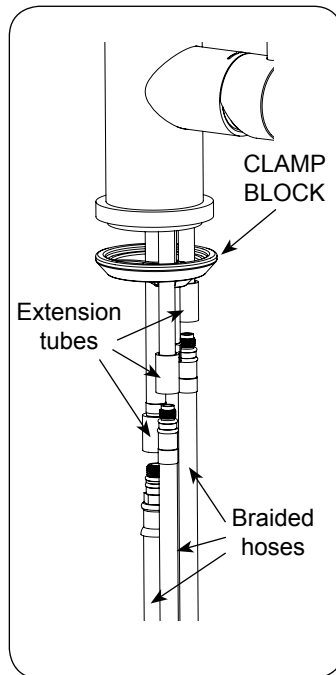


## Installation Instructions

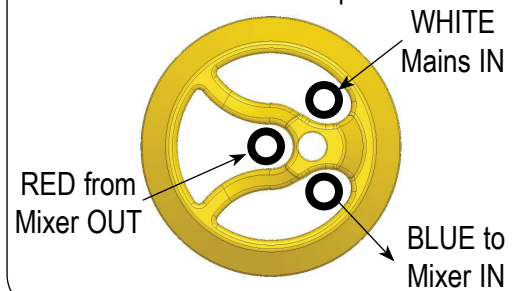
### 1.18

- Screw the braided hoses into the extension tubes. Ensure the o-rings are lubricated prior to assembly and that the braided hoses, with coloured markings, are correctly matched with the colours on the extension tubes and on the clamp block (as indicated).
- Make sure all tubes and hoses are firmly secured.

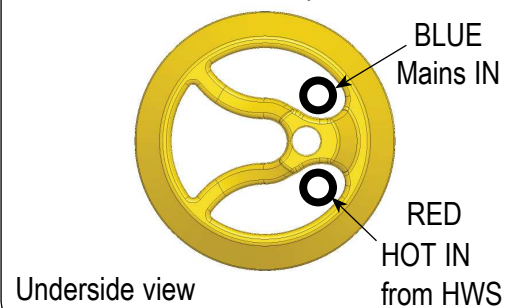
Typical Vented assembly



**Vented** braided hose positions



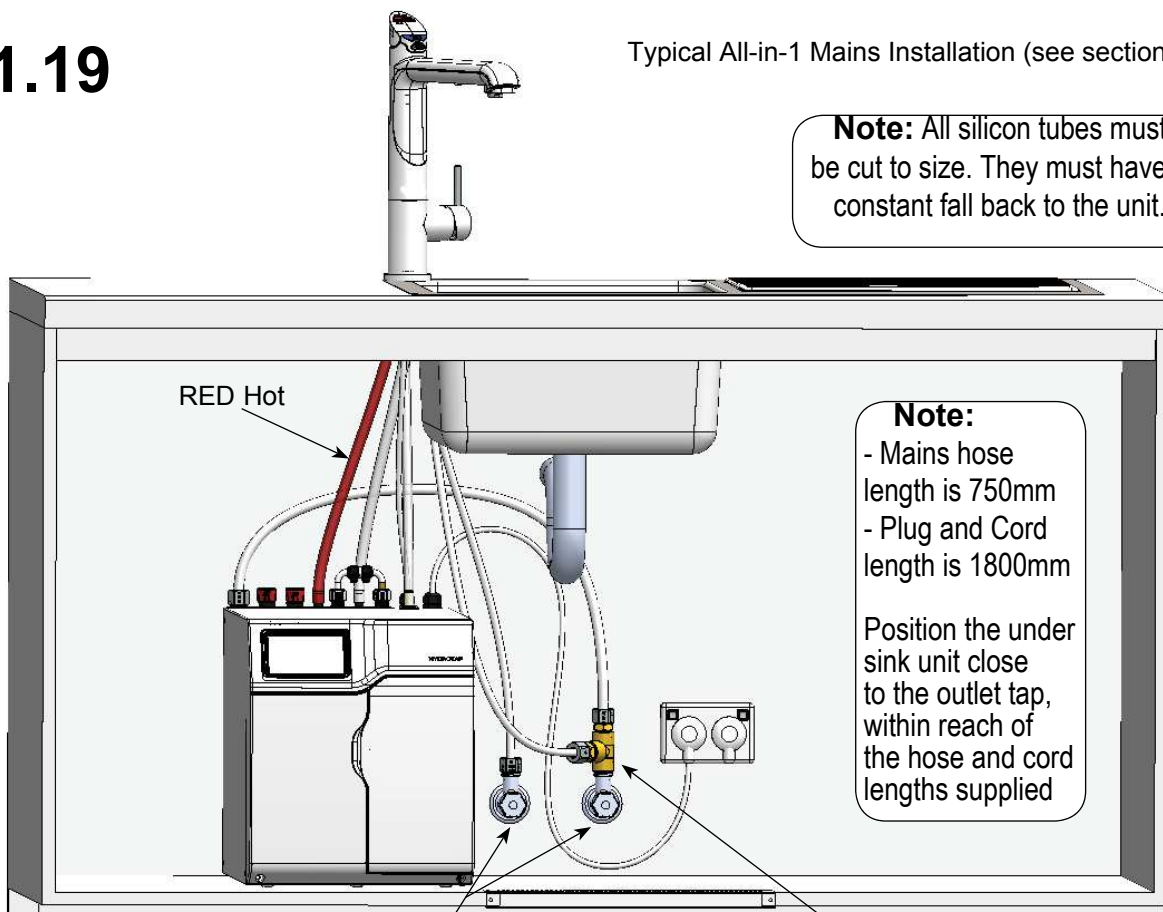
**Mains** braided hose positions



### 1.19

Typical All-in-1 Mains Installation (see section 5)

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



External HOT & COLD  
isolation valves  
(Not supplied)

Tee piece  
(Supplied)

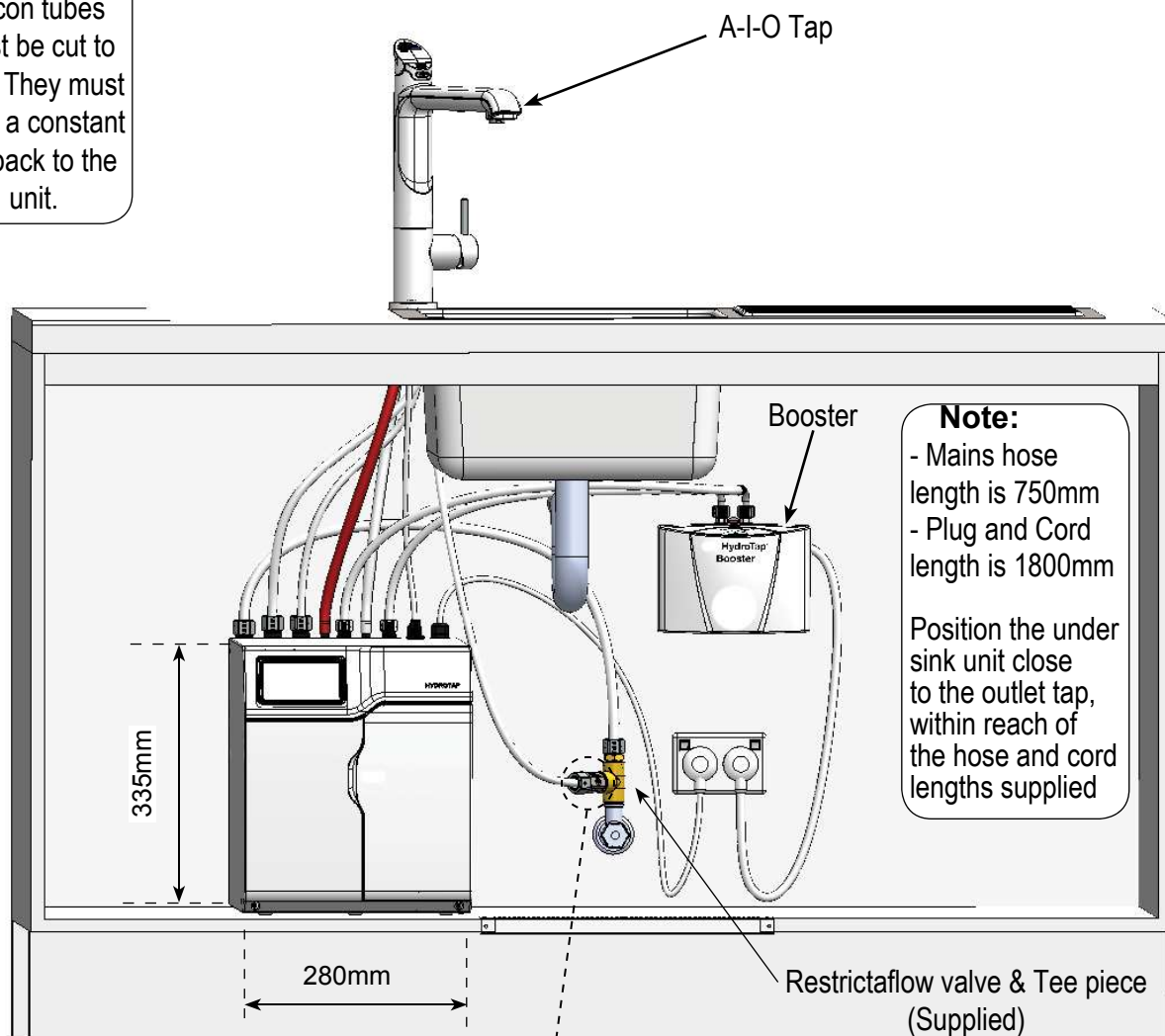
## Installation Instructions

### 1.20

Typical All-In-One Vented assembly with Booster heater (See section 5)



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



#### Restrictaflow valve



**Note:** The All-In-One vented taps require a Zenith Restrictaflow valve and Tee piece, as supplied, to be fitted in the cold water supply line, from the isolation valve (Not supplied), to the mixer tap. (See diagrams)

# Section 2

## Ventilation

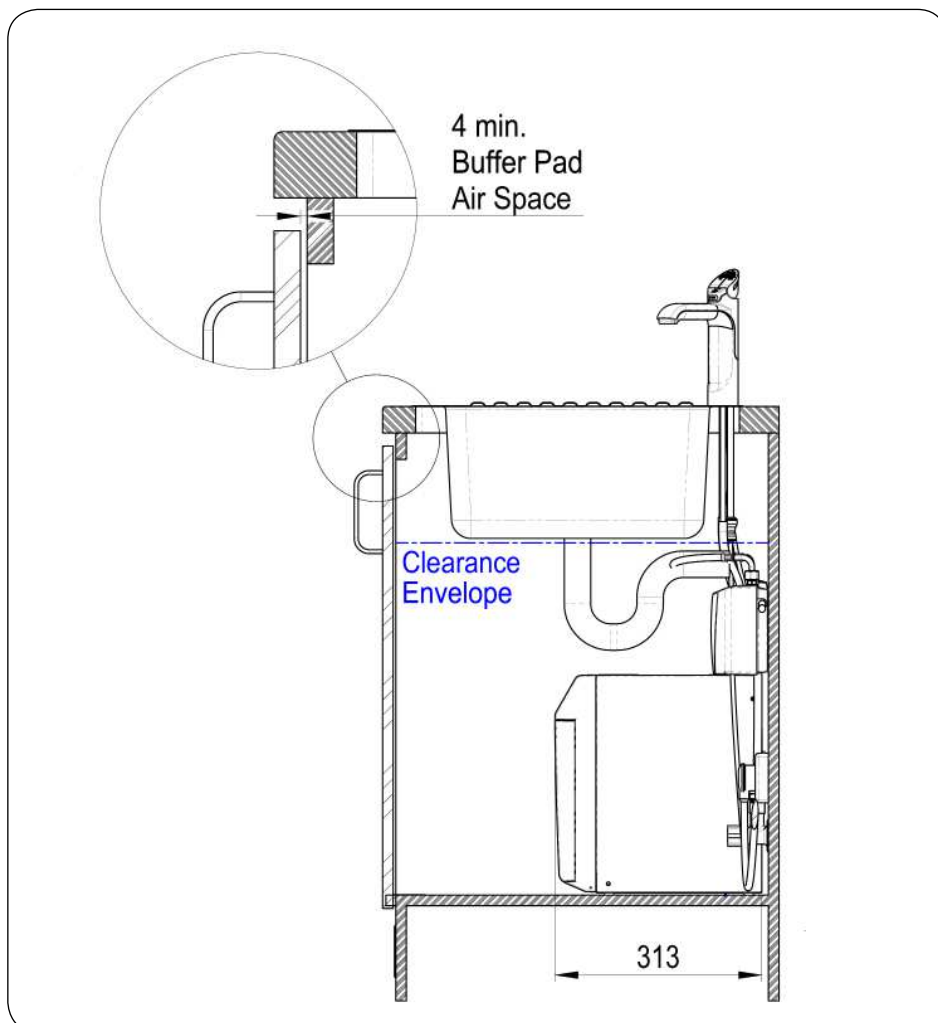
### 2.1 All Models

Proper air circulation must be provided for all models. The system will operate correctly only if the recommended air gaps are achieved during installation.

**IMPORTANT: See section 5.3 for clearances.**

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

For high use applications, where the cupboard space temperature is near 35°C, or higher, a vent kit must be fitted. (Contact your local service centre for availability).



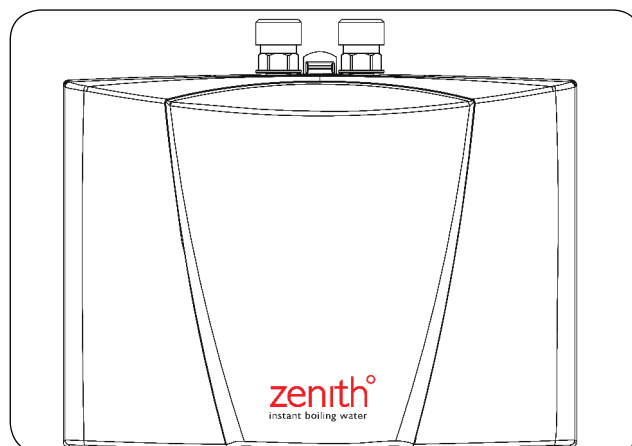


# Section 3

## Booster Heater

### 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 Zenith 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.



**Note1:** water connection

:Blue marking - water in

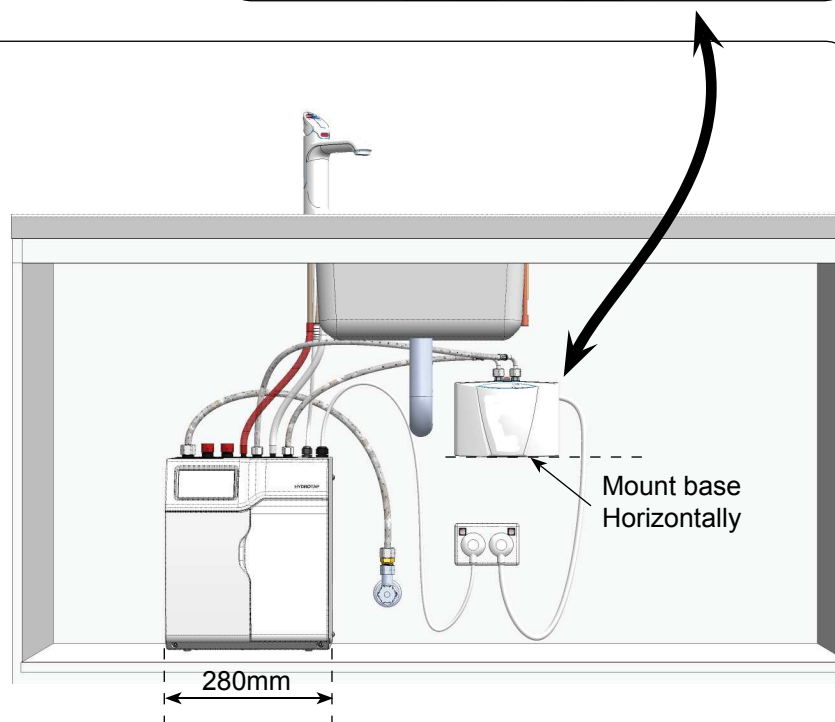
:Red marking - water out.

The braided hoses cannot be lengthened.

**Note2:** The electrical cable length is 1.0 metre.

**Note3:** Position the Booster within reach of the fixed hose lengths, keeping the Booster as close as possible to the undersink unit inlet/ outlet fittings.

**Note4:** Ensure the Booster heater is mounted in an upright position (as shown) with a horizontal base



### 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 water pressure	200	kPa




### 3.2 Installation Procedure

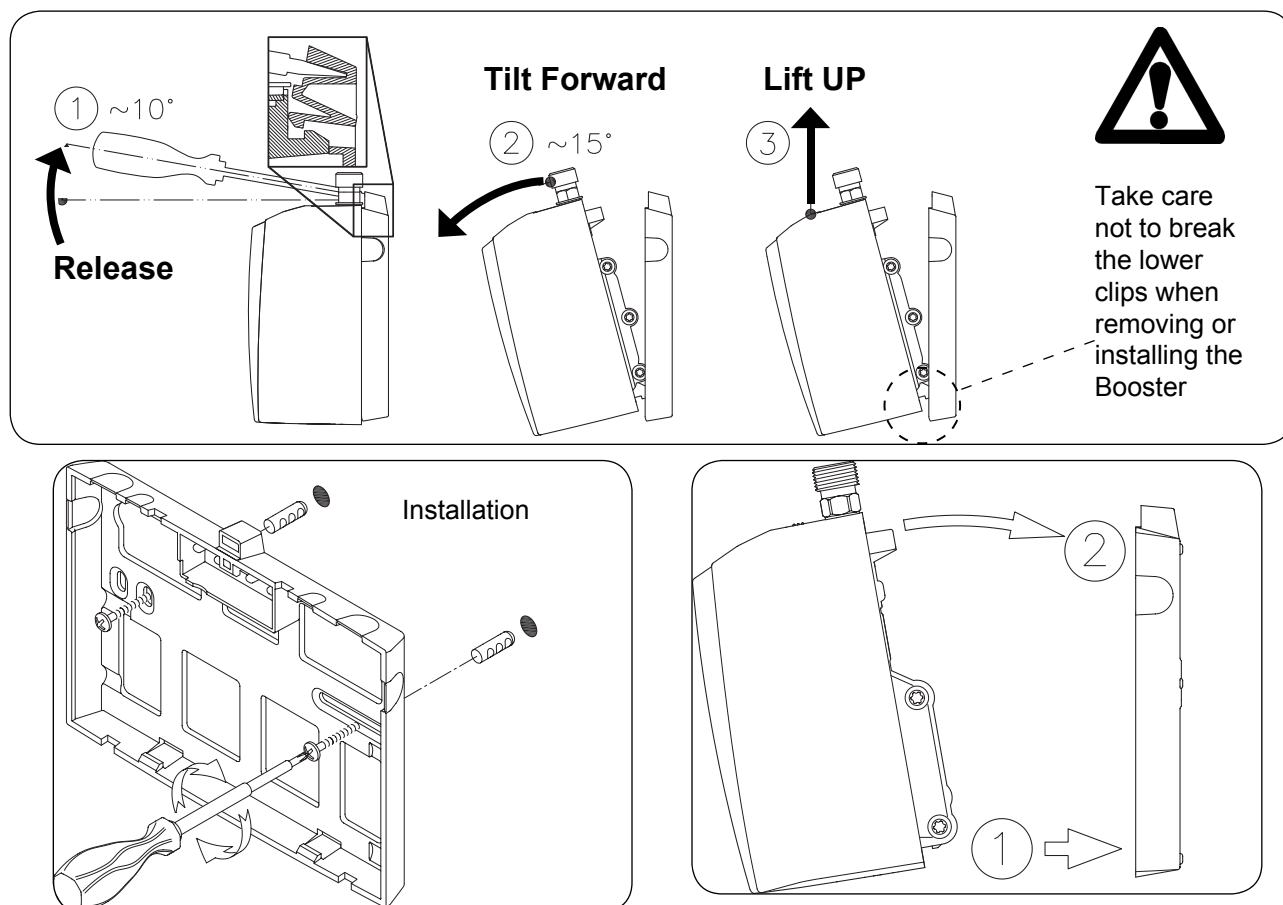
#### Site requirements

- 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



## Booster System

 **NOTE1:** This appliance is intended for use with the Zenith HydroTap under sink unit.

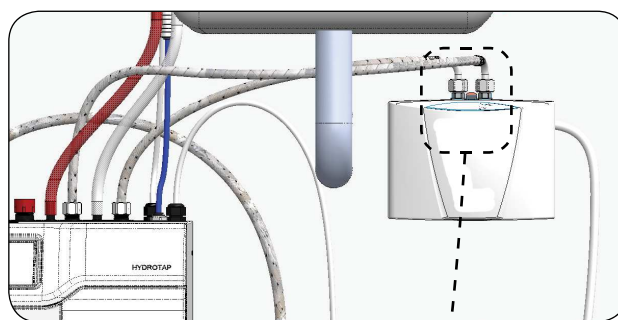
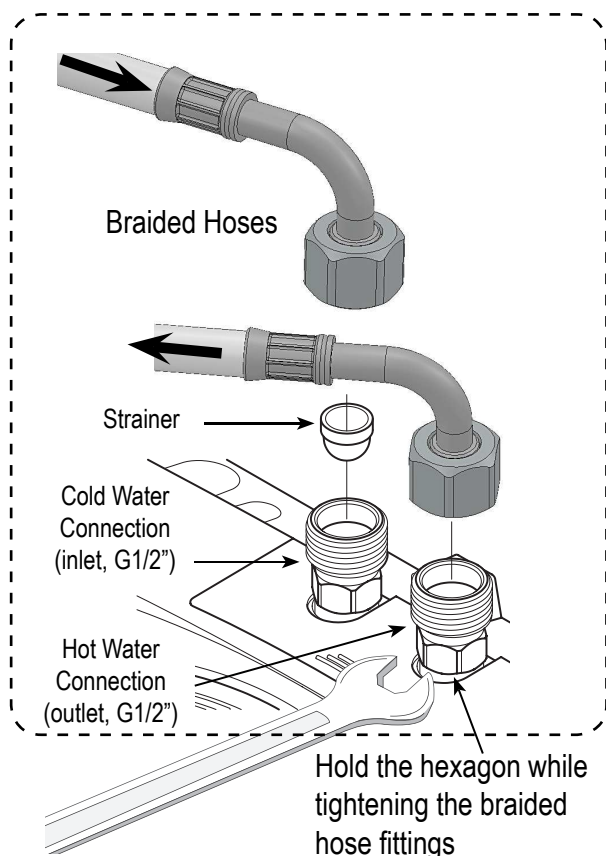
**NOTE2:** Water connections must be pointing vertically upwards.

**NOTE3:** The booster unit should be installed as close as possible to the Zenith 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 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 Zenith 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.

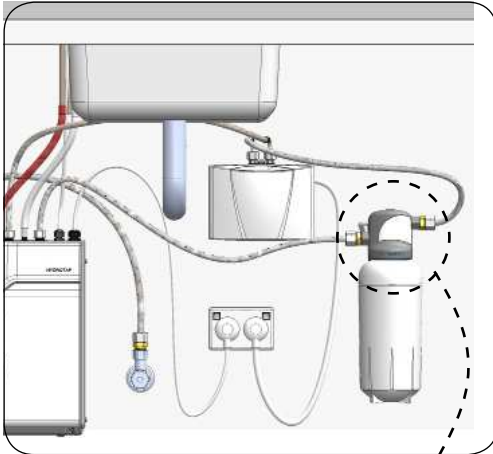
Typical Installation



# Section 4

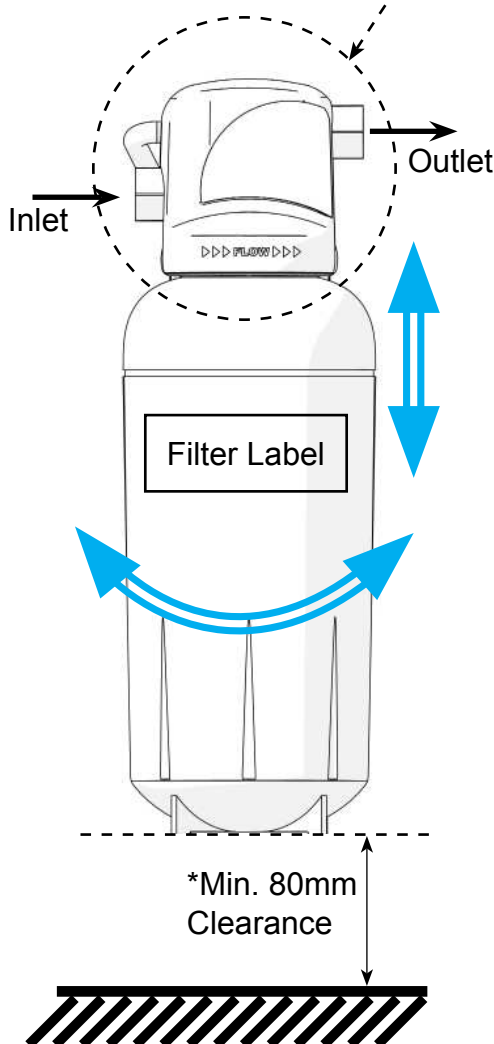
## Filter / Softener installation

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



### 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 5.5 - 5.7. 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 Sections 5.1 and 5.2.

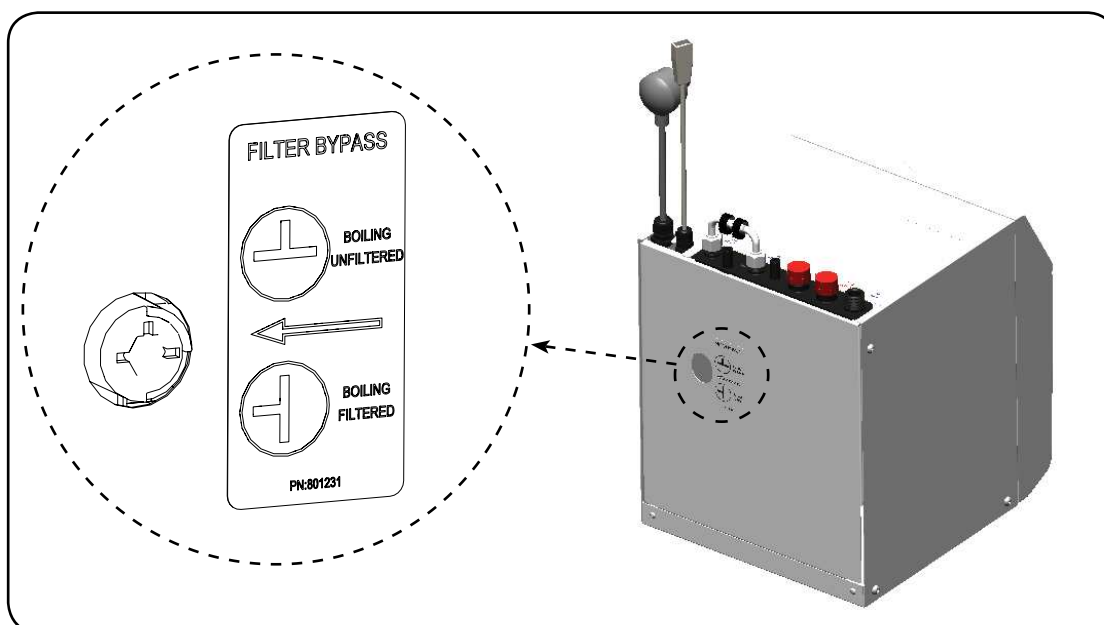
# Section 5

## Undersink Unit installation

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

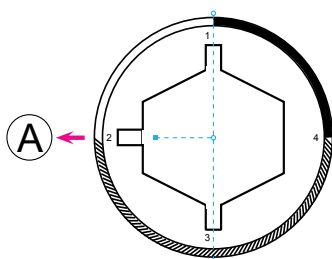
### 5.1 External Bypass Valve

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

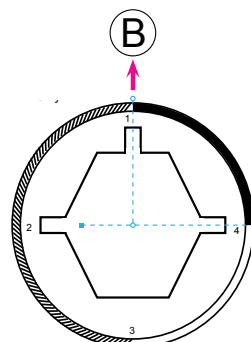


Check the table below to determine which filter bypass position you need for your product.

If no external filter is installed, select position A



If an external filter is installed, select position B

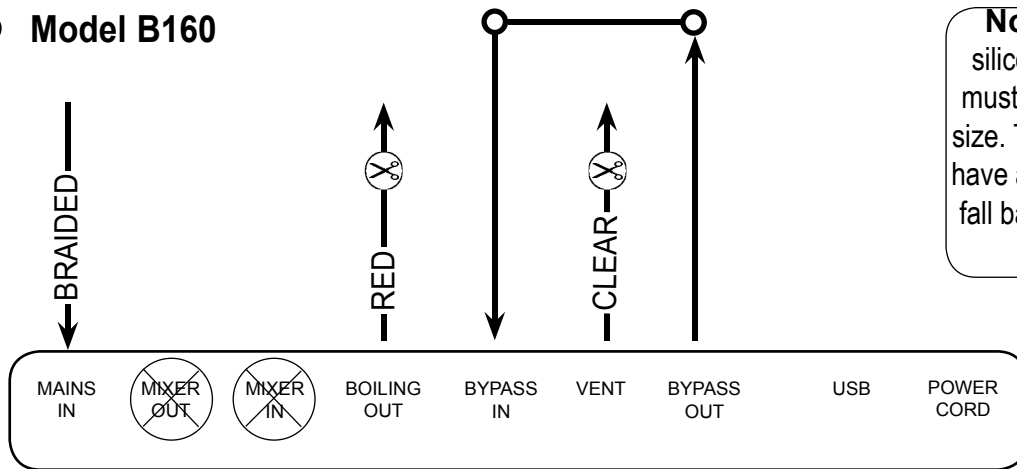


### 5.2 Hose and tube fitting. (Do not overtighten)

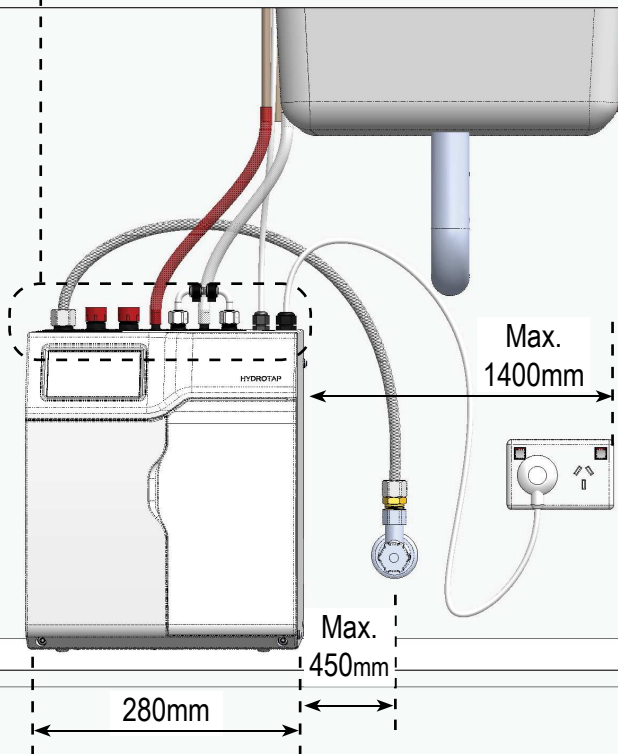
- Remove all caps from the top of the undersink unit
- Install the mains water braided hoses to the undersink unit before locating the unit in place.

## Installation Instructions

### 5.3 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 under sink unit close to the outlet tap, within reach of the hose and cord lengths supplied

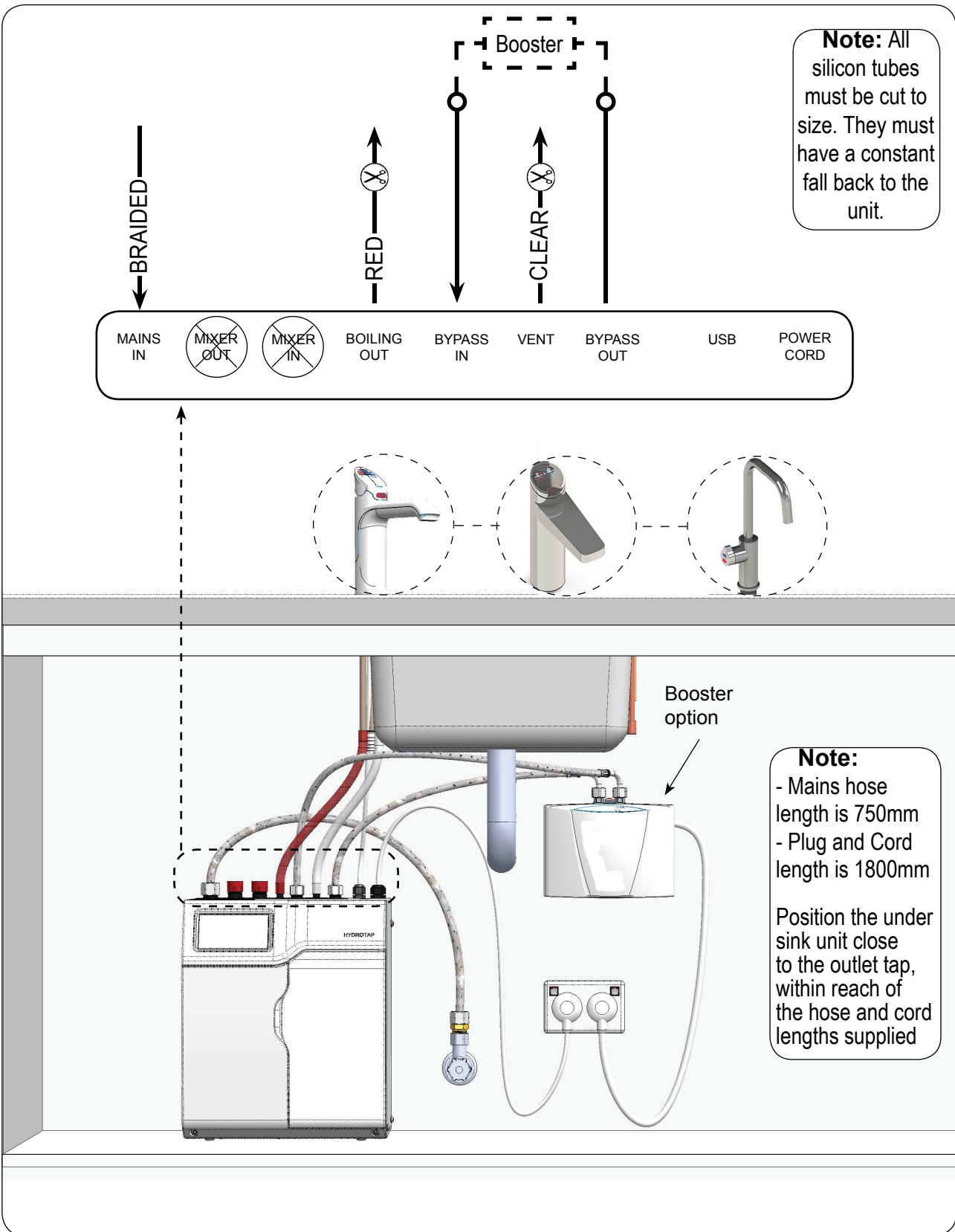


**Note:** The tube lengths are matched to the pumps performance and therefore CANNOT be lengthened



: Not required for BO HydroTap.

## 5.4 Model B240



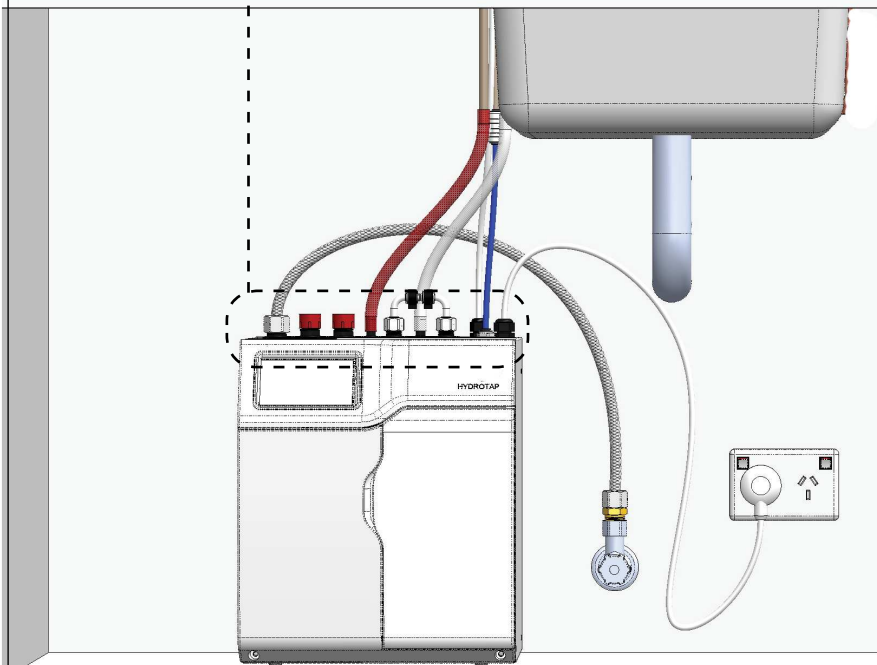
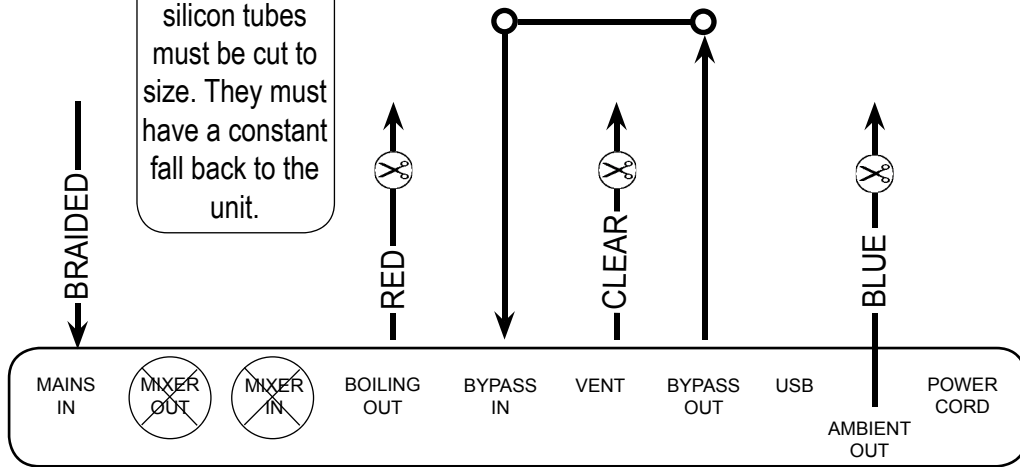
**Note:** The tube lengths are matched to the pumps performance and therefore CANNOT be lengthened

⊗ : Not required for BO HydroTap.

## 5.5 Model BA160



**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 under sink unit close to the outlet tap, within reach of the hose and cord lengths supplied



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

**Note:** To ensure ambient temperatures are maintained, fit the supplied insulation to the Blue tube.

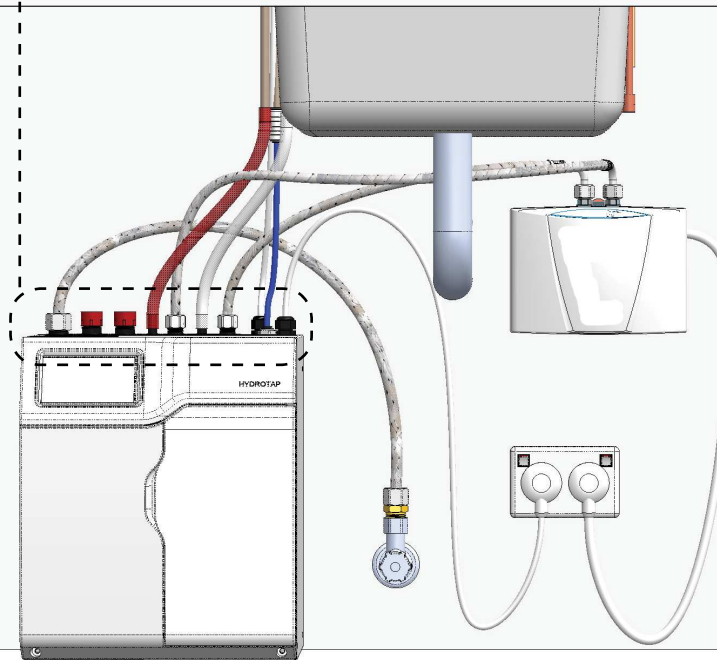
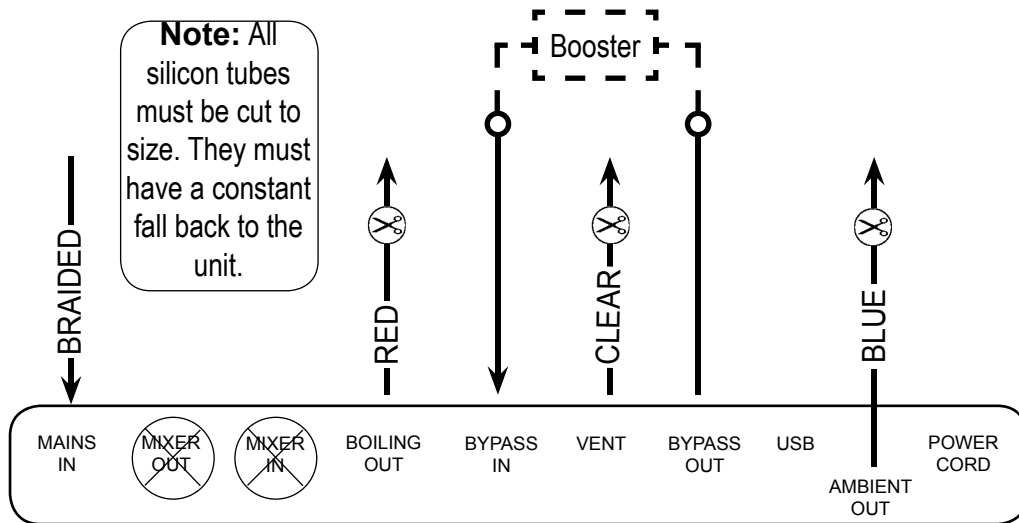
: Not required for BA HydroTap.



## 5.6 Model BA240



**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 under sink unit close to the outlet tap, within reach of the hose and cord lengths supplied



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

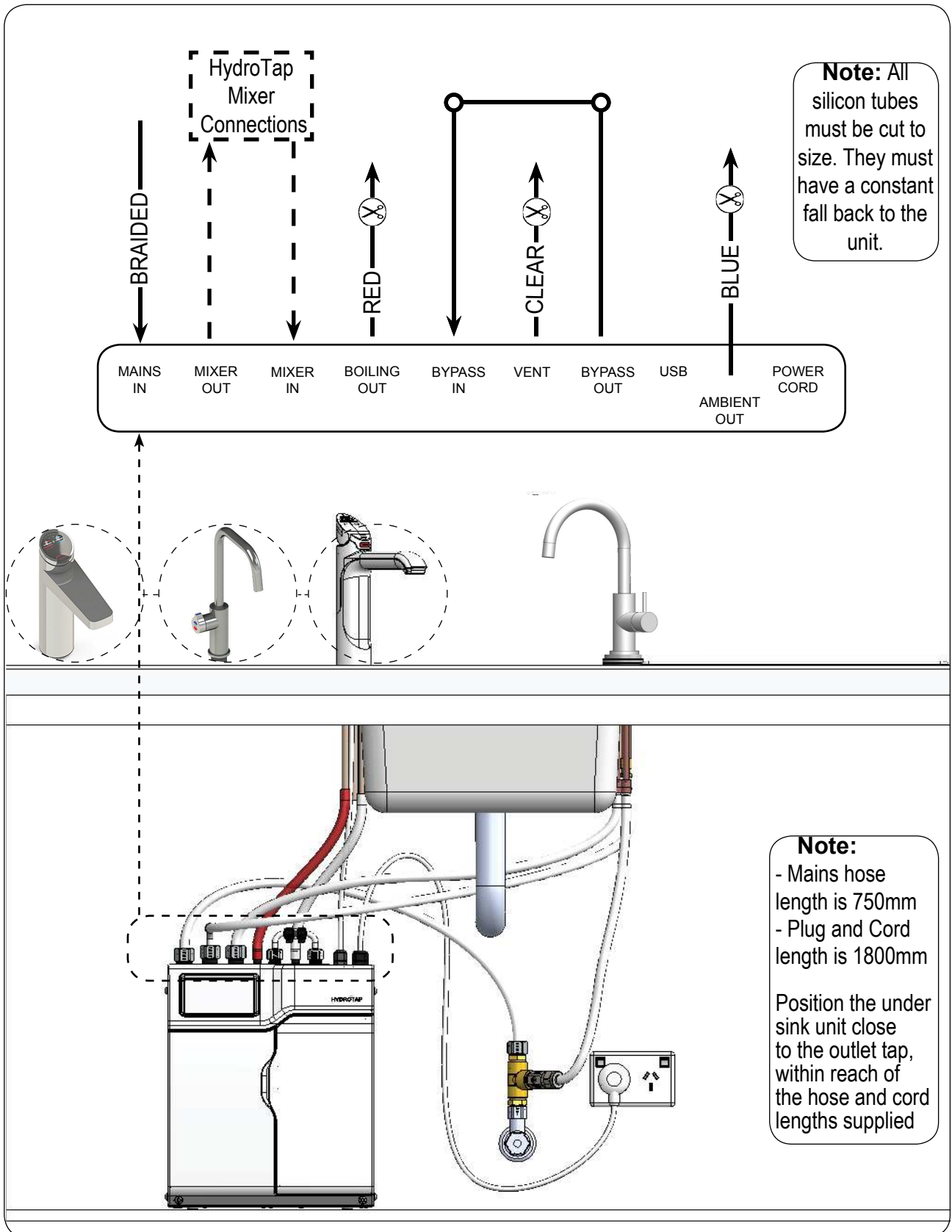
**Note:** To ensure ambient temperatures are maintained, fit the supplied insulation to the Blue tube.



: Not required for BA HydroTap.



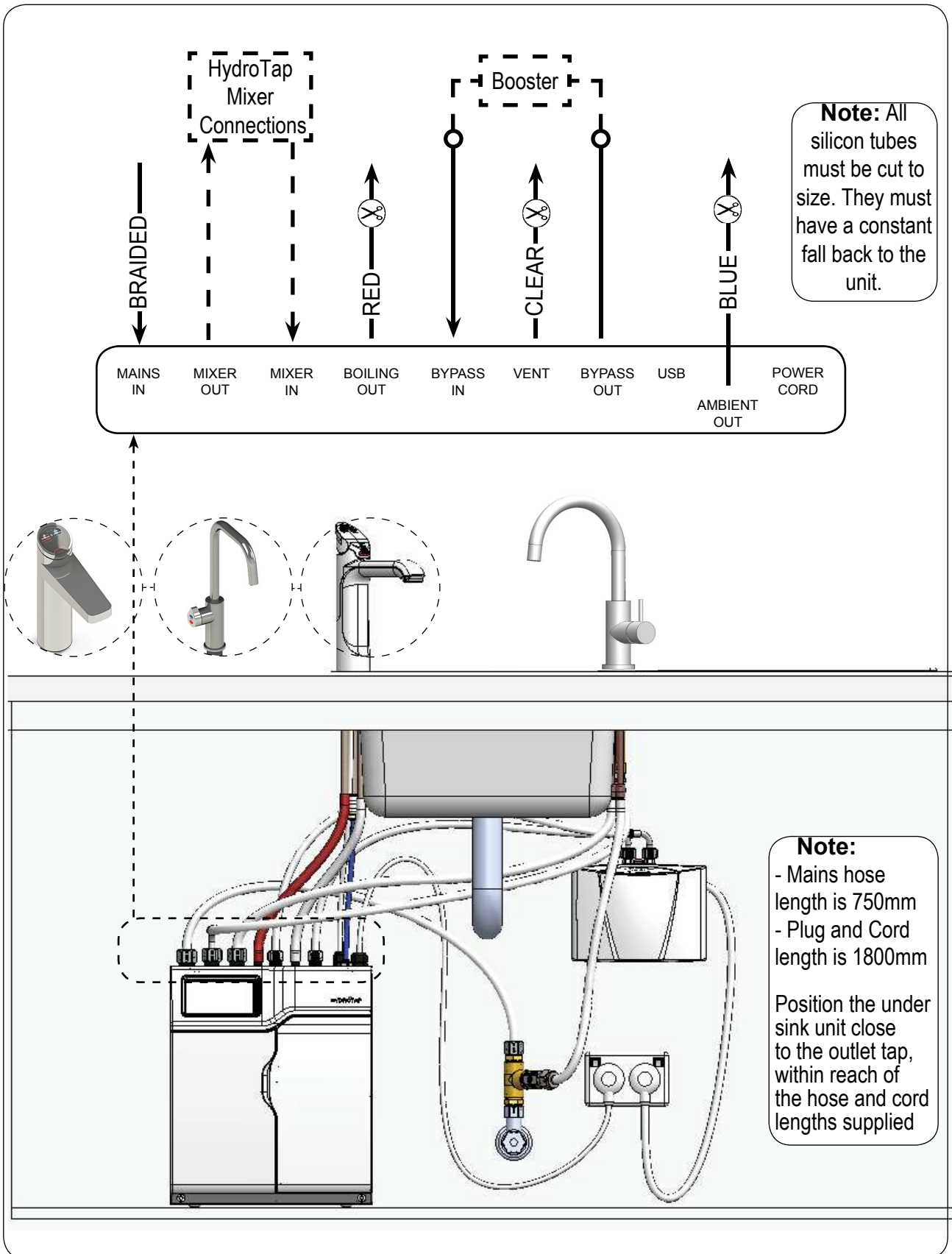
## 5.7 Model BHA160 3-In-1 and BAHA160 4-in-1



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

**Note:** To ensure ambient temperatures are maintained, fit the supplied insulation to the Blue tube.

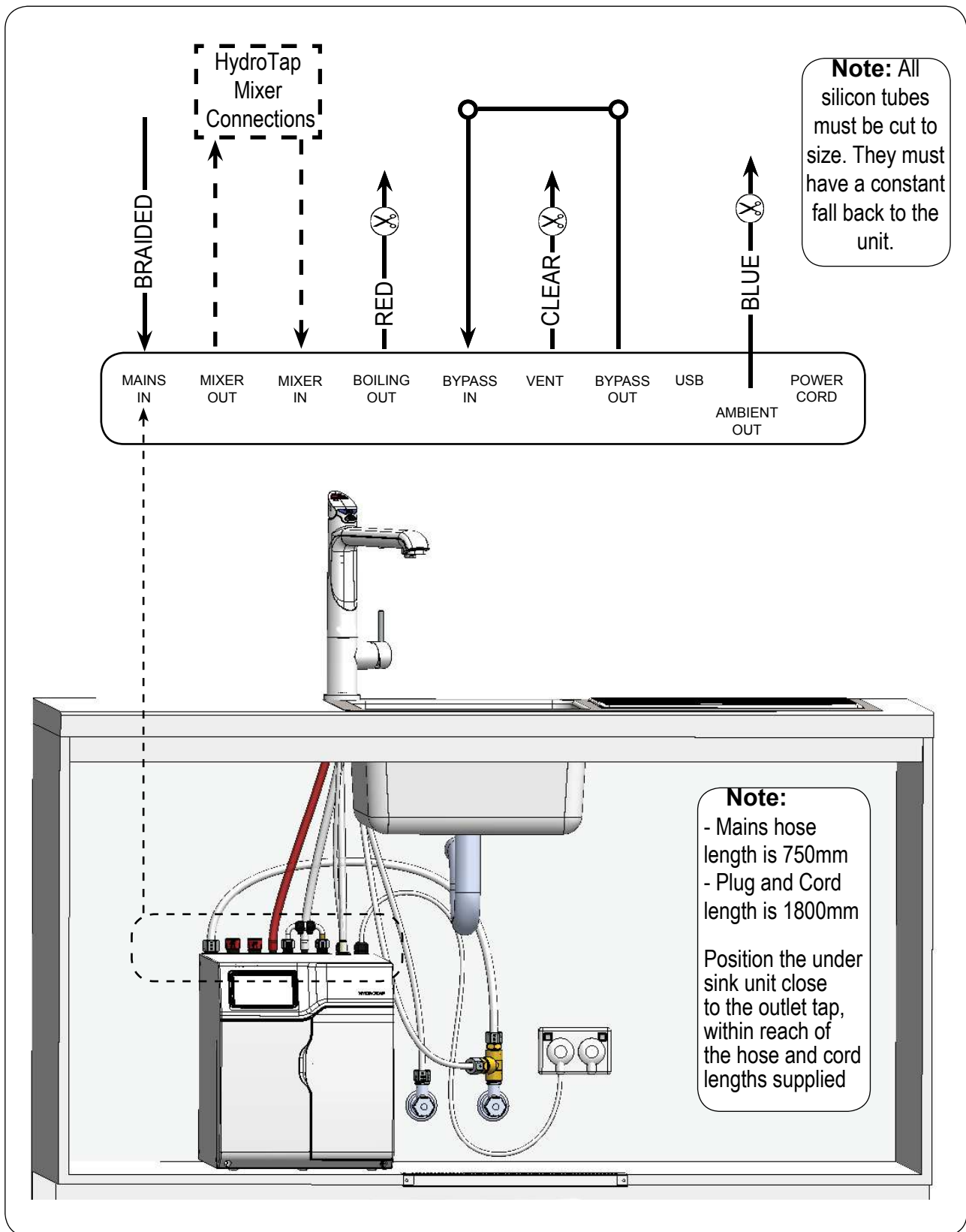
## 5.8 Model BHA240 3-In-1 and BAHA240 4-in-1



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

**Note:** To ensure ambient temperatures are maintained, fit the supplied insulation to the Blue tube.

## 5.9 Model BHA and BAHA160 All-In-One (Mains)



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

**Note:** To ensure ambient temperatures are maintained, fit the supplied insulation to the Blue tube.

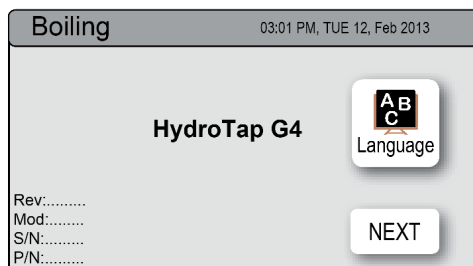
# Section 6

## Commissioning

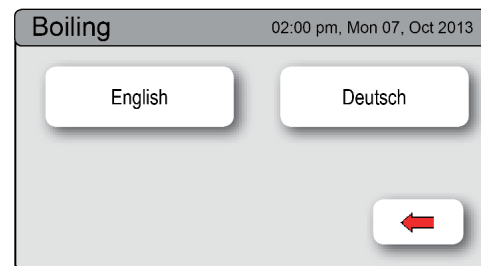
- Turn ON the water and check for any leaks.
- Turn the power ON at the GPO
- If fitted, ensure the Booster is turned OFF. (The Booster is commissioned, later, at section 6.4)
- Familiarise yourself with the operation of the Tap, in preparation for use (See User Guide)
- Follow the Installation instructions below (and review Section C of the User Guide).
- After commissioning, the system may be customised by selecting further options in Section G - Settings, within the User Guide.

### 6.1 - Select the Language

Initial Commissioning screen

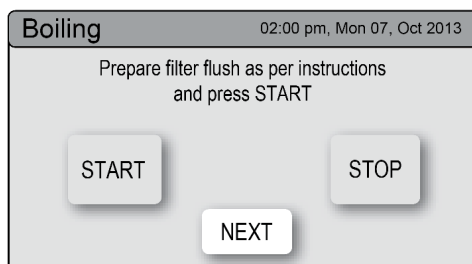
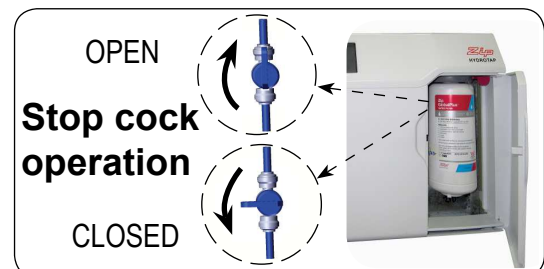


Language selection screen



### 6.2 - Filter Flush

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.

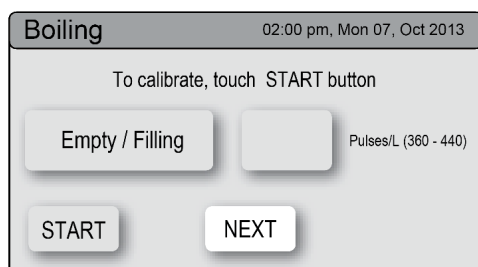


1. Turn the stop cock ON
2. Press [Start] [Stop] buttons to start and stop the filter flush.
3. Allow at least 10 litres of water to flush through the filter.
4. Once the filter flush is finished, Turn the stop cock OFF then press [Stop] to end filter flush mode.
5. Press [Next] and the View screen will show the Flow calibration mode.



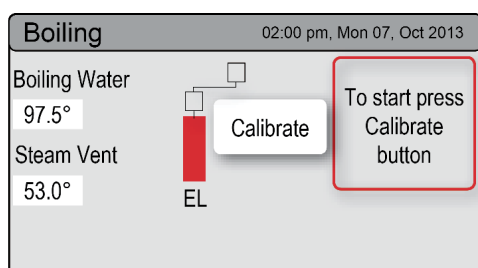
**NOTE:** For any subsequent filter changes or any operational procedures, please refer to the HydroTap user guide, located inside the filter housing access door.

## 6.3 - Flow Calibration



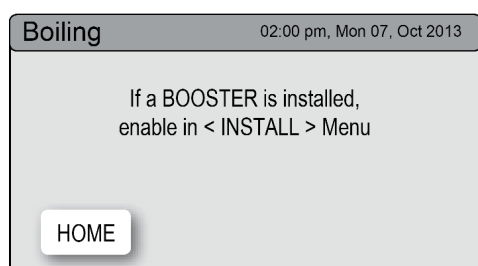
1. Press the [Start] button and the tank will first empty then fill. This will take approx 5 minutes.
2. Upon completion the actual pulse will be displayed.
3. Press [Next] for the Boiling Calibration screen.

## 6.4 - Boiling Calibration



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

## 6.5 - Booster

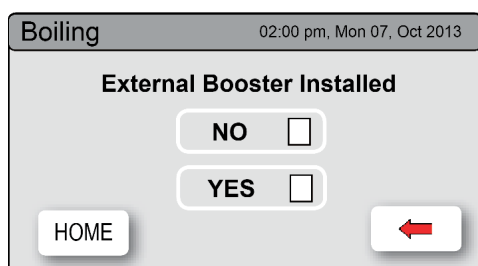


- Upon completion, a Booster reminder screen will appear and allow you to return home by pressing the [Home] button.
- Check the Date and Time settings (See Note below)

**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.



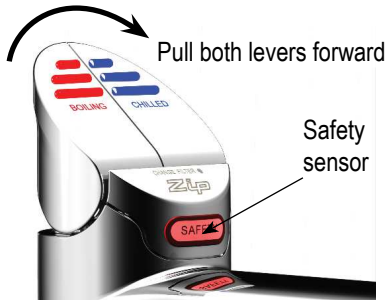
HydroTap Booster Screen

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

## Safety Sensor Calibration

### 6.6 - Safety Sensor Calibration

Light intensity varies from site to site, therefore it is recommended that a re-calibration be performed at the time of the installation. All direct natural sun light must be shaded from the HydroTap, during the calibration. This can be achieved by closing any nearby curtains, blinds, or by shielding the HydroTap with a dark cloth.



1. With the unit in Normal operating mode and with the safety enabled
2. Turn the power OFF
3. Pull both tap levers to the forward position
4. Turn ON the power
5. The unit will calibrate the safety switch
6. Return the levers to the neutral position.
7. To check the calibration, dispense Boiling water, in normal light conditions with the safety enabled.

## 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.

## Trouble Shooting

<b>System Fault Message</b>	<b>Possible Cause</b>	<b>Solutions</b>
Power board fault	Electrical disruption	Check power supply and all fuses
Interface fault	Internal fault	Call Zenith Service
Level board fault	Internal fault	Call Zenith Service
Water leak, Isolate mains	Water leak	Turn off mains water supply / Call for service
Water supply failed	No water	Check water supply is turned ON
Hot sensor Open	Internal fault	Call Zenith Service
Hot sensor Closed	Internal fault	Call Zenith Service
Flood sensor Open	Internal fault	Call Zenith Service
Heater fuse / driver fault	Internal fault	Call Zenith Service
Heater driver fault	No hot water	Call Zenith Service
Hot sensor degraded	Internal fault	Call Zenith Service
A DC Pump is faulty	Internal fault	Call Zenith Service
Steam is too cool	Internal fault	Call Zenith Service
Steam sensor Open	Internal fault	Call Zenith Service
Steam sensor Closed	Internal fault	Call Zenith Service
Over Steamed	Internal fault	Call Zenith Service
Hot tank overfilled	Internal fault	Call Zenith 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 Zenith Service
Flow Sensor Fault	Internal fault	Call Zenith Service

Call an electrician, a plumber, or Zenith for a free call 0800 558055 for assistance, service, spare parts or enquiries.

## Contact Details

### Head Office

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Website: [www.zenithheaters.co.nz](http://www.zenithheaters.co.nz)

Int. Phone: +(64 9) 838 8612  
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As Zenith 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 “Zenith” and “HydroTap” are registered trade marks of Zip Heaters (Aust) Pty Ltd.

Zenith 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.



zenith°