

Installation instructions

Zip HydroTap® G4



It's water. Refreshed.

Tap range.

Model number:

(See table of contents for specific models).



Tap options

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



Classic range



Arc / Cube range



Elite range

These standalone taps offer instant boiling, chilled and sparkling water* and are directly compatible with the G4 Command-Centre.



Mixer range

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



Classic All-in-One



Celsius All-in-One

The All-in-One taps may be used as alternatives to the above HydroTap and mixer tap combinations*.



Celsius range

The Celsius range offer instant boiling, chilled and sparkling / boiling and chilled / boiling and ambient / chilled and sparkling / chilled or boiling* water together with the an integral mixer to provide mixed hot and cold water from the mains.

*Dependant upon model purchased.

Table of contents

Tap options	2
Generic installation instructions	4
Min / Max water supply pressure requirements	4
Special tool requirements	4
Hole & tap positioning	5
Clearance envelope.....	6
Command Centre connection table	6
Tap installation	
Section 1 - Classic and Elite HydroTap G4 installation.....	7
Section 2 - Arc / Cube HydroTap G4 installation	8
Section 3 - Vented Classic Mixer tap installation	11
Section 4 - Mains Arc & Cube Mixer tap installation	12
Section 5 - Vented Arc & Cube Mixer tap installation	13
Section 6 - Mains All-in-One tap installation	15
Section 7 - Vented All-in-One tap installation	18
Section 8 - Mains Celsius tap installation	21
Section 9 - Mains All-in-One Celsius Arc tap installation.....	24
Product information	
End of life disposal	27
Contact details	28



Using these instructions

These instructions are provided primarily to demonstrate how to install HydroTap G4 taps and do not provide sufficient information to install and commission complete HydroTap G4 systems.

Please refer to all safety and installation requirements detailed in the Quick start guide provided with the Command-Centre, and Command-Centre installation instructions found online prior to any change to the complete system.



Before commencing the installation, download & read the Command Centre installation instruction manual, which can be found online at:
(Australia) www.zipwater.com
(UK) www.zipwater.co.uk

Min / Max water supply pressure requirements

HydroTaps and Mains All-in-One & Celsius taps sparkling models.....0.30 MPa (3.0 bar) - 0.7 MPa (7.0 bar)
 HydroTaps and Mains All-in-One & Celsius taps non-sparkling models.....0.17 MPa (1.7 bar) - 0.5 MPa (5.0bar)
 Vented All-in-One sparkling models.....0.25 MPa (2.5 bar) - 0.5 MPa (5.0 bar)
 Mixer taps and Vented All-in-One non-sparkling model taps.....0.25 MPa (2.0 bar) - 0.5 MPa (5.0 bar)



Be aware of the risks of hazards which could cause harm when using tools. Assess the risks before starting the installation.

Tap installation special tool requirements In addition to normal tools, the following (or equivalent equipment) will be required.

For the HydroTap G4, Celsius and mixer taps (for All-in-One Celsius Arc see below).

- 35mm diameter sheet metal hole punch for sinks (not supplied).
- 35mm diameter hole saw for worktops (not supplied).
- Nut runner tube spanner (supplied for all but Celsius & mixer taps) for fixing the tap assembly.

For the All-in-One tap & All-in-One Celsius Arc.

- 50mm diameter sheet metal hole punch for sinks (not supplied).
- 50mm diameter hole saw for worktops (not supplied).
- Nut runner tube spanner (not supplied for All-in-One Celsius Arc) for fixing tap assembly.

Font installation special tool requirements

- Hole saw or equivalent to suit surface being cut. Ø140mm for Arc / Cube and Ø108mm for Classic and Elite.

Hole positioning

- Position the tap such that it dispenses into the sink bowl with ample clearance for a cup or tea pot. Alternatively, the tap could be mounted away from the sink using a Zip Font, available as an accessory.

Tap positioning

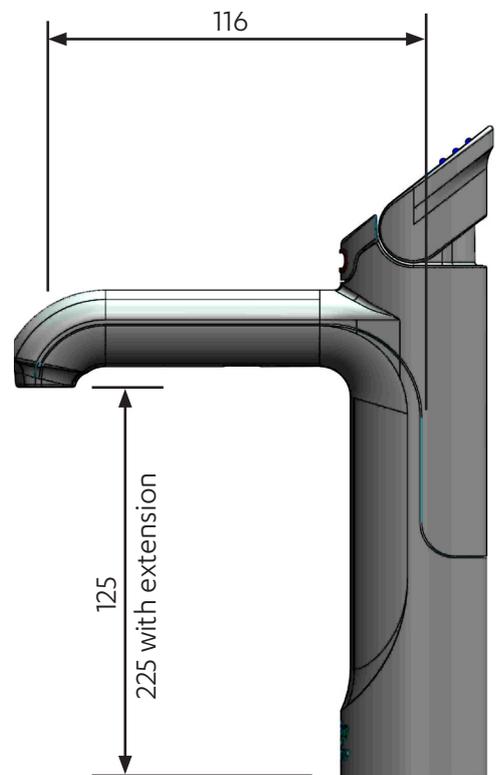


Ensure that taps are positioned to minimise the risks of scalding by dispensing boiling water while using the mixer tap.

Tap	Recommended dispensing distance (mm)
Elite	116
HydroTap Classic	116
HydroTap Arc/Cube	171 (-174 extended)
All-in-One	211
Celsius All-in-One Arc	220
Celsius - Arc/Cube	220
Mixer - Arc	220
Mixer - Classic	270
Mixer - Cube	220

Note

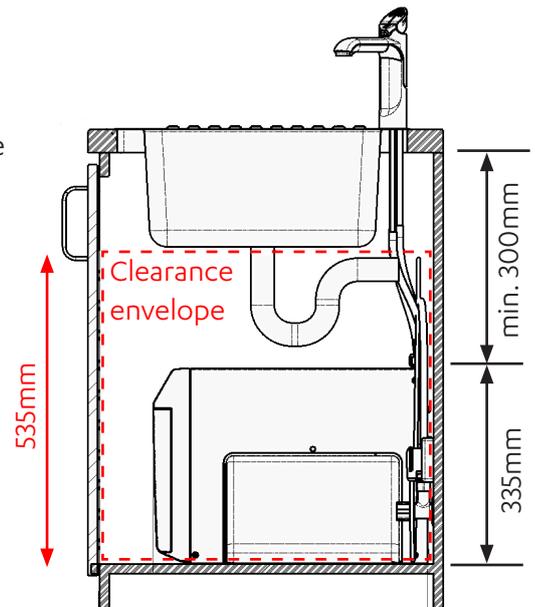
- Celsius, All-in-One and mixer taps have spouts that swivel.
- All images are for illustrative purposes, to aid understanding of the system configuration, and are not prescriptive of tap positioning.
- Ensure that the taps are mounted in a position that allows the water to safely drain to waste throughout the positional range.



HydroTap G4 Classic

Clearance envelope

- See adjacent diagram.
- A clearance envelope around all Command-Centres must be provided to allow adequate ventilation for the safe and effective use of the HydroTap G4 system.
- The tap must have adequate clearance to correctly dress tubes and hoses without kink or sagging.
- Allow space for the threaded boss and the connection pipes.



Command Centre connection table - for reference

All plastic pipes / silicone tubes must be trimmed to size. They must have a constant fall to the Command-Centre.

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

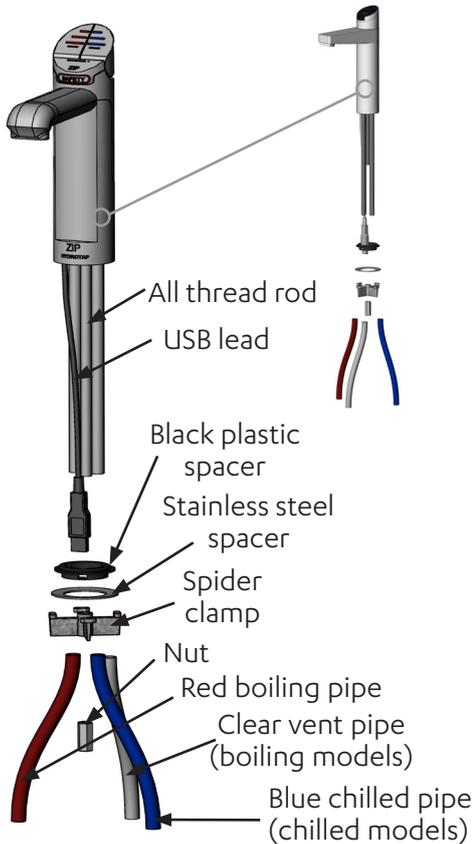
Mains In ●—●	Mains water supply. Wholesome (cat 1).
Mains power ●—●	IEC power lead, 230V AC 50Hz 13A socket.
USB ●—●	Connect to the Tap—make sure they click together and are secured up off the floor of the cupboard.
CO₂ IN ●—●	Connect the 1/4' connection from the CO ₂ cylinder.
Boiling out ●—●	Cut to length Red hose from tap. No kinks, bends or loops. Must fall from tap directly to Command Centre.
Chilled out ●—●	Connect the JG 1/4' pipe to this push fit outlet. There is another push fit JG fitting for the tap.
Vent ●—●	Cut to length clear hose from tap. No kinks, bends or loops. Must fall from tap directly to Command Centre.
Sparkling out ●—●	Connect a piece of JG 1/4' pipe to this outlet. Fit the carbonation valve to the pipe, then connect valve to tap.
Bypass in ●—●	Only used for Booster (supplied with 240/175 models) & scale filter. Braided hose from Booster outlet (or scale filter).
Bypass out ●—●	Only used for Booster (supplied with 240/175 models) & scale filter. Braided hose from Booster inlet (or scale filter).
Mixer in ●—●	Only used when supplied with a special 3 hose mixer tap from Zip. Leave the red dust caps on if not used. If using a mixer tap connect to the blue marked braided hose from mixer tap.
Mixer out ●—●	Only used when supplied with a special 3 hose mixer tap from Zip. Leave the red dust caps on if not used. If using a mixer tap connect to the red marked braided hose from mixer tap.

Cut hoses to length, no clamps are required on silicone hoses.



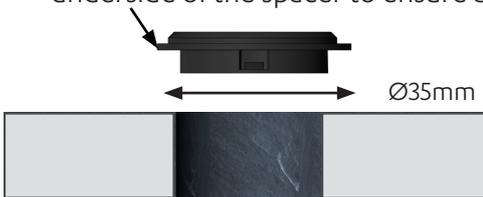
Classic Elite

1.1 Configure the tap



1.2 Cut the hole & fit the spacer

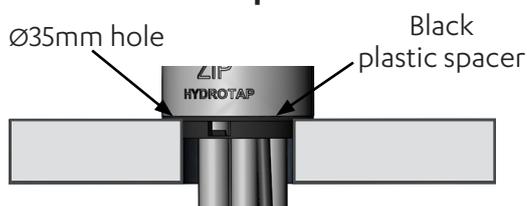
- Apply a light smearing of silicone sealant on the underside of the spacer to ensure a watertight fit.



- Cut a Ø35mm hole in the worktop / sink.

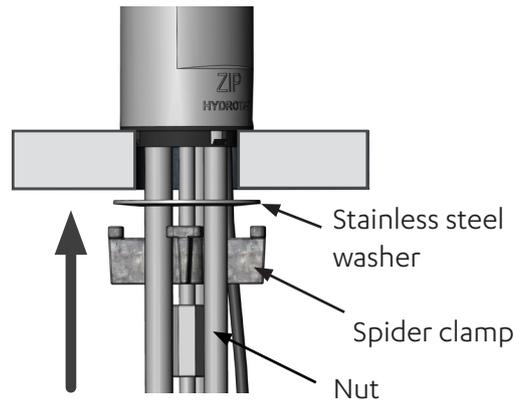
Note Make sure the tap location will allow the tap spout to drain into the sink.

1.3 Mount the tap



- Pass the tubes and USB cable through the Ø35mm hole.

1.4 Secure the tap

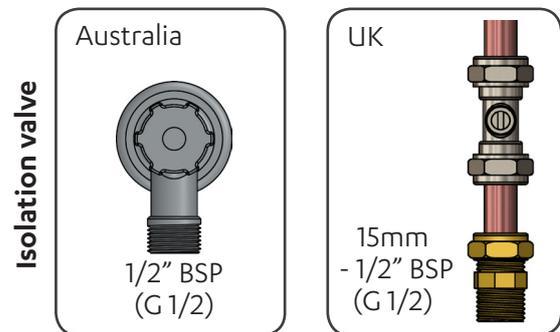


- Fit the stainless steel washer & spider clamp.
- Secure with nut.
- Feed each of the tubes and USB cable evenly in between the legs of the spider clamp during installation.

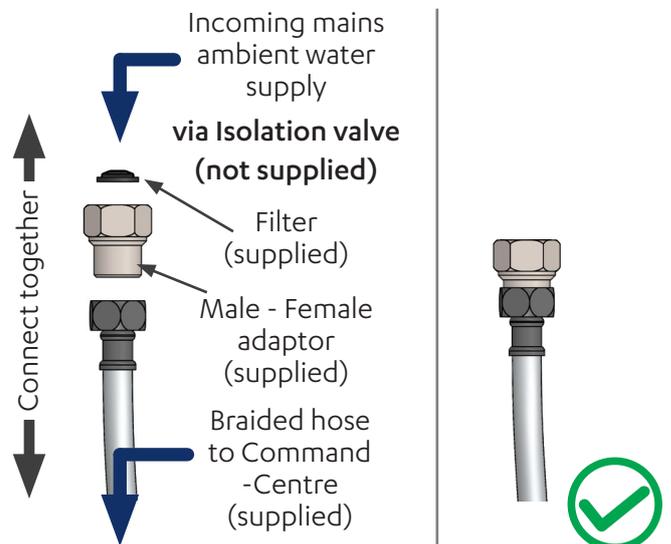
1.5 Connect the water supply (detail shown, assembled and disassembled)



Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



Ambient mains water supply



SECTION 2 Arc & Cube HydroTap installation

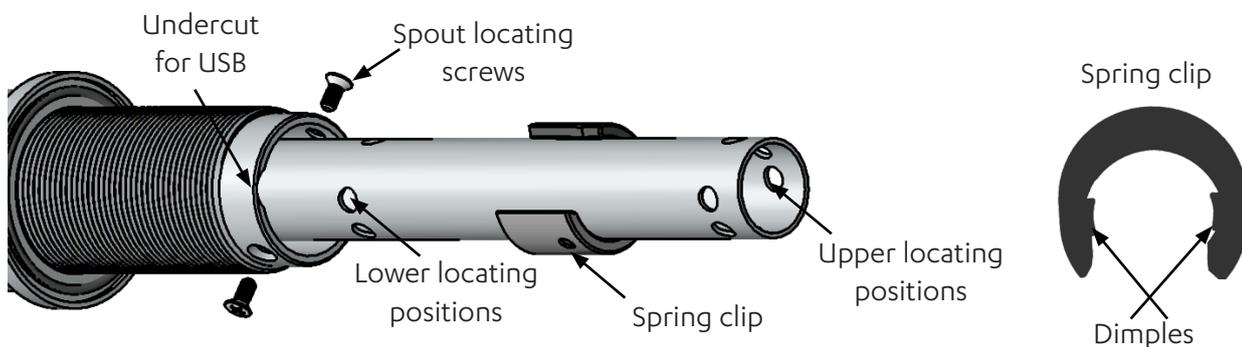


The Arc / Cube have spouts that may be fixed in 1 of 6 angular positions and 1 of 2 height positions. The spout is fixed and does not swivel.

Arc / Cube

2.1 Configure the tap (see diagram below)

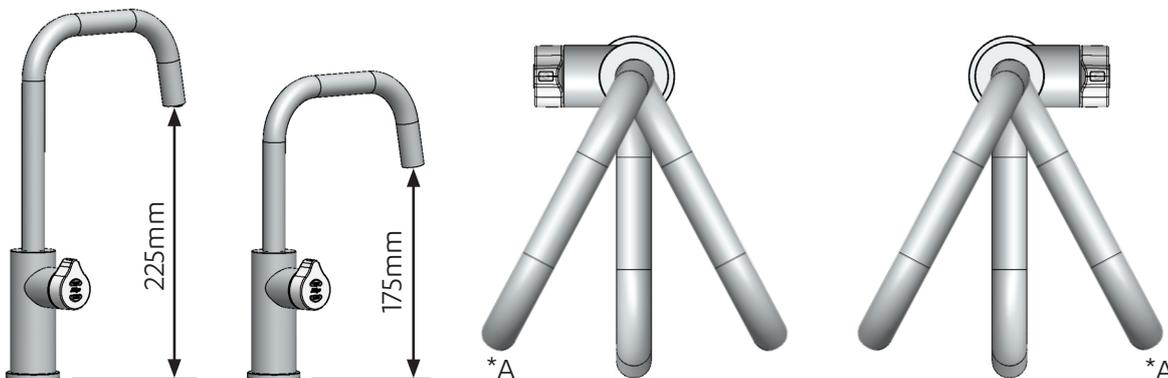
- Remove spout locating screws, lower spout to expose the plastic spring clip.
- To reposition spout, prise open spring clip.
- Slide spring clip up/down to engage selected holes.
- Ensure dimples engage simultaneously with the two selected holes.
- Raise the spout (ensure USB lead fits in undercut and open ends of the clip).
- Align clip with locating holes, & refit the 2 x locating screws.



2.2 Adjust the height & angle (fixed position options, see below)

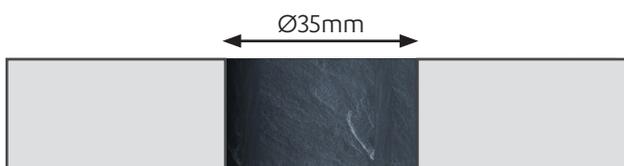


Scalding risk, Position *A should not be selected with boiling water models.

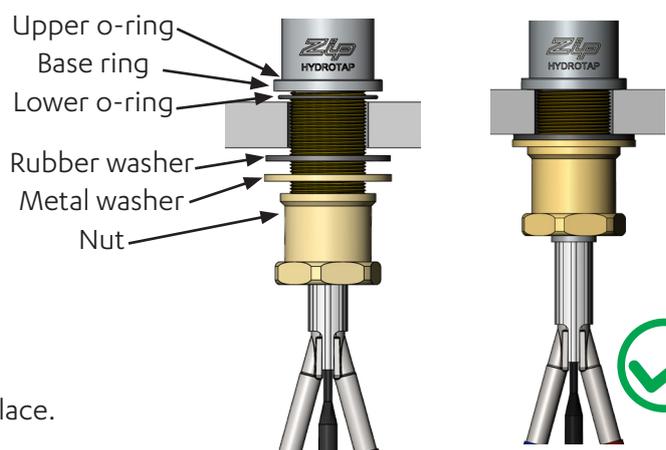


2.3 Cut the hole & mount the tap

- Cut a $\varnothing 35\text{mm}$ hole in the worktop / sink.

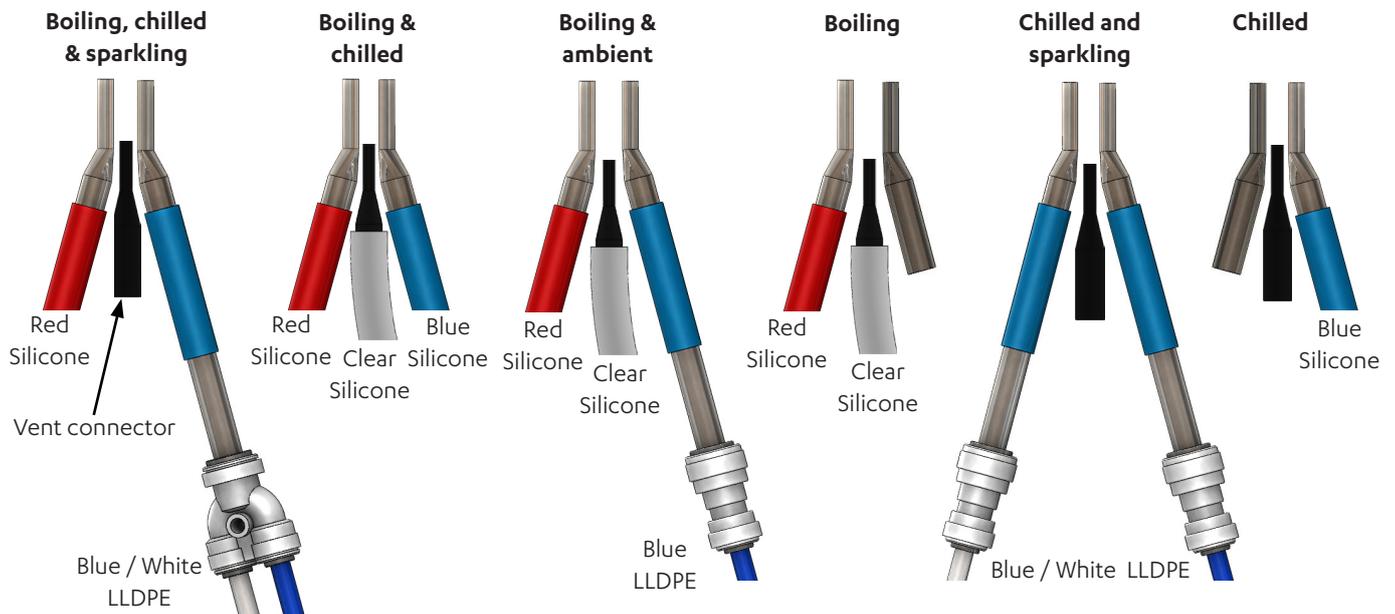


- Slide o-rings in place.
- Mount tap in position on $\varnothing 35\text{mm}$ hole.
- Slide lower rubber washer & metal washer over threaded boss, tighten the tap nut to secure in place.
- Do not over tighten.



SECTION 2 Arc & Cube HydroTap installation

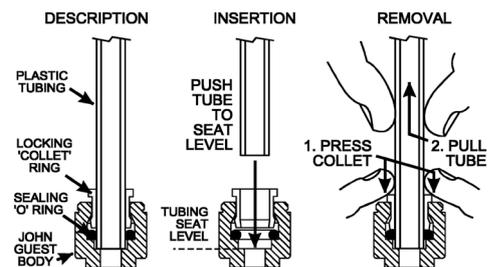
2.4 Fit the tube kit (The L/H & R/H positions of the three way silicone tube are interchangeable) refer to instruction supplied with the tube kit, and the configuration diagrams below .



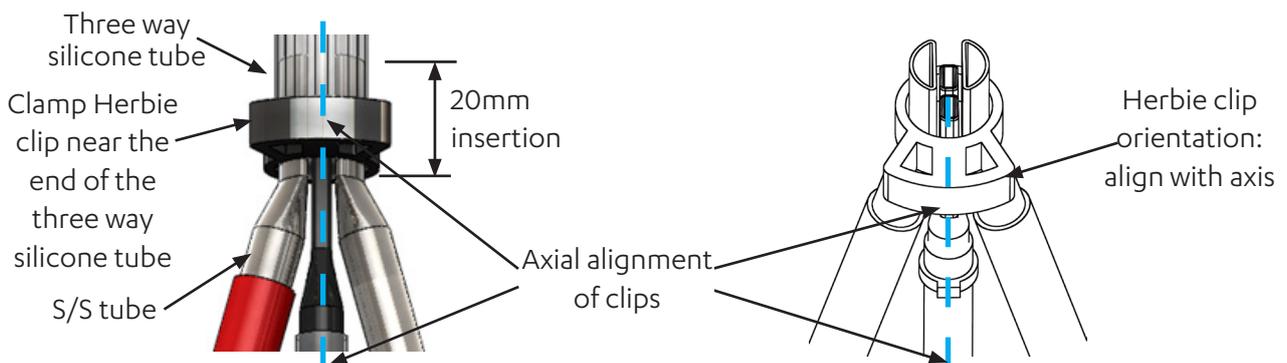
Note Fit the vent connector in ALL installations (to stabilise the tube assembly)

2.5 John Guest fittings (insertion and removal)

- Ensure cut tube has a clean, square & straight edge.
- Remove any residual material.
- Ensure tube remains round, without distortion.
- See adjacent diagram for fitting & removal.



2.6 Secure the tube kit

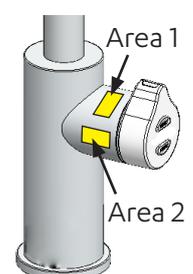


- Check the insertion depth as shown above.
- Ensure the Herbie clip is clamped close to the end of the three way silicone tube and aligned with the central axis, as shown above.
- Compress with pliers for tight fit.

2.7 Attach the label

- Clean tap, select correct label.
- Trim to size if required & fit to tap as indicated, see adjacent diagram.

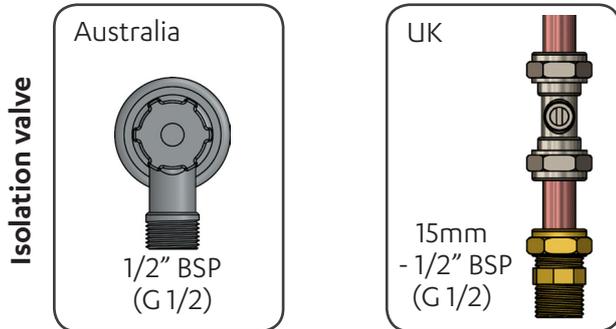
BOILING CHILLED SPARKLING	BOILING CHILLED	BOILING AMBIENT	BOILING	CHILLED SPARKLING	CHILLED
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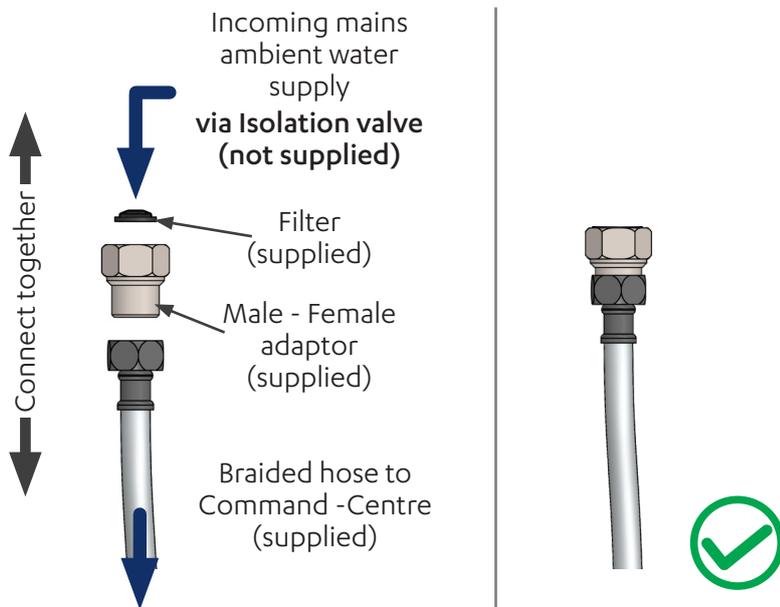
2.8 Connect the water supply (detail shown, assembled and disassembled)



Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



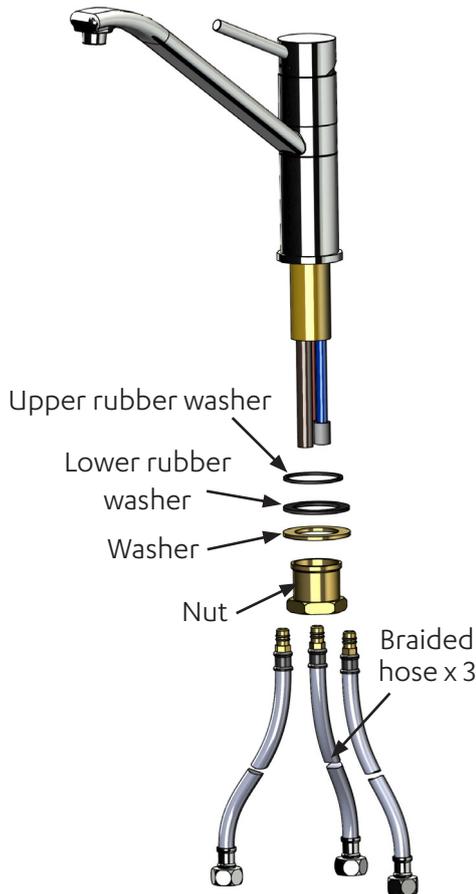
Ambient mains water supply





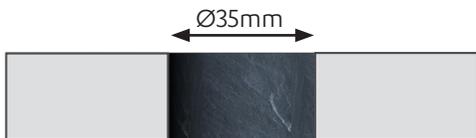
Classic

3.1 Configure the tap



3.2 Cut the hole & mount the tap

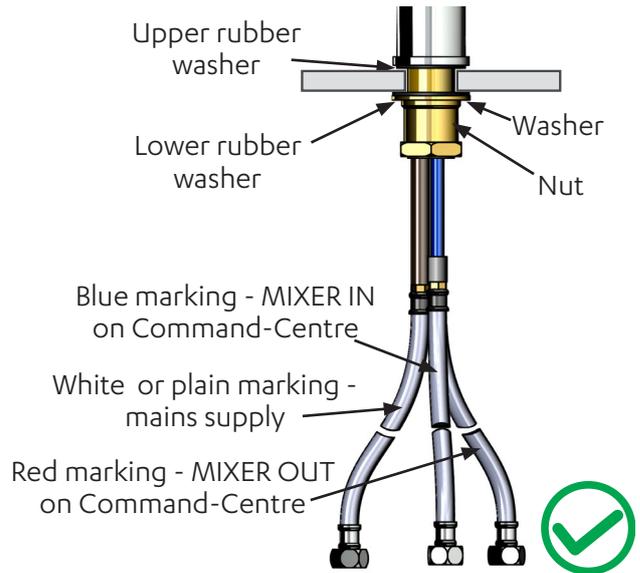
- Cut a Ø35mm hole in the worktop / sink.



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

- Slide upper rubber washer in place.
- Mount tap in position on Ø35mm hole.
- Slide lower rubber washer, metal washer then tap nut over thread extension.
- Tighten the tap nut to secure in place, do not over tighten.
- Match the braided hose and tap extension colour markings, attach the braided hoses.
- Ensure the seals on the end of the hoses are lubricated, do not over tighten.

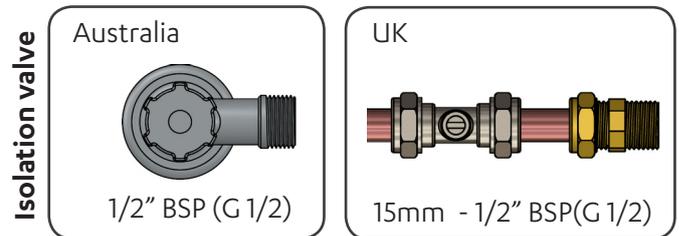
3.3 Fit the braided hoses (see 3.2)



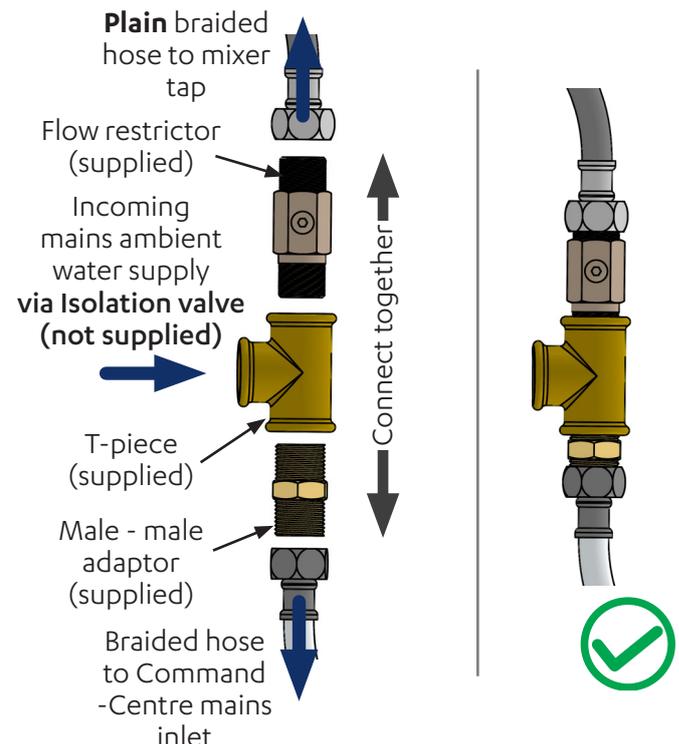
3.4 Connect the water supply (detail shown, assembled and disassembled)



Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



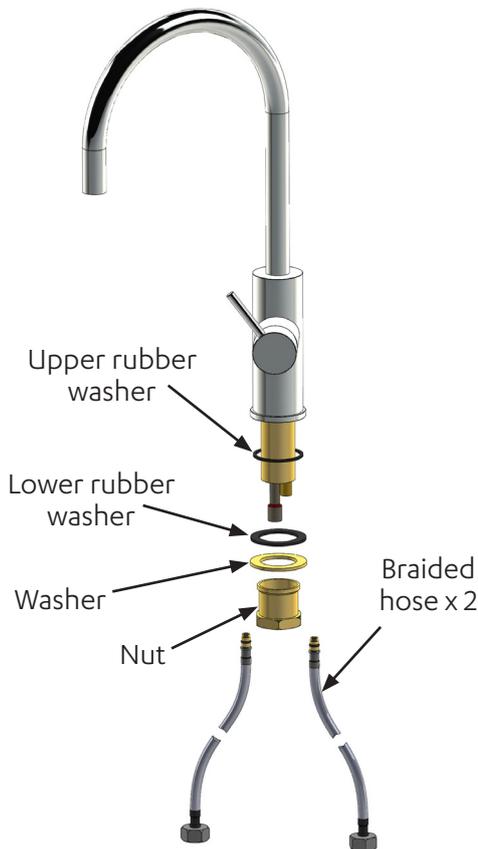
Ambient mains water supply





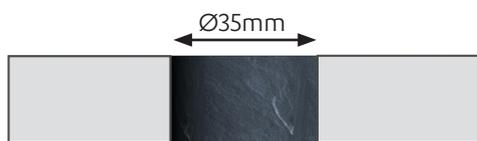
Arc Cube

4.1 Configure the tap



4.2 Cut the hole & mount the tap

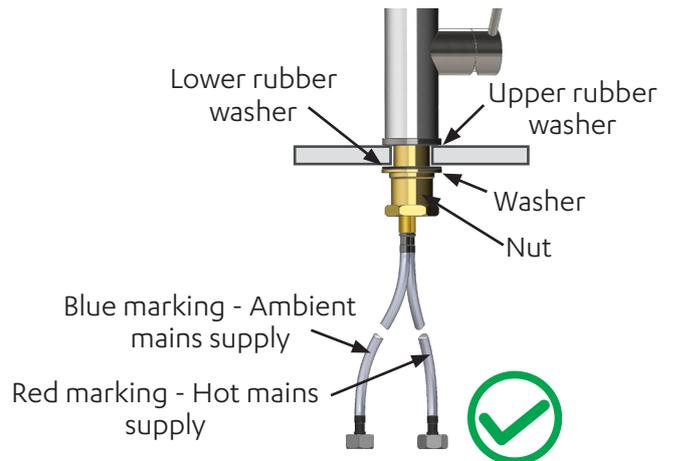
- Cut a Ø35mm hole in the worktop / sink.



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

- Slide upper rubber washer in place.
- Mount tap in position on Ø35mm hole.
- Slide lower rubber washer, metal washer then tap nut over threaded boss, then tighten the tap nut to secure in place, do not over tighten.
- Match the braided hose and tap extension colour markings. Attach the braided hoses.
- Ensure the seals on the end of the hoses are lubricated.
- Do not over tighten.

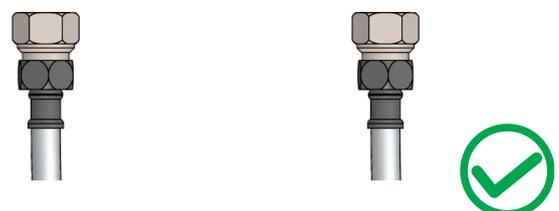
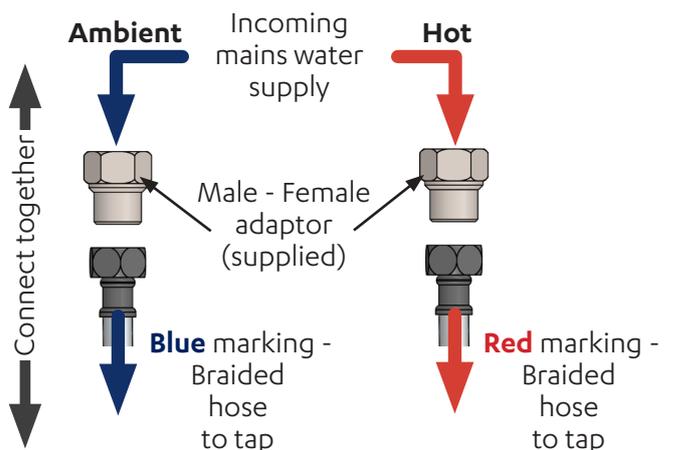
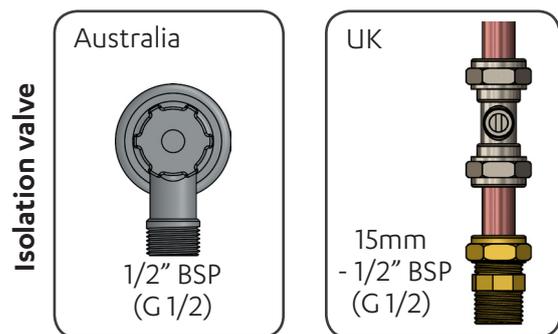
4.3 Fit the braided hoses (See 4.2)



4.4 Connect the water supply (detail shown, assembled and disassembled)



Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



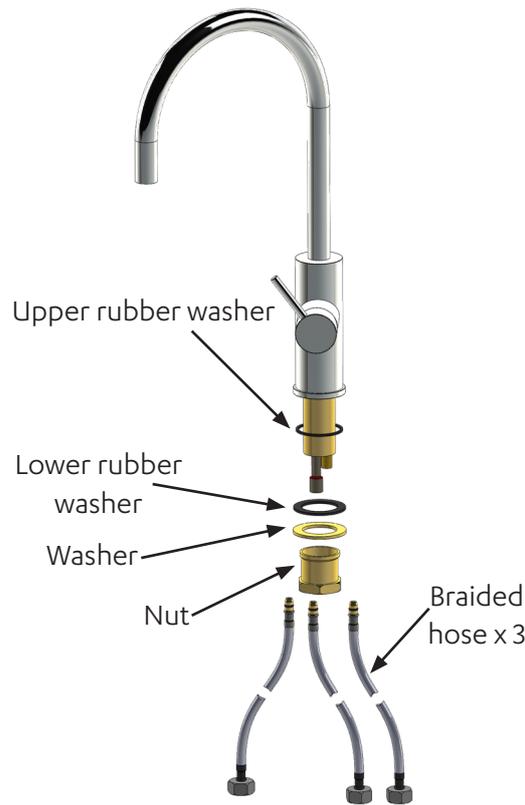


Arc

Cube

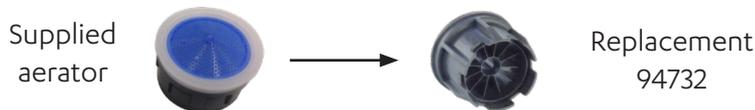
5.1 Configure the tap

- See adjacent diagram.



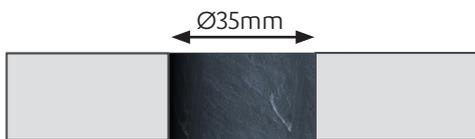
5.2 Low pressure installation

Replace the supplied Aerator with a 94732 flow straightener in the spout of the vented Zip mixer tap.



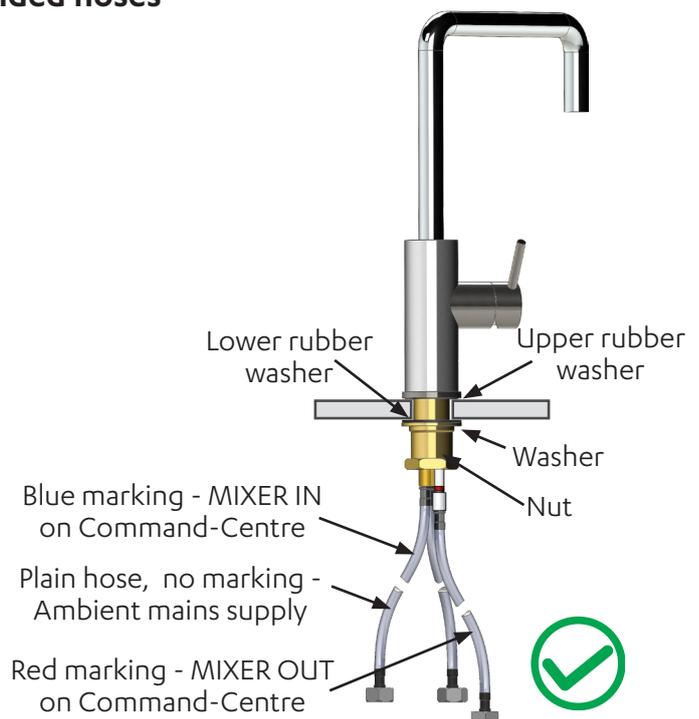
5.3 Cut the hole & mount the tap, fit the braided hoses

- Cut a Ø35mm hole in the worktop / sink.



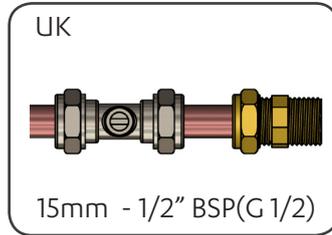
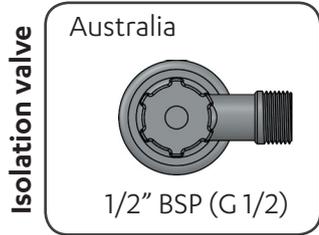
Note Make sure the tap location will allow the tap spout to drain into the sink.

- Slide upper rubber washer in place.
- Mount tap in position on Ø35mm hole.
- Slide lower rubber washer, metal washer then tap nut over threaded boss, then tighten the tap nut to secure in place, do not over tighten.
- Match the braided hose and tap extension colour markings. Attach the braided hoses.
- Ensure the seals on the end of the hoses are lubricated.
- Do not over tighten.

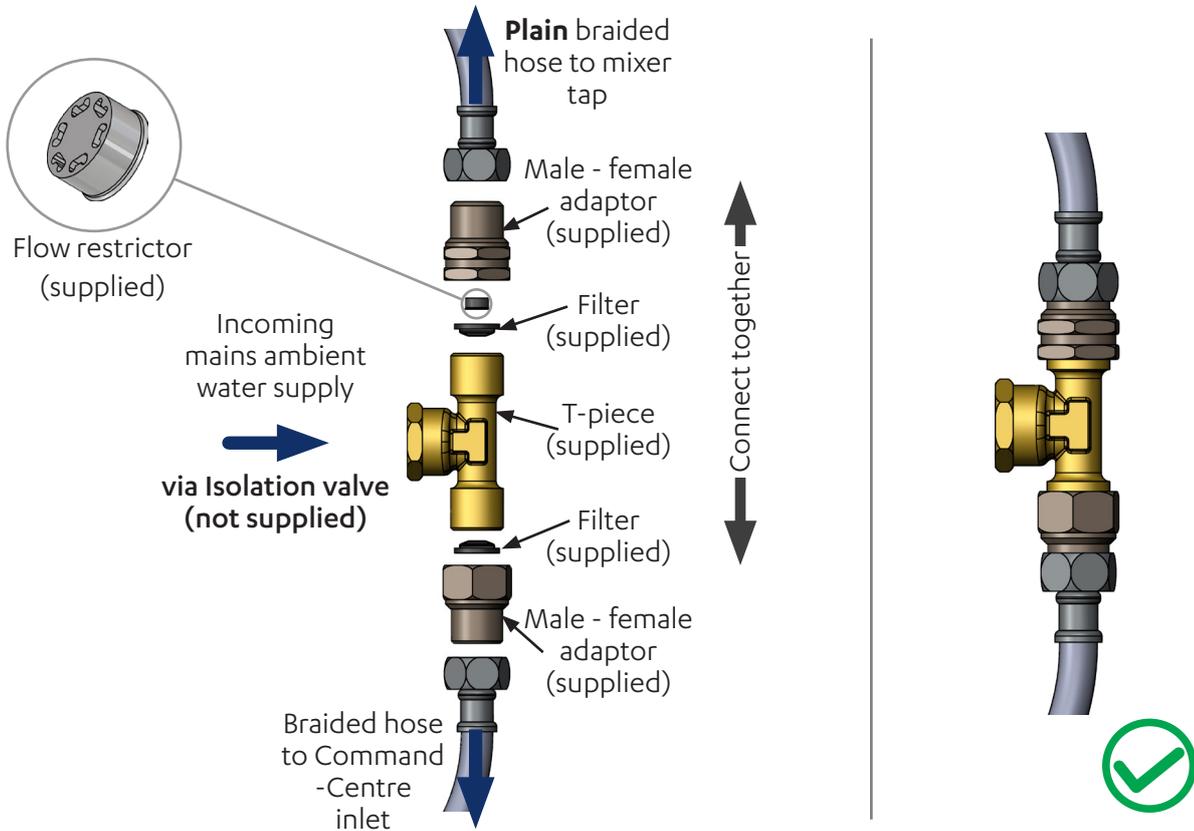


5.4 Connect the water supply (detail shown, disassembled and assembled)

 Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



Ambient mains water supply

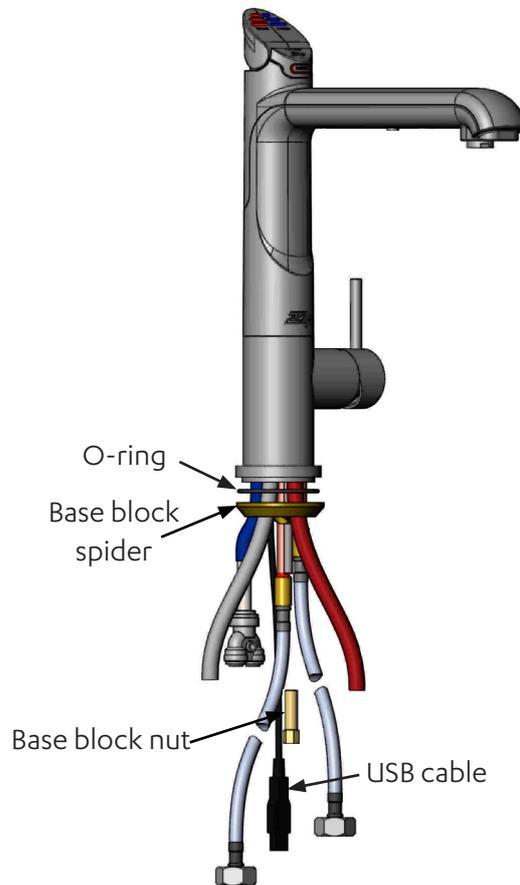




All-in-One
mains

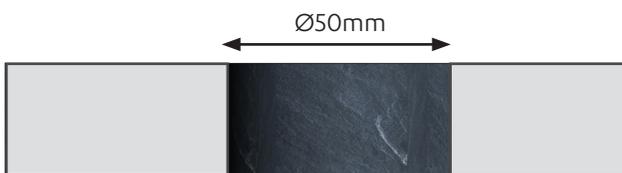
6.1 Configure the tap

- See adjacent diagram.



6.2 Cut the hole & mount the tap

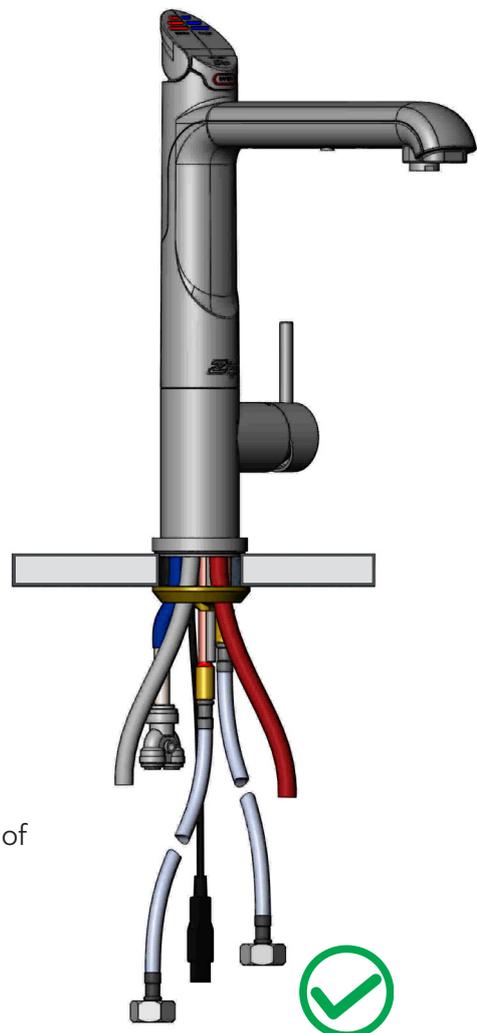
- Cut a Ø50mm hole in the worktop / sink.



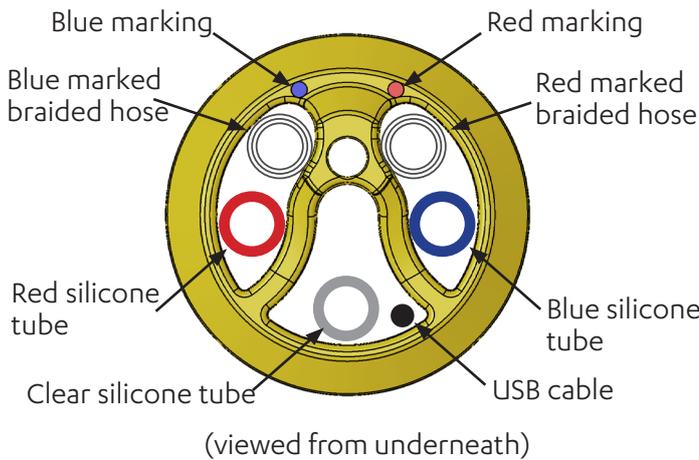
Note Make sure the tap location will allow the tap spout to drain into the sink.

Note All silicone tubes must be cut to size. They must have a constant fall back to the Command-Centre.

- Fit the o-ring to the underside of the tap.
- Pass tubes and cable through the Ø50mm hole.
- Feed each of the tubes and USB cable evenly between the legs of the base block spider (see section 6.3).
- Locate the base block spider to the underside of the tap.
- Clamp in position using the base block nut.
- Do not over-tighten.

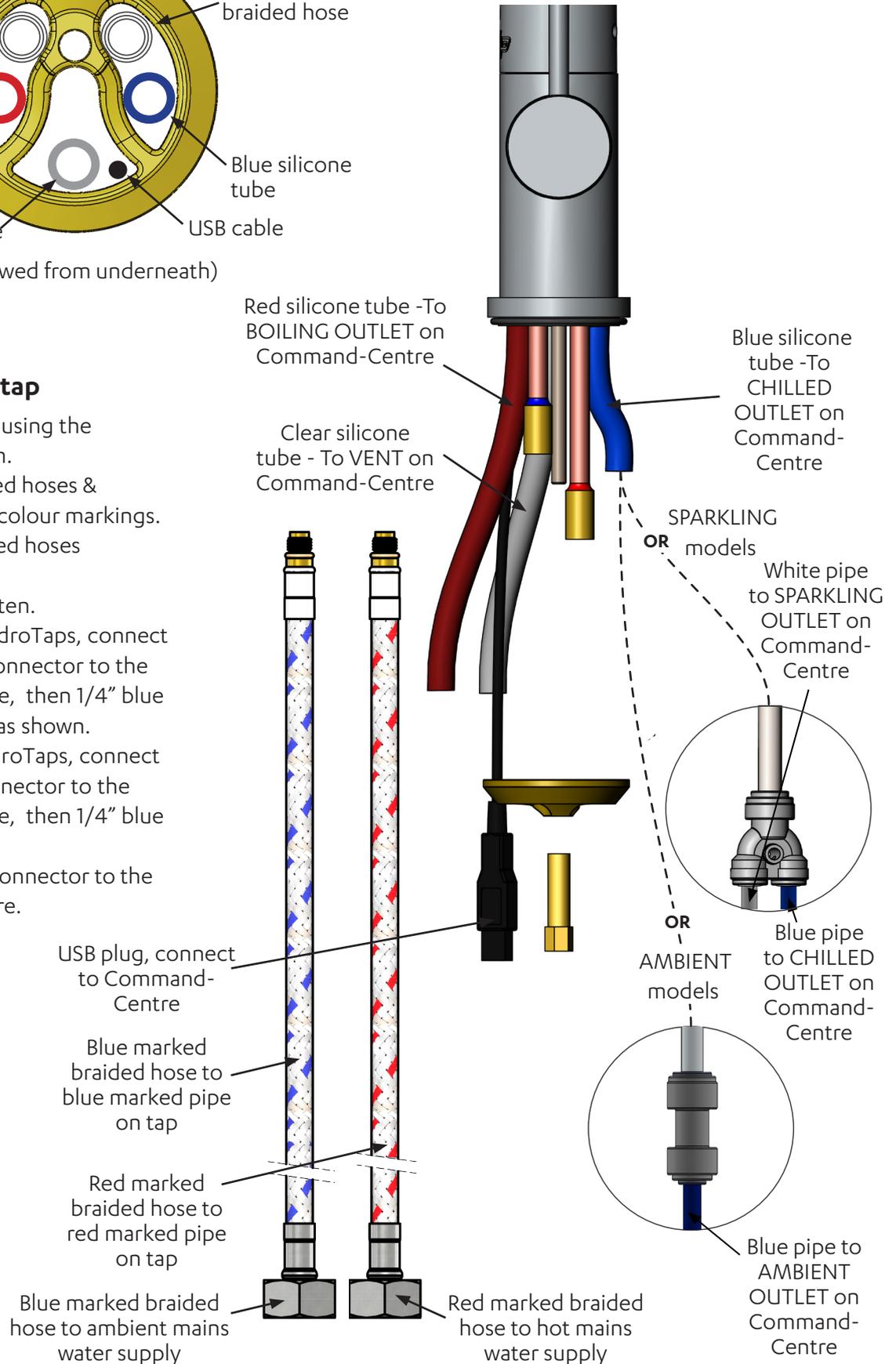


6.3 Position tubes, hoses & base block spider



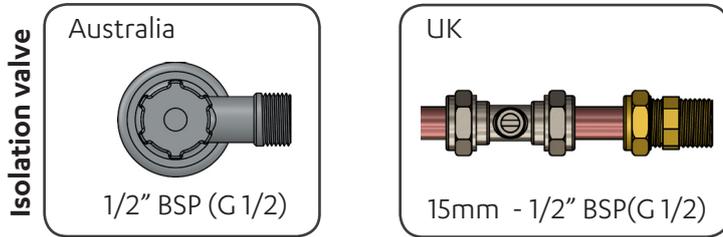
6.4 Connect the tap

- Connect the tap using the adjacent diagram.
- Match the braided hoses & extension tubes colour markings.
- Attach the braided hoses (lubricate seals).
- Do not over tighten.
- For sparkling HydroTaps, connect the supplied Y connector to the blue silicone tube, then 1/4" blue and white pipes as shown.
- For ambient HydroTaps, connect the supplied connector to the blue silicone tube, then 1/4" blue pipe as shown.
- Attach the USB connector to the Command-Centre.

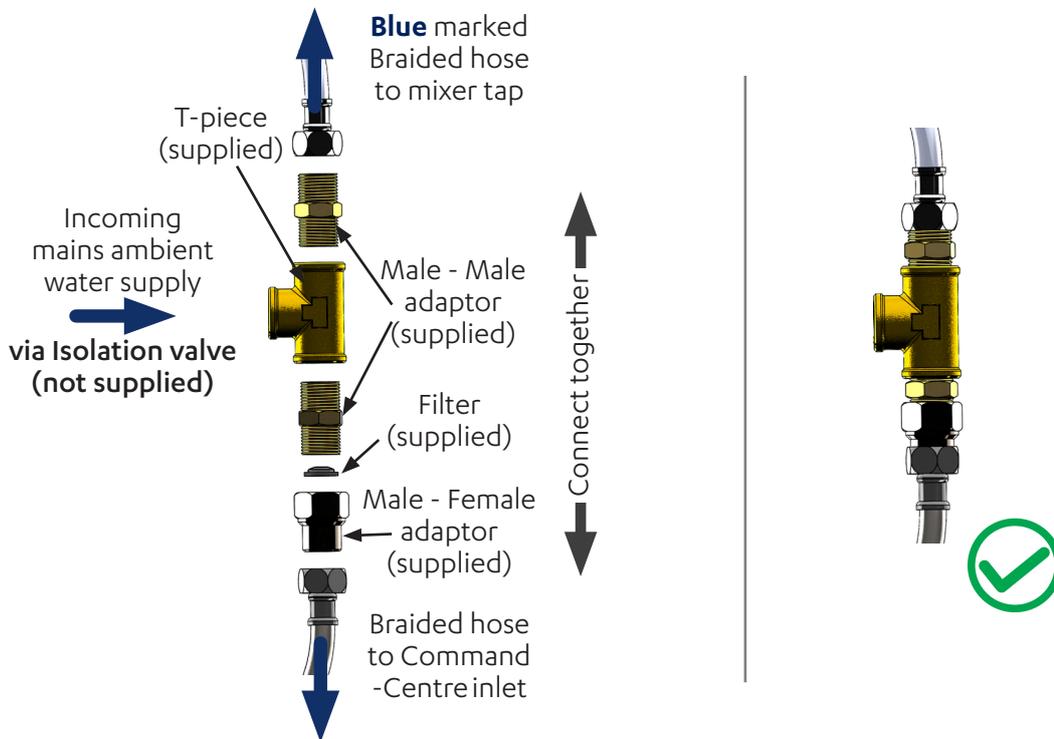


6.5 Connect the water supply (detail shown, disassembled and assembled)

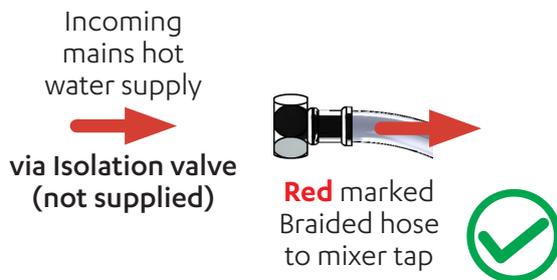
 Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



Ambient mains water supply



Hot mains water supply

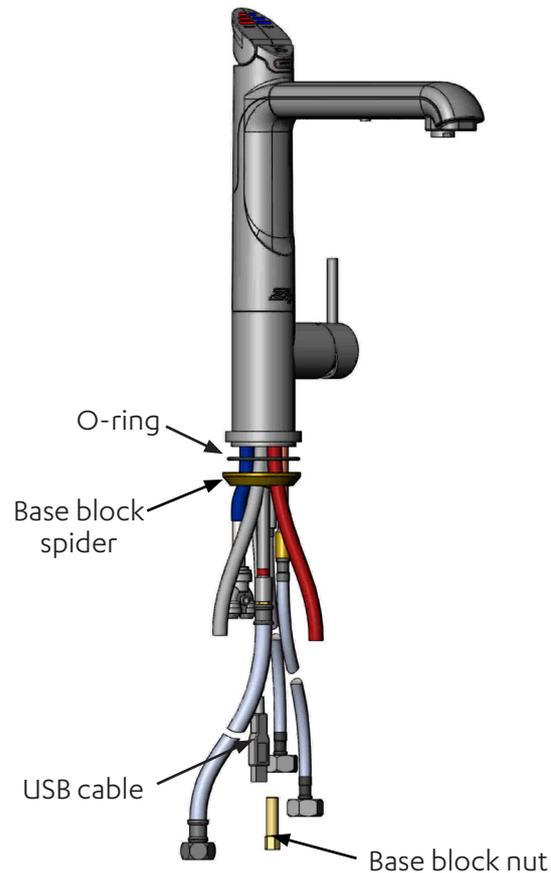




All-in-One
vented

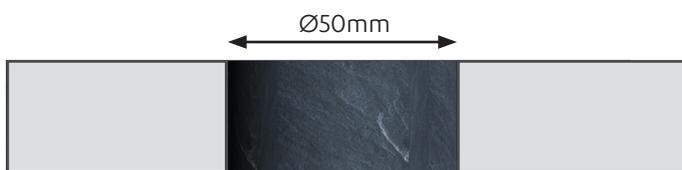
7.1 Configure the tap

- See adjacent diagram.



7.2 Cut the hole & mount the tap

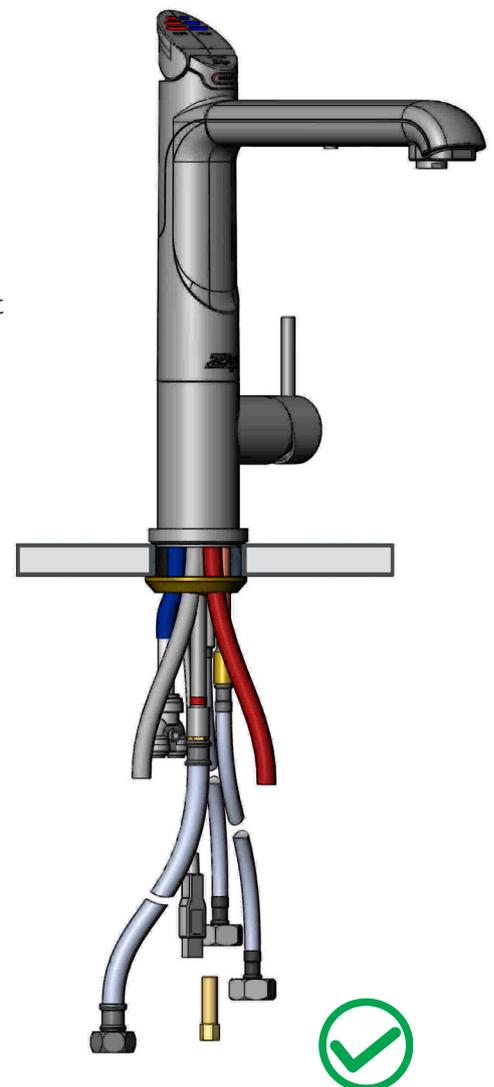
- Cut a Ø50mm hole in the worktop / sink.



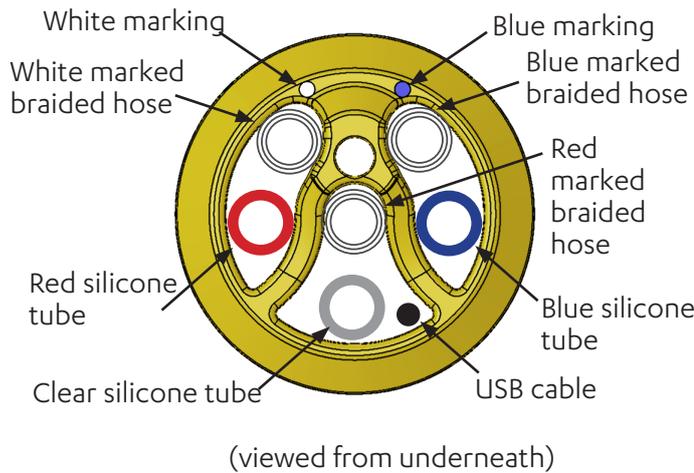
Note Make sure the tap location will allow the tap spout to drain into the sink.

Note All silicone tubes must be cut to size. They must have a constant fall back to the Command-Centre.

- Fit the o-ring to the underside of the tap.
- Pass tubes, hoses and cable through the Ø50mm hole.
- Feed each of the tubes and USB cable evenly between the legs of the base block spider (see section 7.3).
- Fit the base block spider to the underside of the tap.
- Clamp in position using the base block nut.
- Do not over tighten.

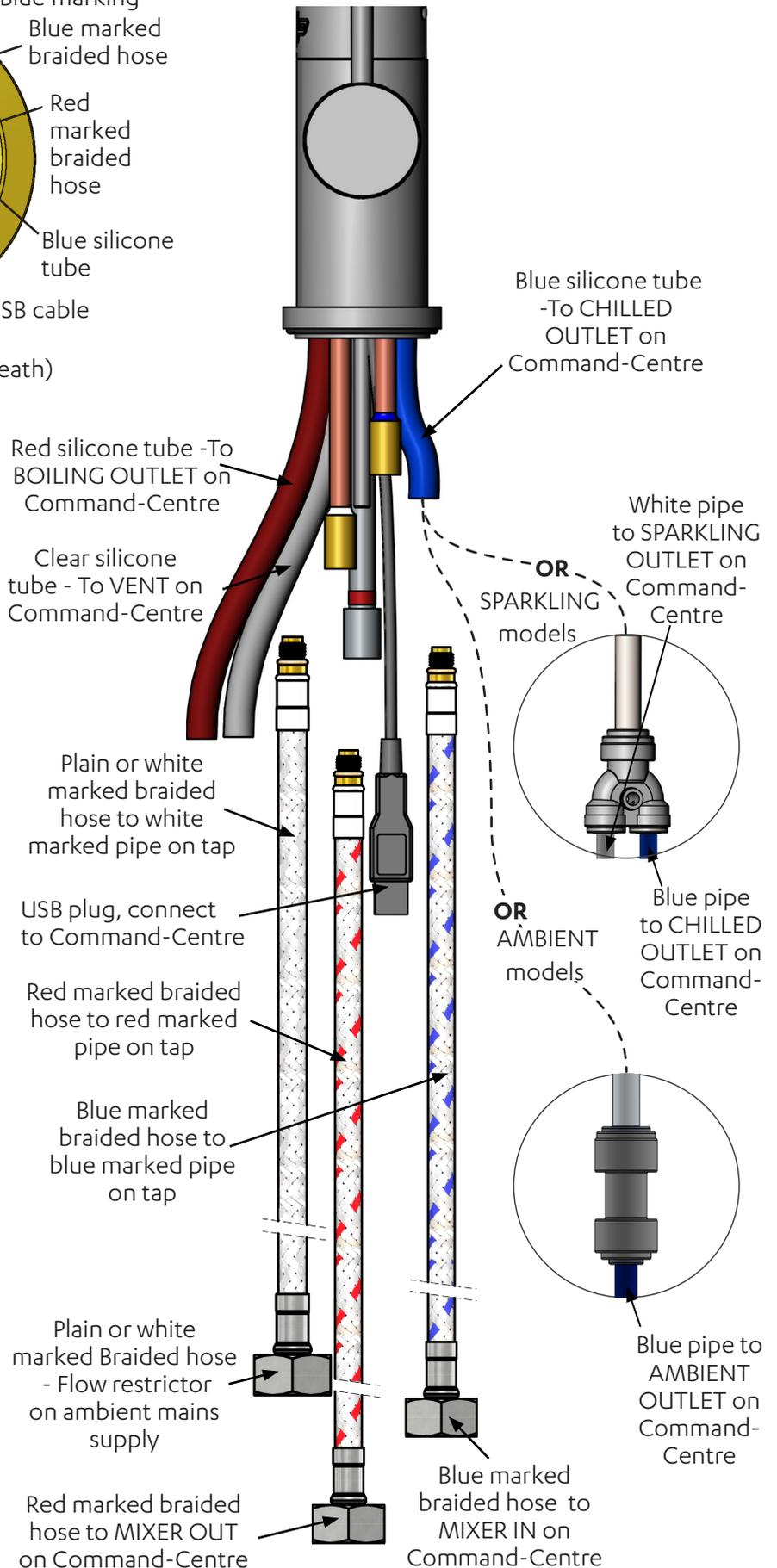


7.3 Position tubes, hoses & base block spider



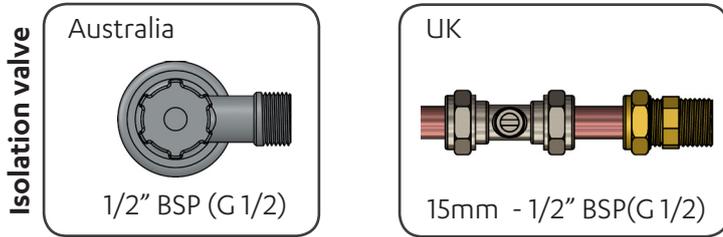
7.4 Connect the tap

- Connect the tap using the adjacent diagram.
- Match the braided hoses & extension tubes colour markings.
- Attach the braided hoses (lubricate seals).
- Do not over tighten.
- For sparkling HydroTaps, connect the supplied Y connector to the blue silicone tube, then 1/4" blue and white pipes as shown.
- For ambient HydroTaps, connect the supplied connector to the blue silicone tube, then 1/4" blue pipe as shown.
- Attach the USB connector to the Command-Centre.

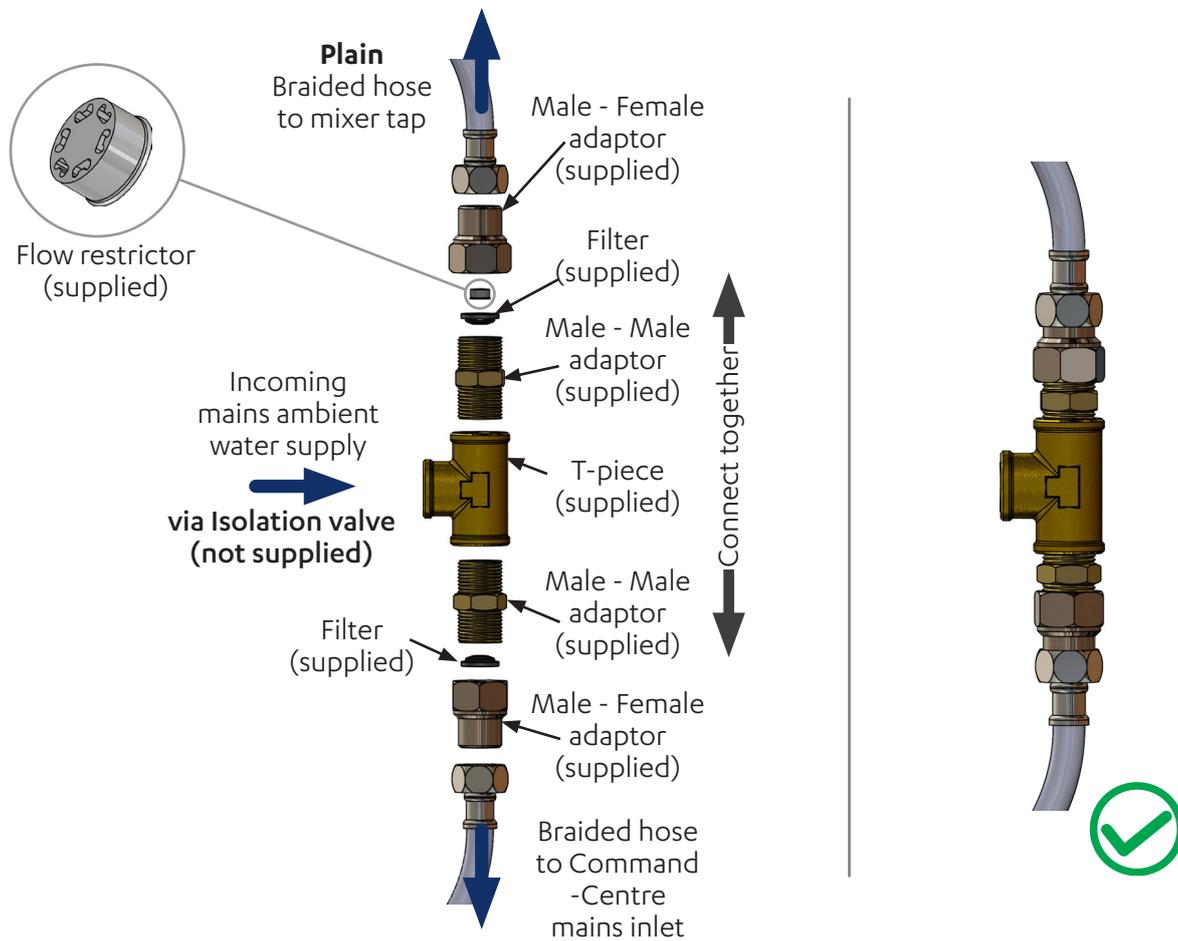


7.5 Connect the water supply (detail shown, disassembled and assembled)

 Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



Ambient mains water supply

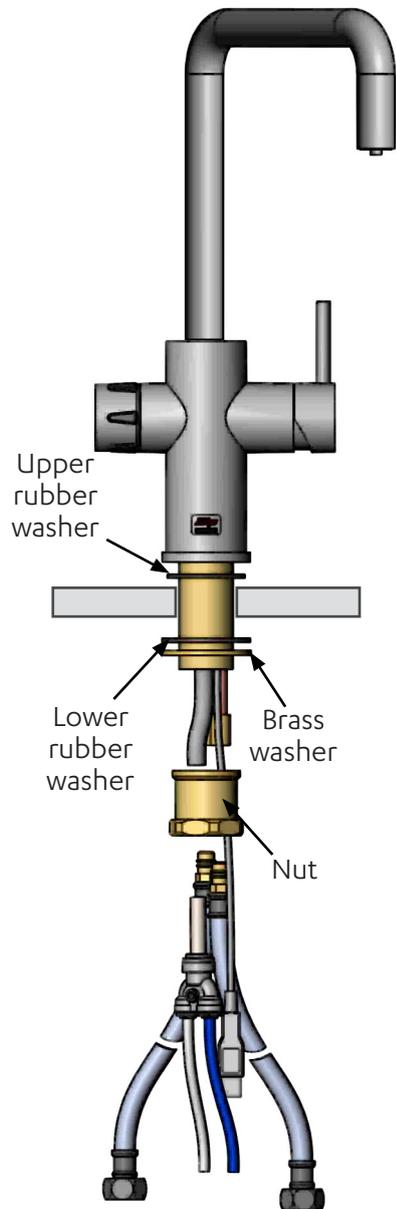




Celsius

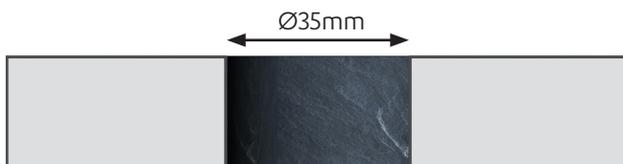
8.1 Configure the tap

See adjacent diagram.



8.2 Cut the hole & mount the tap

- Cut a $\varnothing 35\text{mm}$ hole in the worktop / sink.



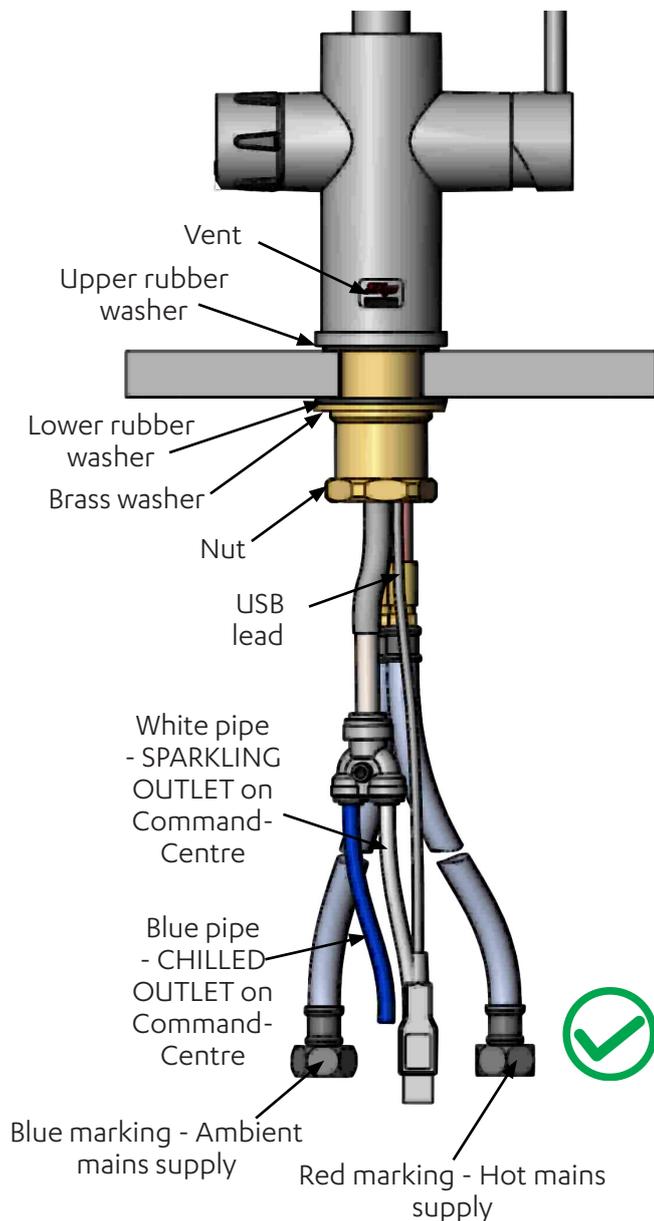
- Slide upper rubber washer in place.
- Mount tap in position on $\varnothing 35\text{mm}$ hole.
- Slide lower rubber washer, metal washer & tap nut over the threaded boss, then tighten the tap nut to secure in place.
- Do not over tighten.

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

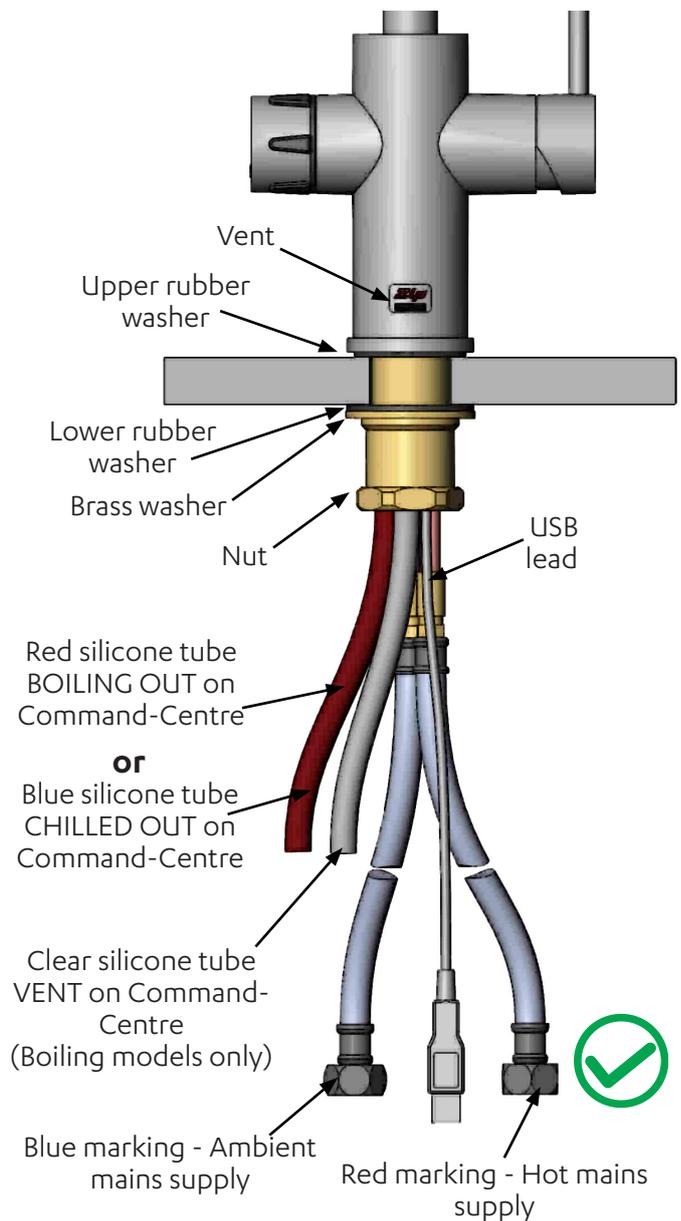
8.3 Connect together

- Connect the tap using the diagrams below.
- Match the braided hoses & extension tubes colour markings.
- Attach the braided hoses (lubricate seals).
- Do not over tighten.
- For sparkling HydroTaps, connect the supplied Y connector to the blue silicone tube, then 1/4" blue and white pipes as shown.
- Attach the USB connector to the Command-Centre.

Chilled & Sparkling

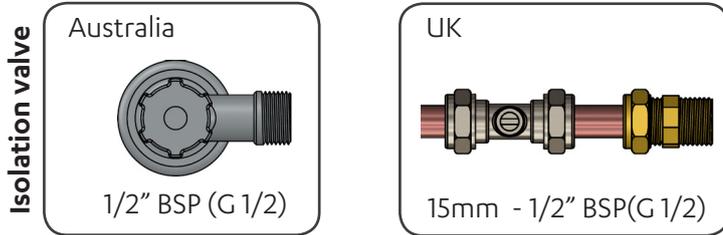


Chilled or Boiling

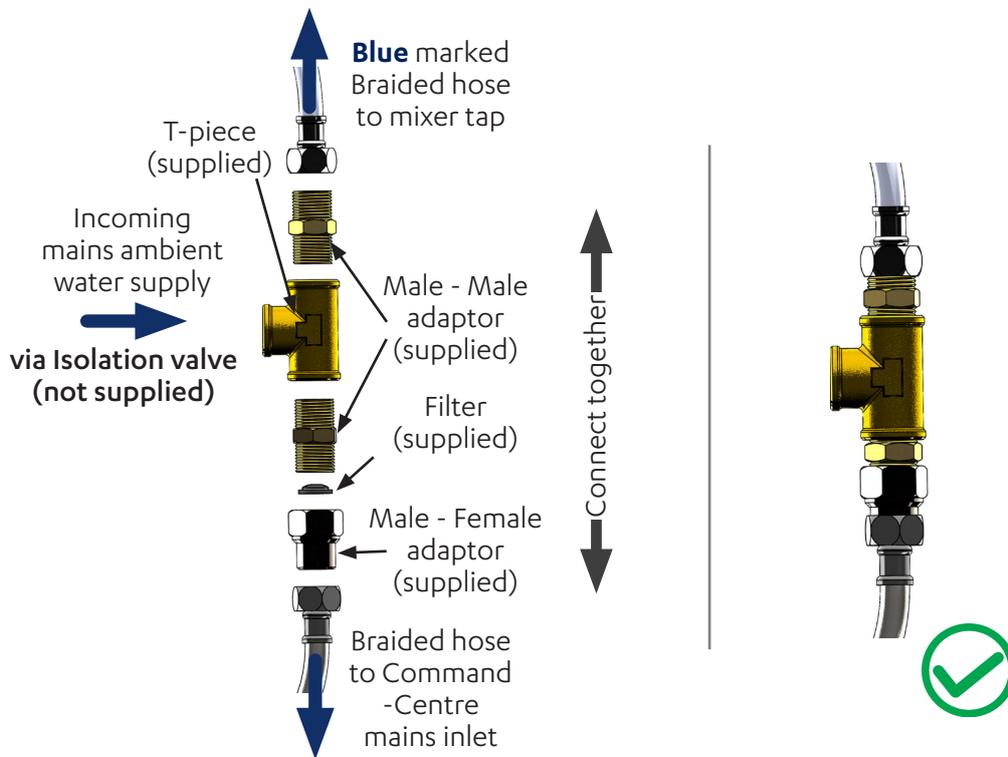


8.4 Connect the water supply (detail shown, disassembled and assembled)

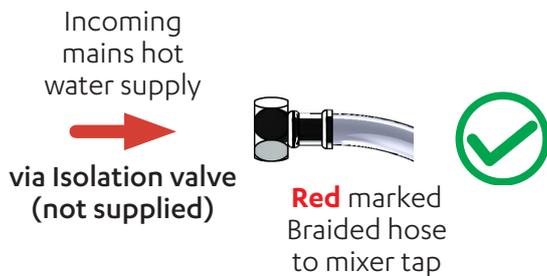
 Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



Ambient mains water supply

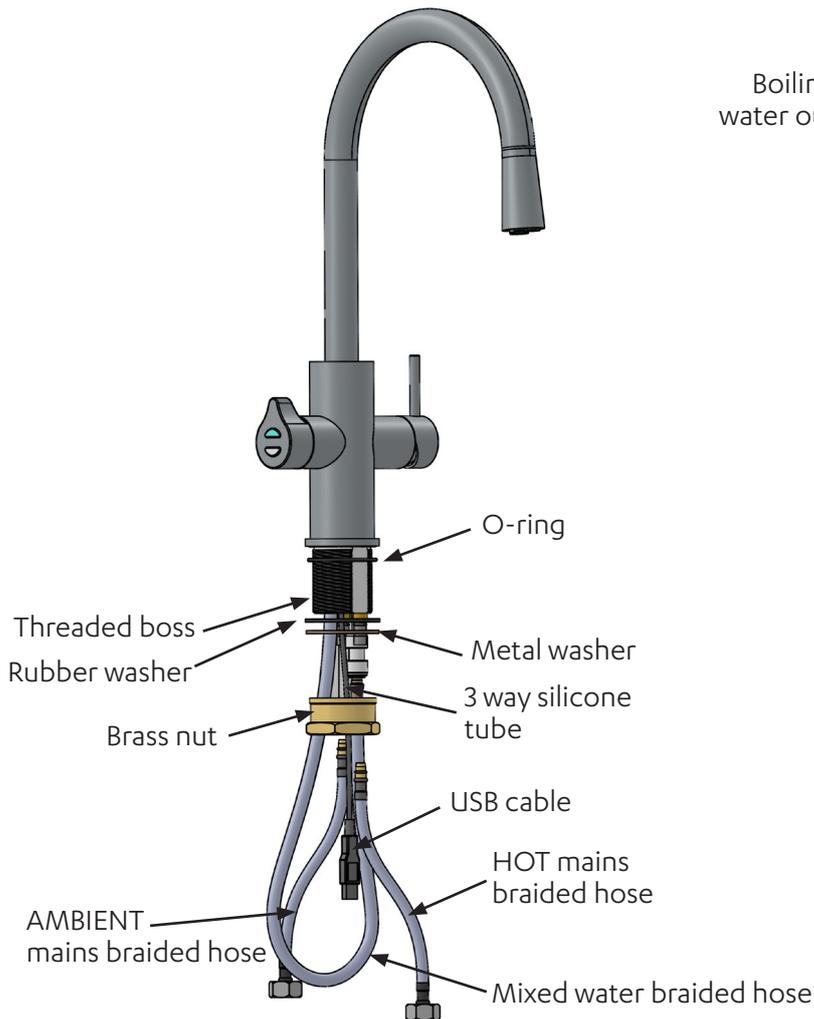


Hot mains water supply

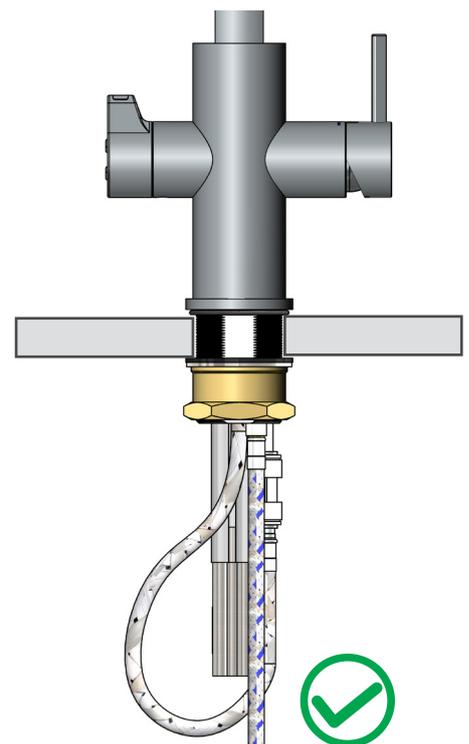
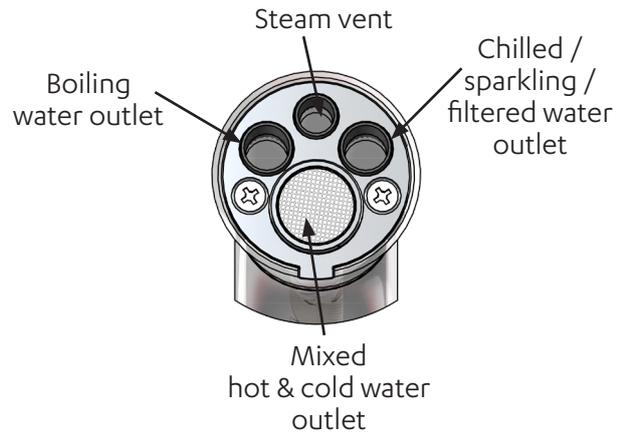


9.1 Configure the tap

- See adjacent diagram.

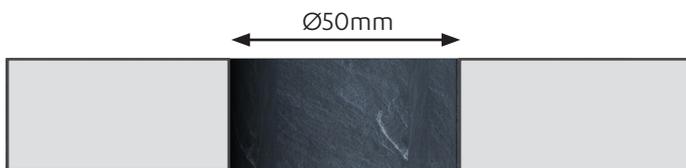


9.2 Outlet configuration



9.3 Cut the hole & mount the tap

- Cut a Ø50mm hole in the worktop / sink.

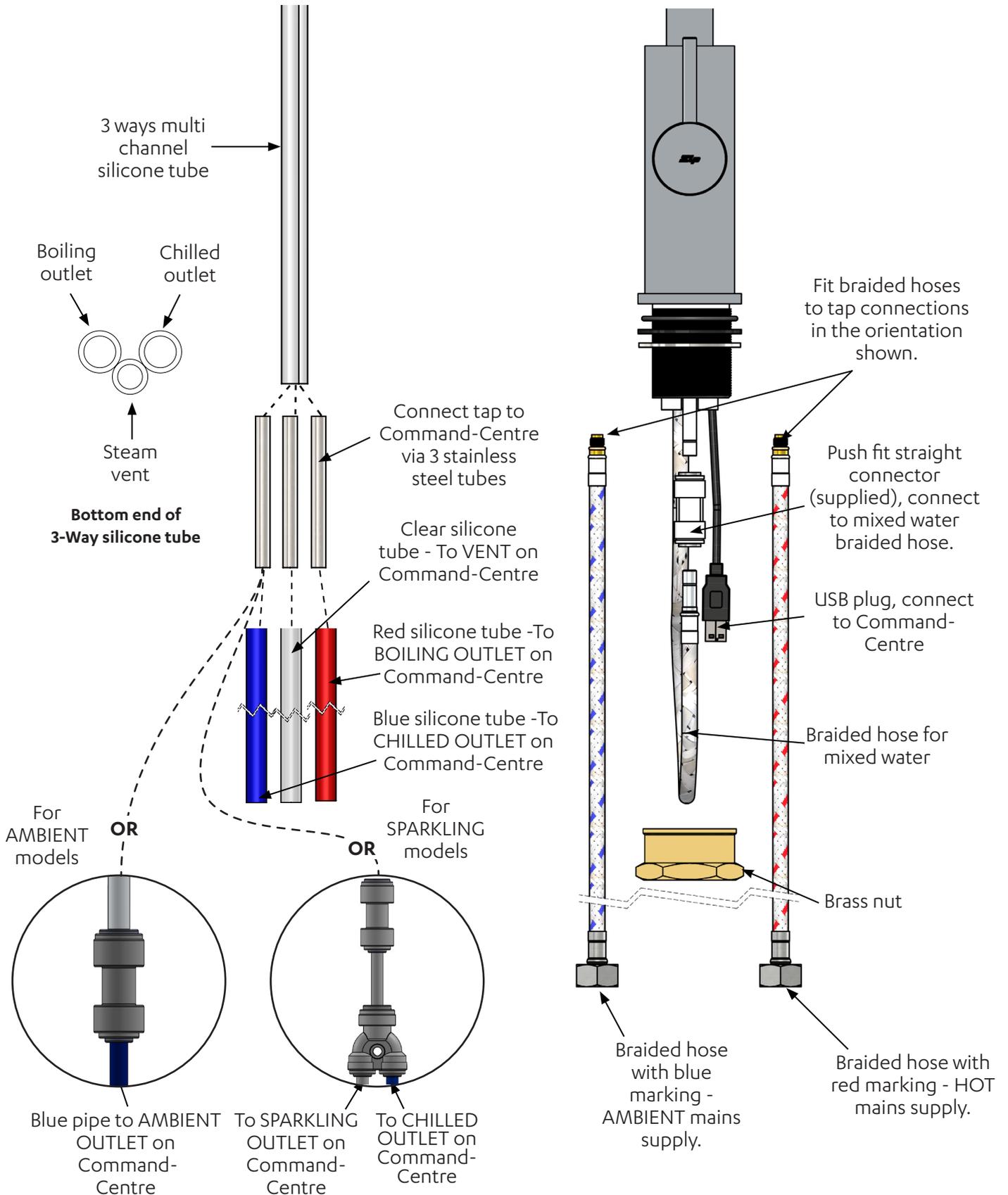


Note Make sure the tap location will allow the tap spout to drain into the sink.

Note All silicone tubes must be cut to size. They must have a constant fall back to the Command-Centre.

- Fit the o-ring to the underside of the tap then pass tubes, cable and mixed water braided hose through the Ø50mm hole.
- Fit the large rubber and metal washers over the threaded boss (on the underside of the worktop).
- Clamp in position using the brass nut.
- Do not over tighten.

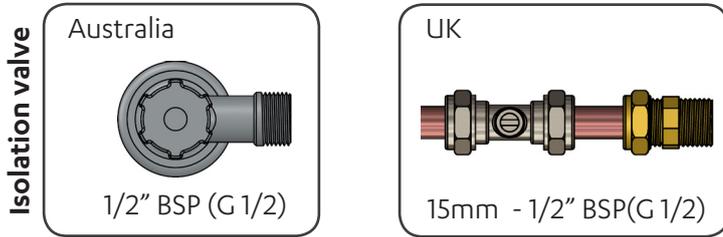
9.4 Connect the tap



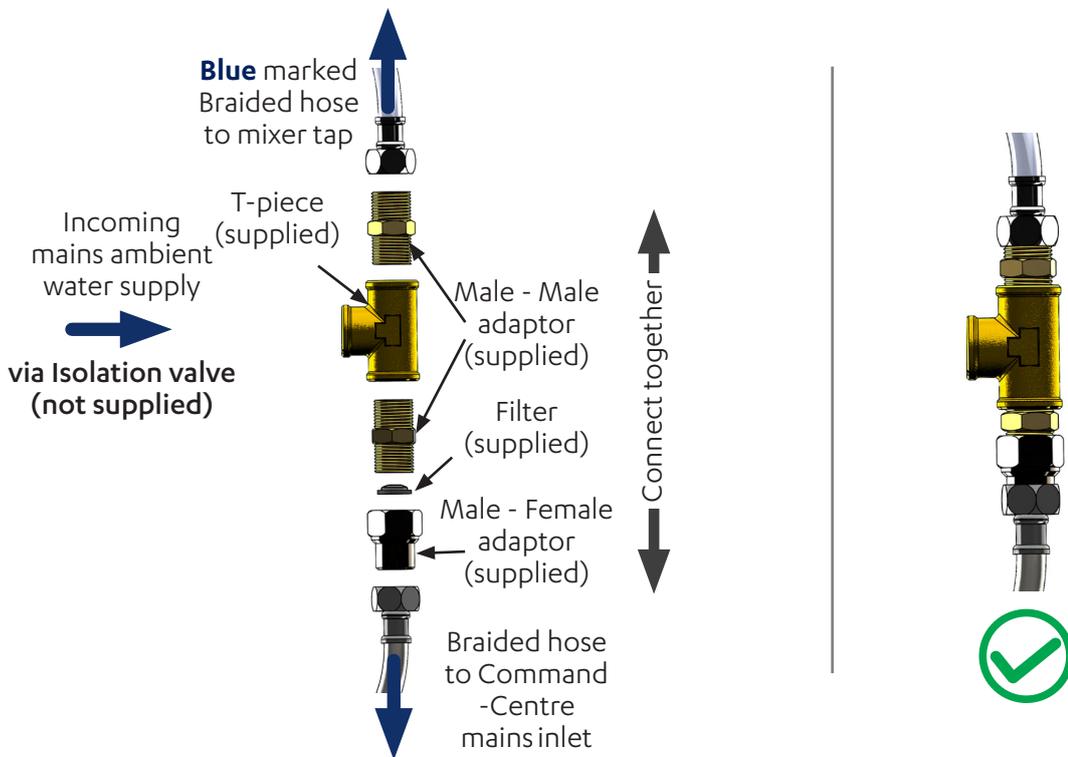
Do not over tighten the braided hoses. Ensure that all tubes and hoses are firmly secured.

9.5 Connect the water supply (detail shown, disassembled and assembled)

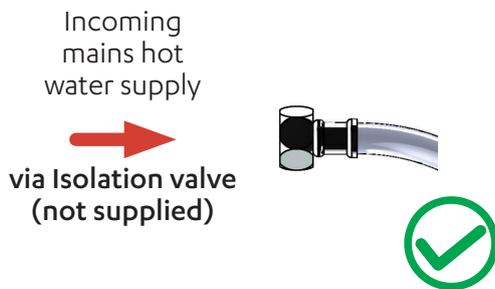
 Note correct filter orientation. Valves and fittings must be sealed with PTFE tape.



Ambient mains water supply



Hot mains water supply



End of life disposal



The use of this crossed out wheeled bin logo indicates that electrical and electronic products need to be disposed of separately to any other household waste.

Within each of the European Union member countries, provisions have been made for collection and recycling of unwanted electrical and electronic equipment. In order to help preserve our environment we ask that you dispose of this product correctly.



It's water. Refreshed.



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