Installation Instructions

HydroTap Classic
HydroTap Elite
HydroTap Arc/Cube

Classic All-In-One
Celsius All-In-One
Celsius Arc/Cube

Mixer Classic/Arc/Cube
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A range of HydroTap taps are offered to suit the customer’s needs.

**HydroTap Classic, Elite, HydroTap Arc and HydroTap Cube** are standalone taps compatible with the HydroTap undersink unit, offering instant boiling, chilled and/or sparkling water.

**Classic, Arc and Cube** Mixer Tap range may be used in conjunction with the standalone taps above to provide mixed hot and cold water.

**Classic All-In-One and Celsius All-In-One** offer combinations of boiling, chilled and/or sparkling together with an integral mains water mixer.
### Installation Specification

**Note:** These instructions are provided for the installation of HydroTap taps only. This book must be read in conjunction with the undersink HydroTap Installation Manual and the User Manual.

For new installations, it is recommended to fit the tap prior to installing the undersink unit.

**Special Tools Required:**

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

- 35mm/50mm diameter sheet metal hole punch for sink tops (not supplied)
- 35mm/50mm diameter hole saw for timber bench tops (not supplied)
- 42mm AF tube spanner or wrench (not supplied) for fixing tap assembly (Celsius Arc/Cube)

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![Dispensing distance](image)

116 mm

211 mm

Dispensing distance
1.1 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 font, available as an accessory.

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

1.2 Apply a light smear of silicon sealant on the underside of the black plastic spacer, to ensure a watertight seal.

Fit the spacer and pass all the hoses, tubes and USB cable through the 35mm hole. Position the tap so that it discharges into the sink.

From under the sink/bench, fit the stainless steel washer and spider clamp to the all-thread rod, and secure with the nut. The washer is formed similarly to a spring washer. It will flatten once the assembly is tightened.

**Note:** feed each of the three tubes and USB cable evenly in between the legs of the spider clamp.

**Note:** If the flow rate is too fast, insert the Teflon restrictor into the silicon Hot Outlet tube.
1.3 Typical HydroTap Installation

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

- BLUE hose to chilled water outlet
- RED hose to boiling water outlet
- CLEAR hose to Vent

**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.
The HydroTap Arc/Cube has a spout that may be fixed in one of 6 angular positions 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.

### 2.1 Adjust 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 diagrams below and sections 2.2 & 2.3)

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 USB cable 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. 2.4)

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.
2.2 Height adjustment (Fixed position options)

![Diagram showing height adjustment with 50mm indication]

2.3 Angular adjustment (Fixed position options)

![Diagram showing angular adjustment with A and B options]

**NOTE:** To reduce the risk of scalding, **Position A should not be selected** with Boiling Water units.

2.4 Mounting

![Diagram showing mounting with BENCH TOP and O-RING, LOWER RUBBER WASHER, METAL WASHER, NUT details]

Cut a 35mm hole in the bench / sink top.
2.5 Tube kit assembly

NOTE: The L/H & R/H positions of the three way silicon tube are interchangeable

General Fitting Instructions

Once the ARC and CUBE HydroTaps have been secured to the benchtop or sink, it will be necessary to connect the relevant tube kit to the three way silicon tube as follows: (See below for specific tube kit assembly instructions)

- Insert the 1/4” Blue and White JG tubes into their respective JG fittings as shown above (Type C-E)
- Ensure all connectors and tubes, are pushed fully home into the JG fittings (see below).
- Assemble tubes in accordance with the instructions overleaf. Check the insertion depth as shown in Fig.1.
- For Maximum grip on all three connectors, ensure the Herbie clip is clamped close to the end of the three way silicon tube and aligned with the central axis, as shown in Figs.1 & 2

John Guest fittings (insertion and removal)

NOTE: 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 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.

[Diagram showing insertion and removal process]
Working from inside the cupboard, follow the directions for the relevant installation:

**Boiling Kit:**
Fit the Type A tube assembly into the L/H or R/H side of the three way silicon tube.
Fit the Type F tube into the other side of the three way silicon tube.

**Boiling Ambient Kit:**
Fit the Type A tube assembly into the L/H or R/H side of the three way silicon tube.
Fit the Type E tube assembly into the other side of the three way silicon tube.

**Boiling Chilled Kit:**
Fit the Type A tube assembly into the L/H or R/H side of the three way silicon tube.
Fit the Type B tube assembly into the other side of the three way silicon tube.

**Chilled Kit:**
Fit the Type B tube assembly into the L/H or R/H side of the three way silicon tube.
Fit the Type F tube into the other side of the three way silicon tube.

**Chilled Sparkling Kit:**
Fit the Type D tube assembly into the L/H or R/H side of the three way silicon tube.
Fit the Type E tube assembly into the other side of the three way silicon tube.

**Boiling Chilled Sparkling Kit:**
Fit the Type A tube assembly into the L/H or R/H side of the three way silicon tube.
Fit the Type C tube assembly into the other side of the three way silicon tube.

Finally, secure the Herbie clip around the base of the silicone tube by hand - note orientation of Herbie clip, see Fig. 2. Then give a final squeeze with pliers to ensure a tight fit.

### 2.6 Attach Label

**Important:** The labels are printed on a clear film. It is important to ensure that you do not touch the adhesive side of the label when removing the label from the white backing strip, to prevent finger marks visible after the label is positioned on the tap.

**Procedure:**
- Clean the area on the tap where you plan to mount the label i.e. Area 1 (Top) or Area 2 (Left or Right Hand Side).
- Choose which label is appropriate for your tap.
- For BC; BA; B & CS labels, trim inside the blue line to the left of the chosen label,
- Locate the pre-cut edge on the white backing and peel the clear label away from the white backing paper, to expose the adhesive on your chosen label.
- **NOTE:** DO NOT TOUCH THE ADHESIVE BACKING ON YOUR CHOSEN LABEL
- For the BCS label, do not trim any of the labels, just peel the backing paper from the pre-cut edge to expose the adhesive on the BCS label.
- For the Chilled label, trim to the left of the CS label before peeling off the backing paper.
- After carefully peeling the white backing paper off the label, position one edge of the clear label, on the tap. Make sure the label is centred and squarely positioned.
- Cut inside the blue line of the label, to free it from the strip.
- Press the label firmly in position.
3 - Mixer Tap
CLASSIC, ARC, CUBE

**Position the tap such that it dispenses into the sink bowl with ample clearance for a cup or tea pot.**

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

**3.1**

**3.2**

- Fit the O-ring into the recess on the underside of the Mixer tap. If mounting on an uneven surface, apply a light smear of silicone sealant to the O-ring, to ensure a watertight 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 washer 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.

**NOTE:** For low pressure installations
Replace the normal 804178-Aerator with an 805734-flow straightener in the spout of a vented Zenith mixer tap.
3.3 Typical HydroTap 4-in-1 Installation

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

![Diagram of HydroTap Connections]

- **Blue** hose to chilled water outlet
- **Red** hose to boiling water outlet
- **Clear** hose to Vent

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

**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.
4 - Classic All-In-One Tap

4.1

Position the tap such that it dispenses into the sink bowl with ample clearance for a cup or tea pot.

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

4.2

- Fit the O-ring seal to the base of the tap. If mounting on an uneven surface, apply a light smear of silicone sealant to the O-ring, to ensure a watertight seal.
- Pass the USB cable and tubes through the 50mm hole and position the tap so that it discharges into the sink.
- Thread the cable and silicon tubes through the circular clamp block (see figures 4.3 & 4.5) and fix with nut.
- Affix the braided hoses (see figures 4.4 & 4.5).
4.3 Insert Silicon Tubes through Clamp Block (viewed from underneath)

Thread the USB cable and silicon tubes through the circular clamp block. Check the tube colour alignment with the diagram below.

Clamp the assembly in position using the threaded fixing nut (see fig. 4.5).

Vented silicon tube positions

Mains silicon tube positions

4.4 Affix Braided Hoses through Clamp Block (viewed from underneath)

Working from inside the cupboard, screw the braided hoses to the extension tubes. Ensure the seals on the end of the hoses are lubricated prior to assembly.

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 and on the clamp block (as indicated). Make sure all tubes and hoses are firmly secured.

Test for leaks after all the connections have been secured.
4.5 Assembled Clamp Block

**Vented**

- **RED** to Boiling connection
- **BLUE** to Chiller connection
- **CLEAR** to vent

**Mains**

- **RED** to Boiling connection
- **BLUE** to Chiller connection

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**Note**: If the flow rate is too fast, a teflon flow restrictor is provided with the tap.

- Cut the red silicon tube 75mm (minimum) from the bottom of the base of the All-In-One tap.
- Insert the Teflon Restrictor about 20mm into the upper segment of the red silicon tube which connects to the tap.
- Insert the black plastic outlet bush between the two pieces of red silicon tubes that was cut.
4.6 Typical All-In-One Mains Installation with Booster (optional)

**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.
5 - Celsius All-In-One Tap

5.1

For Celsius A-I-O Tap 50mm hole

Position the tap such that it dispenses into the sink bowl with ample clearance for a cup or tea pot.

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

5.2

• Pass all the hoses, tubes and USB lead through the 50mm hole.
• Ensure the black rubber seal is correctly positioned to give a water tight seal.
• Secure with the steel washer and large nut from inside the cupboard space.
• Connect silicon hoses to the 3-way tube as shown in Fig. 5.3 & 5.4.
• Affix the braided hoses for hot and cold mains water supply.
5.3 Plumbing Connection

BC MODEL

3 WAYS Multi Channel

Boiling Outlet
Chilled Outlet
Steam Vent
Bottom End of 3-Way Tube

FROM BOILING OUTLET AT UNDERSINK UNIT
FROM CHILLED OUTLET AT UNDERSINK UNIT
ADD SPARKLING, IF INCLUDED (SEE FIG 5.4)

3 Stainless Steel Tubes

5.4 BCS MODEL

JG Straight Connector
LLDPE Tube
Y Connector
Chilled
Sparkling
Boiling
Steam Vent
Cold Mains
Hot Mains
5.5 Typical Celsius All-In-One Mains Installation with Booster (optional)

**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.

Tee piece and connector strainer (supplied)
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.

6.1

Position the tap such that it dispenses into the sink bowl with ample clearance for a cup or tea pot.

Cut a 35mm hole in the bench / sink top.
6.2

- 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 brass nut from inside the cupboard space.
- Affix the braided hoses for hot and cold mains water supply.

6.3 Chilled Sparkling Model

Connect the Chilled Tube from the tap, via the Y-Connector, to the Chilled and Sparkling tubes to the undersink unit.
6.4 Typical BHA Celsius Arc/Cube Installation

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.

Tee piece with connector strainer (supplied)