ZIP
HYDROTAP® G4
Filtered boiling, chilled and sparkling drinking water systems.

MODEL:
Tap range. (See table of contents for specific models).
The G4 series offers a range of interchangeable taps to suit the customer’s needs.

**Classic range**

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

**Arc / Cube range**

**Elite range**

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

**Mixer range**

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

**All-in-One range**

**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.
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INSTALLATION INSTRUCTIONS

803341UK V1.04 NOV 2017 - ZIP G4 TAP RANGE

TECHNICAL SUPPORT
TEL: 0345 6 005 005 EMAIL: SERVICE@ZIPINDUSTRIES.CO.UK
WWW.ZIPWATER.CO.UK

GENERIC INSTALLATION INSTRUCTIONS

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 Celsius All-in-One 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 & Celsius All-in-One 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 Celsius All-in-One Arc) for fixing tap assembly.

Font installation special tool requirements

- Hole saw or equivalent equipment to suit surface being cut. Ø140m for Arc / Cube and Ø108mm for Classic and Elite.

NOTE It is recommended to use a water block device to minimise the potential for water leakage in the event of a system malfunction, please refer to the Command-Centre installation instructions for details.

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 installation instructions provided with the Command-Centre prior to any change to the complete system.

Min / Max water supply pressure requirements

HydroTaps and Mains All-in-One & Celsius taps sparkling models..........................0.25 MPa (2.5 bar) - 0.5 MPa (5 bar)
HydroTaps and Mains All-in-One & Celsius taps non-sparkling models..............0.17 MPa (1.7 bar) - 0.5 MPa (5 bar)
Vented All-in-One sparkling models........................................................................0.25 MPa (2.5 bar) - 0.5 MPa (5 bar)
Mixer taps and Vented All-in-One non-sparkling model taps..........................0.20 MPa (2.0 bar) - 0.5 MPa (5 bar)
**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, (call Zip on 0345 6 005 005).

**Tap positioning**

<table>
<thead>
<tr>
<th>Tap</th>
<th>Recommended dispensing distance (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elite</td>
<td>116</td>
</tr>
<tr>
<td>HydroTap Classic</td>
<td>116</td>
</tr>
<tr>
<td>HydroTap Arc/Cube</td>
<td>171 (-174 extended)</td>
</tr>
<tr>
<td>All-in-One</td>
<td>211</td>
</tr>
<tr>
<td>Celsius All-in-One Arc</td>
<td>220</td>
</tr>
<tr>
<td>Celsius - Arc/Cube</td>
<td>220</td>
</tr>
<tr>
<td>Mixer - Arc</td>
<td>220</td>
</tr>
<tr>
<td>Mixer - Classic</td>
<td>270</td>
</tr>
<tr>
<td>Mixer - Cube</td>
<td>220</td>
</tr>
</tbody>
</table>

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

**Connections**

All plastic pipes / silicon 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.

**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, as well as allow space for the threaded boss and the connection pipes.
SECTION 1 CLASSIC & ELITE HYDROTAP G4 INSTALLATION

1.1 Tap configuration

![Diagram of tap components]

- All thread rod
- Black plastic spacer
- Stainless steel spacer
- Spider clamp
- Nut
- Red boiling pipe
- Clear vent pipe (boiling models)
- Blue chilled pipe (chilled models)

1.2 Cut the hole & fit the spacer

Apply a light smearing of silicon 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, and secure with nut.

Note 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, disassembled and assembled)

-Incoming mains ambient water supply
-Isolation valve (not supplied)
-15mm compression to ½” male BSP (not supplied)
-Filter (supplied)
-Male - Female adaptor (supplied)
-Braided hose to Command-Centre (supplied)

Note correct filter orientation
The HydroTap Arc/Cube has a spout that may be fixed in 1 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.

To reduce the risk of scalding, Position *A should not be selected with any of the boiling water models. (See section 2.3).

### 2.1 Tap configuration

- 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 diagram below & sections 2.2 & 2.3).
- 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.
- 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 USB lead will not be pinched, when assembled.
- 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.
- With the clip fitted to the newly selected holes, carefully raise the spout (ensure the USB lead 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.
- Replace the 2 x locating screws.
- If mounting on an uneven surface, apply a light smearing of silicon sealant on the o-rings to ensure a watertight fit. (See section 2.4).
- Pass the assembly (ensuring upper o-ring, base ring and lower o-ring are in place) through the Ø35mm hole and position the tap so 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.
2.2 Adjust the height (fixed position options)

2.3 Adjust the angle (fixed position options)

2.4 Cut the hole & mount the tap

**Note** Use the Tube kit fitting instructions supplied with the tap kit to connect the tap head assembly to the Command-Centre.
2.5 Connect the water supply (detail shown, disassembled and assembled)

- **Incoming mains ambient water supply**
- **Braided hose**
- **15mm compression to ½” male BSP (not supplied)**
- **Filter (supplied)**
- **Male - Female adaptor (supplied)**
- **Isolation valve (not supplied)**
- **Note correct filter orientation**
3.1 Tap configuration

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

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

Note The mixer tap requires a flow restrictor, supplied, to be fitted in the cold water supply line, from the isolation valve T-piece, to the mixer tap. (See the Command Centre Installation section of the Installation instructions for typical under-sink arrangements).

- 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, then tighten the tap nut to secure in place, do not over tighten.
- Attach the braided hoses (ensure the seals on the end of the hoses are lubricated), do not over tighten.
3.3 Connect the water supply (detail shown, disassembled)

Ensure flow restrictor is fitted in the mixer tap direction.

Flow restrictor (supplied)

15mm compression to ½” male BSP (not supplied)

Isolation valve (not supplied)

White marked Braided hose to mixer tap

Male - Female adaptor (supplied)

T-piece (supplied)

Filter (supplied)

Filter (supplied)

Male - Female adaptor (supplied)

Connect together

Note correct filter orientation

3.4 Connect the water supply (detail shown, assembled)

Incoming mains ambient water supply

White marked Braided hose to mixer tap

Braided hose to Command -Centre inlet

Braided hose to mixer tap

Connecting mains ambient water supply

T-piece (supplied)

Filter (supplied)
4.1 Tap configuration

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

**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, then tighten the tap nut to secure in place, do not over tighten.
- Attach the braided hoses (ensure the seals on the end of the hoses are lubricated), do not over tighten.
SECTION 4 MAINS MIXER TAP INSTALLATION

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

Blue marking - Braided hose to tap

Red marking - Braided hose to tap

15mm compression to ½” male BSP (not supplied)

Isolation valve (not supplied)

Incoming mains ambient water supply

Incoming mains hot water supply

Connect together
SECTION 5 ALL-IN-ONE MAINS TAP INSTALLATION

5.1 Tap configuration

5.2 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 silicon 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 AIO tap then pass tubes and cable through the Ø50mm hole.
- Feed each of the tubes and USB cable evenly in between the legs of the base block spider (see section 5.3).
- Fit the base block spider to the underside of the All-in-One tap.
- Clamp in position using the base block nut.
5.3 Position tubes, hoses & base block spider

5.4 Connect the tap

- Connect the red and clear silicone tubes & USB cable to the Command-Centre as shown.

- (Boiling, chilled and sparkling models). Connect the blue and white plastic pipe (supplied) to the Y connector in place on the end of the blue silicone tube, then connect to the Command-Centre as shown.

- (Boiling and chilled models). Connect the blue silicone tube to the Command-Centre as shown.

- 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 ambient connections by matching the colours on the braided hoses with the coloured markings on the copper extension tubes. (See adjacent diagram).

- The braided hose with the blue markings must be connected to the ambient mains supply.

- The braided hose with the red markings must be connected to the hot mains supply.

- Do not over tighten the braided hoses.

- Ensure that all tubes and hoses are firmly secured.
5.5 Connect the water supply, disassembled

- Blue marked Braided hose to mixer tap
- Isolation valve (not supplied)
- 15mm compression to ½" male BSP (not supplied)
- T-piece (supplied)
- Male - Male adaptor (supplied)
- Male - Female adaptor (supplied)
- Braided hose to Command -Centre inlet
- Male - Male adaptor (supplied)
- Blue marked Braided hose to mixer tap

Note correct filter and male-male adaptor orientation

T-piece connections must be sealed with PTFE tape

5.6 Connect the water supply, assembled

- Blue marked Braided hose to mixer tap
- Braided hose to Command -Centre inlet
- Male - Male adaptor (supplied)
- Red marked Braided hose to mixer tap
- Male - Male adaptor (supplied)

Isolation valve (not supplied)

Incoming mains ambient water supply

Incoming mains hot water supply

- T-piece connections must be sealed with PTFE tape

Connect together

Filter (supplied)

Male - Male adaptor (supplied)

Male - Female adaptor (supplied)

Blue marked Braided hose to mixer tap

Red marked Braided hose to mixer tap
SECTION 6 ALL-IN-ONE VENTED TAP INSTALLATION

6.1 Configure the tap

- **O-ring**
- **Base block**
- **spider**
- **USB cable**

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

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 silicon 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 AIO tap then pass tubes, hoses and cable through the Ø50mm hole.
- Feed each of the tubes and USB cable evenly in between the legs of the base block spider.
- Fit the base block spider to the underside of the All-in-One tap.
- Clamp in position using the base block nut.
6.3 Position tubes, hoses & base block spider

![Image of tap installation](image)

- Connect the red and clear silicone tubes & USB cable to the Command-Centre as shown.
- (Boiling, chilled and sparkling models). Connect the blue and white plastic pipe (supplied) to the Y connector in place on the end of the blue silicone tube, then connect to the Command-Centre as shown.
- (Boiling and chilled models). Connect the blue silicone tube to the Command-Centre as shown.
- 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 mixer and ambient connections by matching the colours on the braided hoses with the coloured markings on the extension tubes. (See adjacent diagram).
- Connect the braided hose with the blue marking to the ‘MIXER IN’ on the Command-Centre.
- Connect the braided hose with the white marking to the flow restrictor (see section 6.5).
- Connect the braided hose with the red marking to the metal tube, with red marking then to the ‘MIXER OUT’ on the Command-Centre.
- Ensure that all tubes and hoses are firmly secured.

**Note** The All-in-One vented taps require a flow restrictor and T-piece, as supplied, to be fitted in the cold water supply line, from the isolation valve (not supplied), to the mixer tap.
6.5 Connect the water supply (detail shown, disassembled)

Ensure flow restrictor is fitted in the mixer tap direction

Flow restrictor (supplied)

15mm compression to ½” male BSP (not supplied)

Isolation valve (not supplied)

Filter (supplied)

T-piece (supplied)

Male - Male adaptor (supplied)

Male - Female adaptor (supplied)

Male - Female adaptor (supplied)

Filter (supplied)

Male - Male adaptor (supplied)

Braided hose to Command -Centre inlet

T- piece connections must be sealed with PTFE tape

6.6 Connect the water supply (detail shown, assembled)

Incoming mains ambient water supply

White marked Braided hose to mixer tap

Braided hose to Command -Centre inlet

Ensure flow restrictor is fitted in the mixer tap direction
SECTION 7 CELSIUS TAP INSTALLATION

7.1 Dimensions

7.2 Cut the hole & mount the tap (see sections 7.3, 7.4)

- Slide upper rubber washer in place on underside of tap.
- Mount tap in position on Ø35mm hole.
- Slide lower rubber washer, metal washer then tap nut over the threaded boss, then tighten the tap nut to secure in place, do not over tighten.
- Match the colour markings on the braided hoses to those of the copper extension tubes. Attach the braided hoses (ensure the seals on the end of the hoses are lubricated), do not over tighten.
- Attach the braided hoses to the mains hot and ambient supply (see sections 7.5, 7.6).
- Attach the USB connector to the corresponding connector from the Command-Centre.

Note Make sure the tap location will allow the tap spout to drain into the sink.
7.3 Connect the Chilled and sparkling + mixed hot & cold tap

**Chilled sparkling models**

- Attach the blue plastic pipe (supplied) to the Y-connector (on the end of the blue silicone tube from the Celsius tap), then attach to STILL OUT on the Command-Centre.
- Attach the white plastic pipe (supplied) to the Y-connector (on the end of the blue silicone tube from the Celsius tap), then attach to SPARKLING OUT on the Command-Centre.
7.4 Connect the Boiling + mixed hot & cold tap installation
Chilled + mixed hot & cold tap installation

Boiling models
- Attach the red silicone tube to the BOILING OUT on the Command-Centre.
- Attach the clear vent tube to the VENT outlet on the Command-Centre.

Chilled models
- Attach the blue silicone tube to CHILLED OUT on the Command-Centre.
SECTION 7 CESLIUS TAP INSTALLATION

7.5 Connect the water supply (detail shown, disassembled)

- Isolation valve (not supplied)
- 15mm compression to ½" male BSP (not supplied)
- Blue marked Braided hose to mixer tap
- T-piece (supplied)
- Filter (supplied)
- Male - Male adaptor (supplied)
- Male - Female adaptor (supplied)
- Braided hose to Command -Centre inlet
- Male - Male adaptor (supplied)
- Male - Male adaptor (supplied)
- Male - Male adaptor (supplied)
- Blue marked Braided hose to mixer tap

Note correct filter and male-male adaptor orientation

7.6 Connect the water supply (detail shown, assembled)

- Isolation valve (not supplied)
- 15mm compression to ½" male BSP (not supplied)
- Blue marked Braided hose to mixer tap
- T-piece connections must be sealed with PTFE tape
- Filter (supplied)
- Male - Male adaptor (supplied)
- Male - Male adaptor (supplied)
- Braided hose to Command -Centre inlet
- Male - Male adaptor (supplied)
- Male - Male adaptor (supplied)
- Blue marked Braided hose to mixer tap

Note correct filter and male-male adaptor orientation
8.1 Dimensions and hole positioning

**Note** Celsius All-in-One 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 effective positional range. Ensure that taps are positioned to minimise the risks of scalding by dispensing boiling water while using the mixer tap.

8.2 Outlet configuration

Dimensions in mm
8.3 Tap configuration

8.4 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 silicon 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 AIO 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.
8.5 Connect the tap, boiling and chilled, boiling and ambient models

Do not over tighten the braided hoses. Ensure that all tubes and hoses are firmly secured.
8.6 Connect the tap, Boiling chilled & sparkling models

Do not over tighten the braided hoses. Ensure that all tubes and hoses are firmly secure.
8.7 Connect the water supply (detail shown, disassembled)

Note correct filter and male-male adaptor orientation

- Blue marked Braided hose to mixer tap
- Male - Male adaptor (supplied)
- T-piece connections must be sealed with PTFE tape
- Male - Male adaptor (supplied)
- Male - Female adaptor (supplied)
- Braided hose to Command -Centre inlet

Isolation valve (not supplied)

15mm compression to ½" male BSP (not supplied)

T-piece (supplied)

Incoming mains ambient water supply

Braided hose to mixer tap

Male - Male adaptor (supplied)

Filter (supplied)

Male - Female adaptor (supplied)

8.8 Connect the water supply (detail shown, assembled)

- Blue marked Braided hose to mixer tap
- Male - Male adaptor (supplied)
- Braided hose to Command -Centre inlet

T-piece connections must be sealed with PTFE tape

Note correct filter and male-male adaptor orientation

- BLUE marked Braided hose to mixer tap
- Male - Male adaptor (supplied)
- Male - Male adaptor (supplied)
- Braided hose to mixer tap

Incoming mains cold water supply

Braided hose to Command -Centre inlet

Incoming mains hot water supply

Red marked Braided hose to mixer tap
END OF LIFE DISPOSAL

The use of this crossed out wheeled bin logo indicates that electrical and electronic products needs 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. Please contact Zip Customer Service on 0345 6 005 005 for advice.
Refer to the Command-Centre instructions for warranty information.