



Zip HydroTap G5

Command Center
Boiling, Chilled & Sparkling models



AFFIX PRODUCT LABEL HERE



English



French

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download the manuals

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SECTION 1: Using these instructions

Before you start



This document is a Quick Start Installation Guide.
For further details on installing and operating your HydroTap download & read the Command Center installation and user instructions , which can be found online at:

www.na.zipwater.com



Read and use the instructions supplied with individual kit components for a safe installation.

Explanation of symbols



Read the
instructions



WARNING



Danger of
electric shock



Hot surface



CO₂ Gas
WARNING

SECTION 2: IMPORTANT SAFETY INSTRUCTIONS



Compliance

All Plumbing and Electrical connections must comply with local, state and federal codes.

All Plumbing and Electrical connections must be made in accordance with local regulations.

Ensure the electrical power supply at the installation site is suitable for your HydroTap.

HydroTap models are rated for the following installations:

- Commercial - 220-240VAC 50/60Hz or 230VAC 60Hz
- Residential (120V) - 110-120VAC 50/60Hz

Safety

This appliance is not intended for use by children under 8 years or persons (including children under 8 years) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the 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.

Ventilation

Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

CO₂

- Keep out of reach of children.
- Use according to MSDS (material safety data sheet).
- Pressurized container. Contains gas under pressure, may explode if heated.
- Protect from sunlight.
- Do not expose to temperatures exceeding 122°F, (50°C).
- Do not expose to naked flame or any incandescent material.
- Do not pierce or burn, even after use. Avoid shock.
- High concentration of gas may cause asphyxiation.



SECTION 2: IMPORTANT SAFETY INSTRUCTIONS

- Use only in an upright position.
- The cylinder must be used with the supplied pressure regulator.
- Store in a location with a volume no less than 65 cubic yards (50 cubic meters) for each 5 lb, (2.27kg) cylinder.
- If more than 1 gas cylinder containing CO₂ is present within the same location, the recommended ventilated area should be in proportion to the number of gas cylinders stored in that location. A ventilated area is a non-enclosed area which could include the kitchen, living room etc.
- Refer to the gas cylinder and MSDS for a complete list of warnings (www.na.zipwater.com).

Qualifications

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 boiling water droplets may discharge through a vent outlet on the tap. If not using the font, ensure the tap body is located so the tap outlet safely dispenses into the sink bowl.

Lifting

Take care when lifting. The Command Center may exceed safe lifting limits. If you feel this is beyond your personal capabilities, please seek assistance with the lift. The weight of the Command Center is marked on the packaging. Do not lift the Command Center by the front cover or any of its connections.

Airflow

The ambient operating temperatures, when installed in a cabinet, must be between 41 - 95°F, (5 - 35°C) . The system will operate satisfactorily only with proper air ventilation. Air gaps of 2", (50mm) on each side, and 8", (200mm) above must be provided. See section 6 for correct ventilation details.

Altitude

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

SECTION 2: IMPORTANT SAFETY INSTRUCTIONS

Frost protection

If the HydroTap is located where the ambient air temperature could fall below 41°F , (5°C) when the system is not in use, do not turn off the Command Center electrically. This safeguard does not offer the same protection to the connecting pipework and fittings.


Application

The HydroTap G5 Home series is intended to be used in household and similar applications such as:

- Staff kitchen areas in shops, offices and other working environments;
- Farm houses and by clients in hotels, motels and other residential type environments;
- Bed and breakfast type environments;
- Catering and similar non-retail applications.

SECTION 3: WARNINGS & REGULATORY INFORMATION



- For continued safety of this appliance it must be installed, operated and maintained in accordance with the manufacturer's instructions.
-  The Zip HydroTap must be grounded. Grounding is provided via the supplied power cord. The resistance of the earth connection to each exposed metal part must be less than 1Ω. Use the power cable supplied. It is the responsibility of the installer to ensure the power point is earthed.
- All installation and service work must be completed by trained and suitably qualified tradespeople. Faulty operation due to unqualified persons working on this product may void warranty coverage.
- As the installer, it is your responsibility to supply and install all valves as required by local regulations and relevant standards.
- Do not remove the cover of the appliance under any circumstances without first isolating the appliance from the power supply.
- The new hose sets supplied with the product must be used. Do not re-use old hose sets.
- Never locate the system near, or clean with water jets.
- Do not expose the Zip HydroTap to the elements of nature.
- Due to the process of continuous improvement, Zip reserves the right to change details mentioned in this manual, without notice.
- If this device is not maintained and operated as specified in this document, there is a risk of exposure to contaminants.
- When dispensing hot water, the device can create a scald hazard.
- Use of tools can be hazardous. Assess the risks before you start.
- A clearance envelope around all Command Centers must be provided to allow adequate ventilation for the safe and effective use of the HydroTap system.
- The vent tray, if provided, must be fitted. It provides a efficient ventilation for high capacity products.
- Valve and fitting threads must be sealed appropriately with PTFE tape where compression seals are not provided.
- Always flush new filter before use.
- Do not over tighten plumbing and hose connections.
- Braided hoses supplied cannot be lengthened.

SECTION 3: WARNINGS & REGULATORY INFORMATION

- Be aware of the risks of hazards which could cause harm when handling compressed CO₂. Assess the risks before starting the installation.
- Do not proceed with a CO₂ cylinder change if the seals are damaged. Take care not to cross thread the regulator, a cross threaded regulator poses a potential hazard.
- Care must be taken when working with high pressure carbon dioxide, and in no case should the normal operating pressure of 43.5psi, (3 bar) be exceeded.
- The power cord and general power outlet must be in a safe and accessible position after installation. When positioning the appliance, ensure the power supply cord is not trapped or damaged. If the power supply cord is damaged it must be replaced by a Zip service provider or a qualified electrician.
- Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.
- For safe operation, the HydroTap is designed to be installed, commissioned and used within 48 hours. Should the HydroTap not be required for an extended period of time (72 hours or more), do not fill and commission the HydroTap until ready for first use.
- For water taste and quality reasons, following any non-use period of more than 72 hours, Zip recommends to perform a system flush. Failure to flush the system may affect water quality.

SECTION 4: Technical data

Technical data

| Model | 220-240V 50/60Hz | 230V 60Hz | 110-120V 50/60Hz | Dimensions | Weight lb, (Kg) |
|----------|---------------------|-----------------|---------------------|---------------------------------------|--------------------|
| | | | | W x D x H inch, (mm) | |
| BCS60 | 9.5A (2150W) | N/A | N/A | 15.5 (395) x 18.3 (464) x 13 (333) | 90.4 (41) |
| | | | | With Duct | |
| | | | | 17.7 (450) x 18.3 (464) x 13 (333) | |
| BCS20 | N/A | 9.5A (1960W) | N/A | With Duct and Vent Tray: | 75 (34) |
| | | | | 19.79 (500) x 20.5 (520) x 14.7 (373) | |
| BCS Home | N/A | N/A | 9.9A (1200W) | 13.4 (339) x 18.1 (460) x 13 (333) | 75 (34) |

Electricity supply requirements

110-120VAC 60Hz or 230VAC 60Hz (for power requirement see table above).

| Region | Power outlets required |
|--------|--|
| USA | 1x 110-120VAC 60Hz or 230VAC 60Hz outlet |

Water supply connection

1/2" BSP

Water supply requirements

- A cold water supply with a working pressure range of 37 - 100 psi , (250 - 700 kPa) connected via an isolation valve.
- Water inlet connection size is 1/2" BSP. The system shall only be supplied with cold water.
- Potable water should have a minimum TDS (Total Dissolved Solids) of 50 ppm. In areas where the TDS exceeds 150 ppm and where mineral scale could be a problem, consideration should be given to the maintenance required. Adding a water softener or reverse osmosis system should be considered.

SECTION 5: Parts supplied, consumables and accessories

- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that contain filterable cysts.



A pressure limiting valve must be fitted for mains water pressures above the maximum limits stated above in accordance with local plumbing regulations.

Note: All models have an internal pressure limiting device to reduce the maximum mains regulated pressure protecting the system against pressure surges above 73 psi, (500kPa).

| Parts supplied with the HydroTap | BCS for Work | BCS for Home |
|---|-----------------|-----------------|
| Tap | | |
| HydroTap faucet | ✓ | ✓ |
| HydroTap pipes, tubes hoses and fittings | ✓ | ✓ |
| Command Center | | |
| Command Center | ✓ | ✓ |
| Mains electrical supply cable | ✓ | ✓ |
| Water supply inlet hose | ✓ | ✓ |
| Water supply inlet adaptor and strainer | ✓ | ✓ |
| Ventilation kit (including vent tray with BCS60 models) | ✓ | ✓ |
| Filters | | |
| Water filter & instructions | ✓ | ✓ |
| Limescale filter kit | Optional | Optional |
| Drip tray | | |
| Drip tray kit | Optional | Optional |

Note: Mains water isolation valve is not supplied with the kit. Contact Zip for the full range of consumables and accessories.

SECTION 6: Set up the ventilation



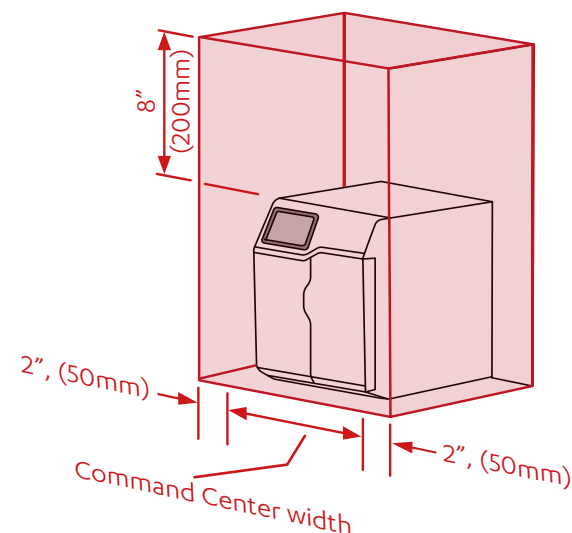
Use of tools can be hazardous. Assess the risks before you start.



Use instructions supplied with individual kit parts.



A clearance envelope around all Command Centers must be provided to allow ventilation for the safe and effective use of the HydroTap system.



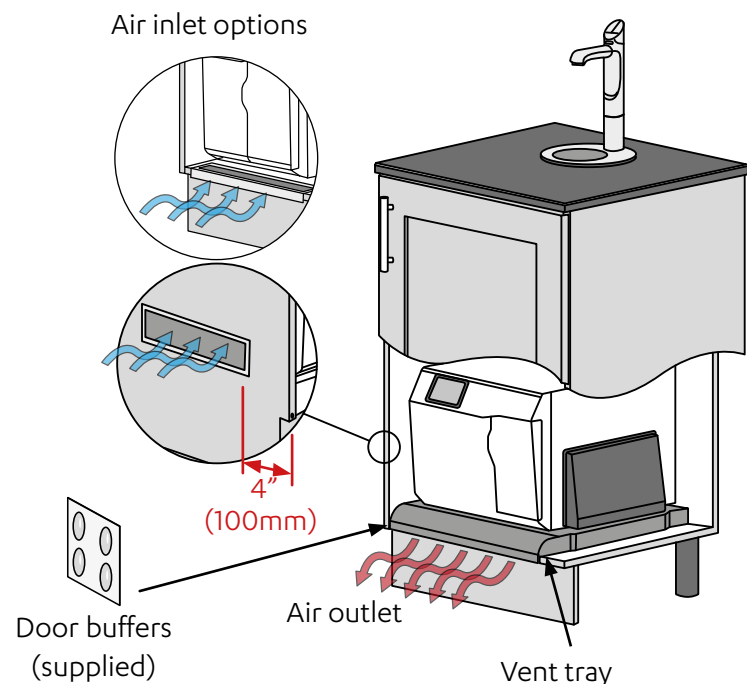
SECTION 6: Set up the ventilation

BCS60 models

- Cold air is drawn in through the inlet vent and gap provided by the door buffers.
- Inlet vent is mounted over cupboard side, door or floor cut-out.
- Warm air is exhausted through vent tray.
- Observe 4", (100mm) inlet / outlet vent separation (see below).



The vent tray must be fitted. It provides a safe exhaust for refrigerant gas in the unlikely event of a leak.

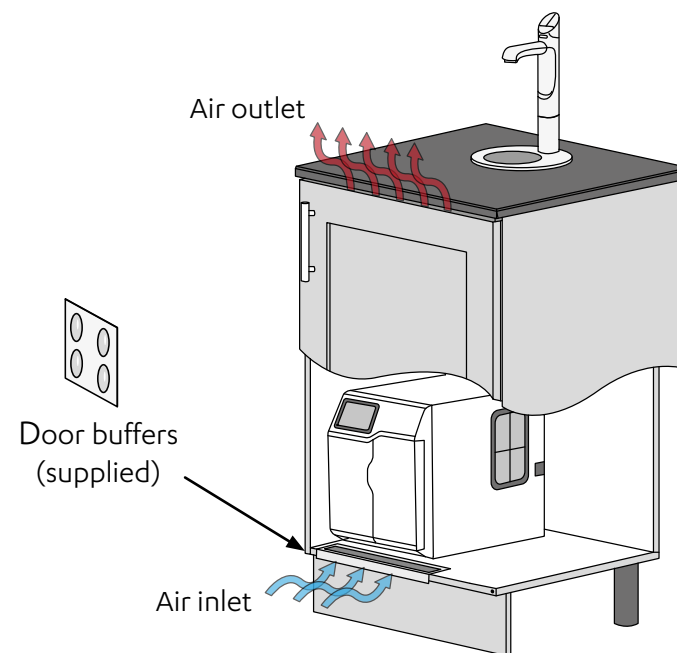


Vent tray dimensions WxDxH inch (mm):
19.7 (500) x 20.3-21.8 (515-555) x 1.6 (40)

SECTION 6: Set up the ventilation

BCS20 & BCS Home models

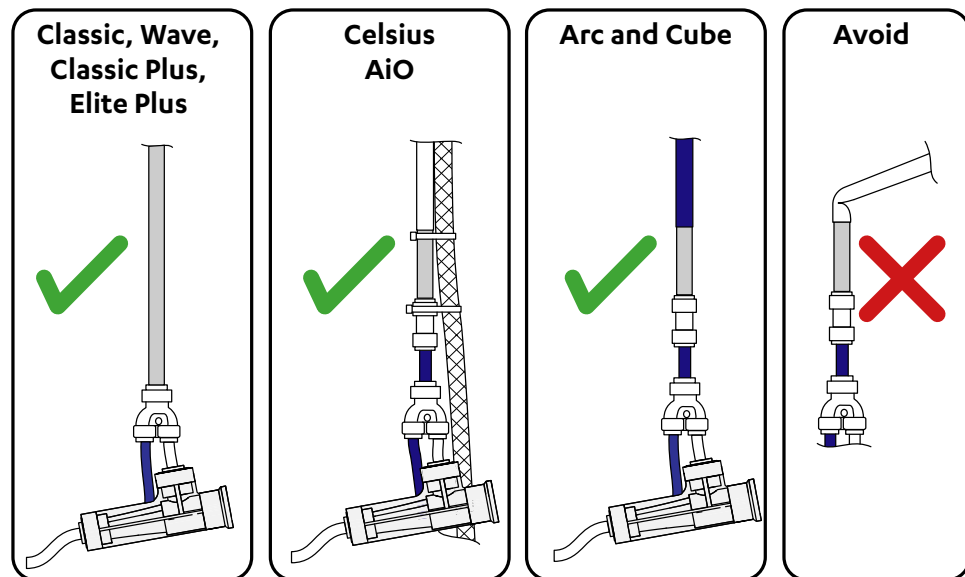
- Cold air is drawn in through the inlet vent and lower gap provided by the door buffers.
- Inlet vent is mounted over cupboard side, door or floor cut-out.
- Warm air is exhausted through upper gap provided by the door buffers.



All models

If cupboard temperature exceeds 95°F, (35°C) additional ventilation is required. Contact your Zip service provider for options (including additional vents and fan kit).

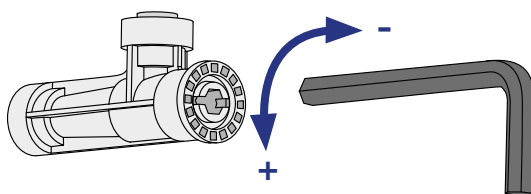
SECTION 7: Fit the carbonation valve



White tube to SPARKLING outlet of Command Center

Carbonation valve flow adjustment

- Use a 6mm Allen key or a large flat-blade screwdriver to adjust the valve.
- Rotate the adjustment screw anti-clockwise to increase, and clockwise to decrease the flow.
- To measure the set flow rate, use a measuring jug or cup and run the sparkling water for 15 seconds. The HydroTap has a default 15 second dispense time, which will help in your flow rate setup.
- Multiply the amount of water dispensed in 15 seconds by 4 to determine the flow rate in liters per minute.
- The minimum flow rate required is 0.4 gallons, (1.6 liters) per minute.
- If the flow rate is adjusted too high, the carbonation tank will be emptied of water, leaving only CO₂ to be dispensed from the tap. This will result in inconsistent flow (spluttering).



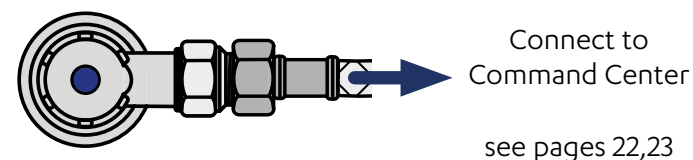
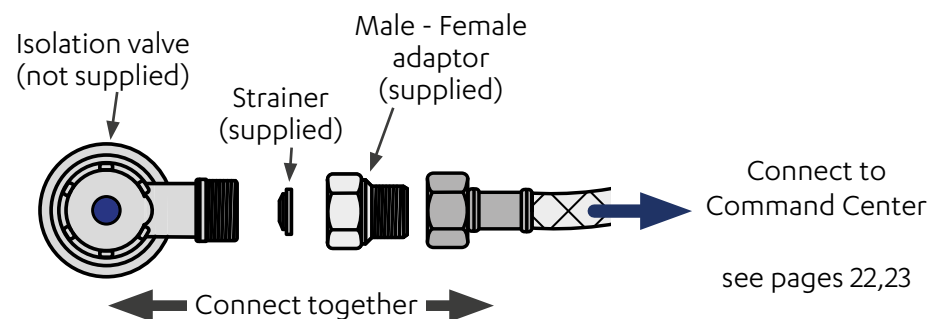
SECTION 8: Connect the water supply



Valves and fittings must be sealed with PTFE tape if compression seals are not included.

Note: Mixer tap installations also use a 'tee piece' as part of the water supply plumbing connections, see the Tap installation instructions supplied with the Mixer Tap to connect the water supply if using the mixer tap option.

Note: Correct strainer orientation.



SECTION 9: Set the bypass & install the limescale filter

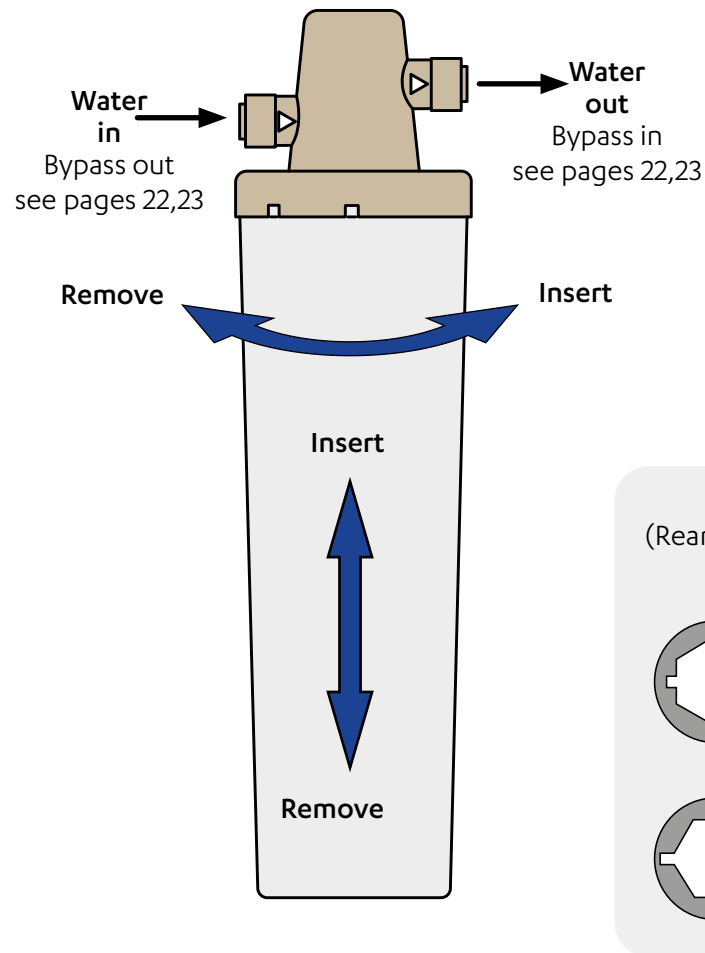
Available as optional accessory.



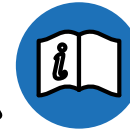
For filter head and scale filter installation use the guide supplied with the filter head and filter respectively.



Flush filter before use.



SECTION 10: Install the CO₂ cylinder and regulator

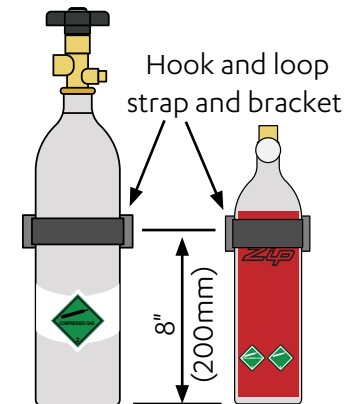


Be aware of the risks of hazards which could cause harm when handling compressed CO₂.
Read the safety warnings at the start of this instruction manual. Assess the risks before starting the installation.

- CO₂ cylinders are available in two sizes:
- 1.5lb [24oz] (0.67 kg) [approx. 30 gal. (112 liters)] for residential use.
- 5.0lb [80oz] (2.27 kg) [approx. 100 gal. (378 liters)] for commercial use.

Secure the cylinder

- Ensure there is sufficient space to safely secure the cylinder and regulator.
- Secure cylinder vertically to a robust surface with the hook & loop strap and bracket supplied.



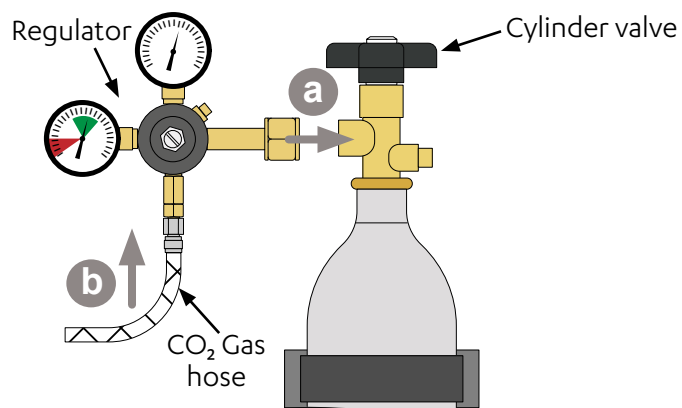
Fit the regulator and connect the gas hose

- See illustrations on page 18.
- Ensure all mating surfaces are clean and cylinder valve is turned off.
- Turn the regulator OFF, (fully anticlockwise).
- Check the regulator and hose seals, inside the connectors.
- Carefully screw the regulator onto the cylinder connection.
- Connect the CO₂ gas hose to the regulator.
- Connect the CO₂ gas hose to the Command Center.

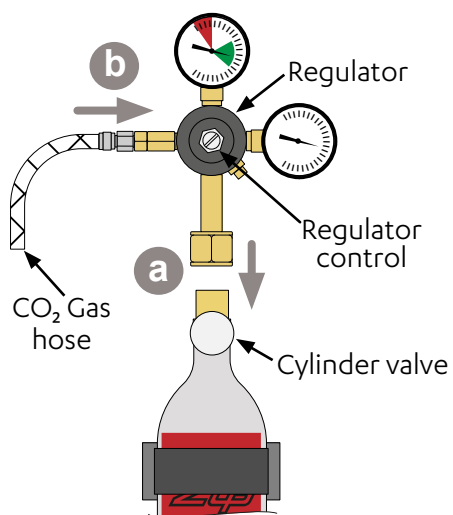
SECTION 10: Install the CO₂ cylinder and regulator



Do not proceed if the seals are damaged.
Take care not to cross thread the regulator, a cross threaded regulator poses a potential hazard.



5.0lb (2.27 kg) cylinder

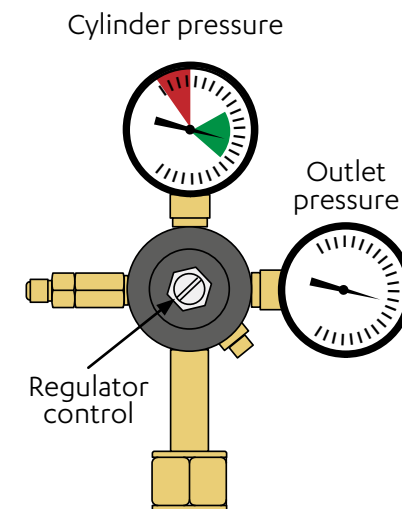


1.5lb (0.67 kg) cylinder

SECTION 10: Install the CO₂ cylinder and regulator

Adjust the G5 regulator

- Check the regulator control is turned all the way OFF (anti-clockwise).
- Turn the CO₂ gas ON using the cylinder valve, (anti-clockwise). (dual-gauge regulator).
- Turn the regulator control (clockwise +) to adjust the outlet pressure to 44psi (3.0 bar) on the outlet pressure gauge.



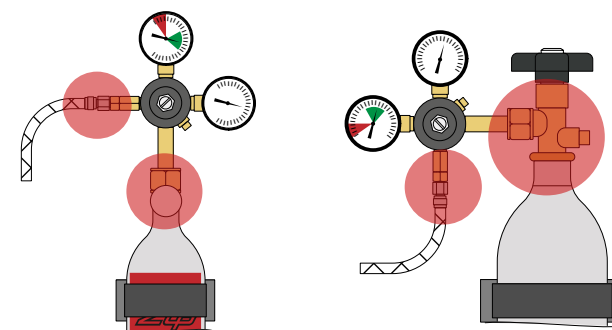
Test for leaks



Care must be taken when working with high pressure carbon dioxide, and in no case should the normal operating pressure of 44 psi (3 bar) be exceeded.

- Apply soapy water to the gas connections (see below), using a brush.
- If there is a leak, bubbles will appear.

Test for leaks in these areas



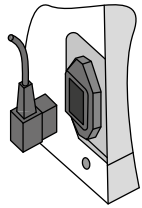
SECTION 11: Connect the Command Center

Generic installation instructions

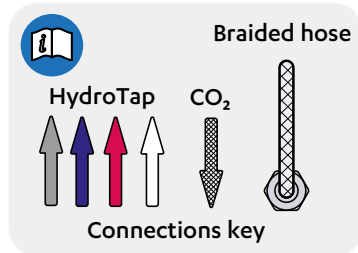
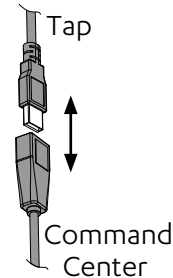


For HydroTap, mixer tap and any optional accessories, use instructions supplied with individual kit components.

Mains power cable

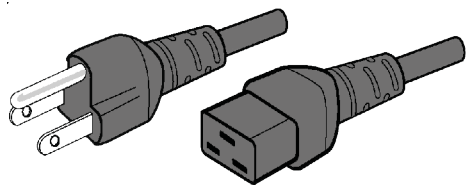


USB

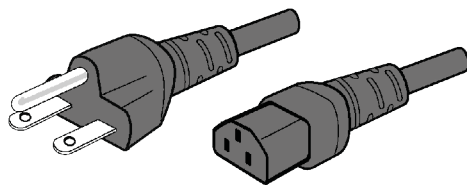


Warning: HydroTap models are available for either 110-120VAC 50/60Hz or 230VAC 50/60Hz installations. Ensure the electrical power supply at the installation site is suitable for your HydroTap. Use only the power lead supplied with the product.

Connect the power lead to the HydroTap and connect the plug into the electrical power outlet, ensuring both ends are securely engaged to reduce the risk of overheating.



Power lead for 110-120V, 60Hz
ONLY (NEMA 5-15 / IEC C19)

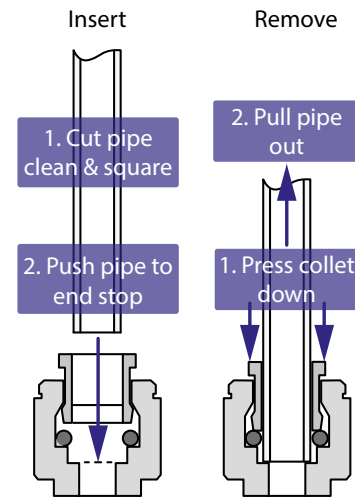


Power lead for 230V, 60Hz
ONLY (NEMA 6-15 / IEC C13)

SECTION 11: Connect the Command Center

John Guest pipe and fittings

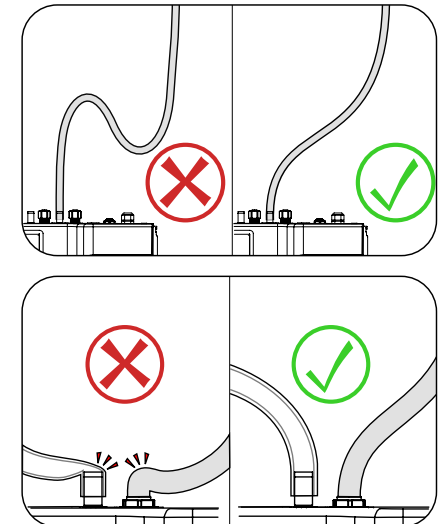
Take care to use correctly, see below :



Installation diagrams are for illustrative purposes only.
Hoses are not shown to scale and cannot be lengthened.

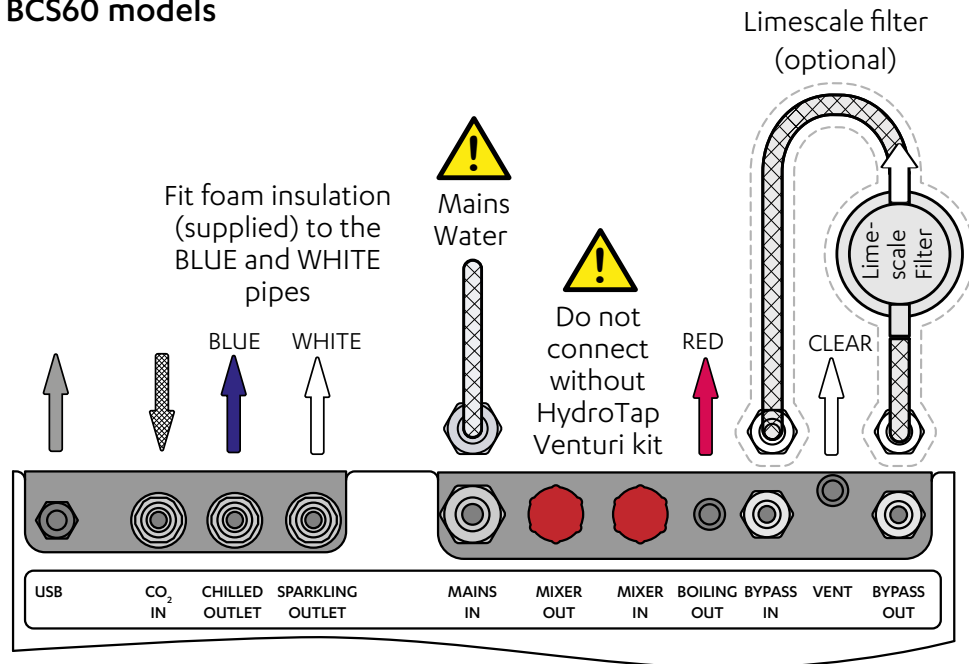
Tips for hose connection

- Push the silicone hose over the connector for a minimum of 0.6", (15mm).
- Ensure there a constant fall from the tap down to the command Center.
- Hoses must be trimmed to avoid loops and kinks. Take care when positioning before cutting and make a clean cut straight across the hose, using a sharp blade.
- The hoses must not be under tension when installed.

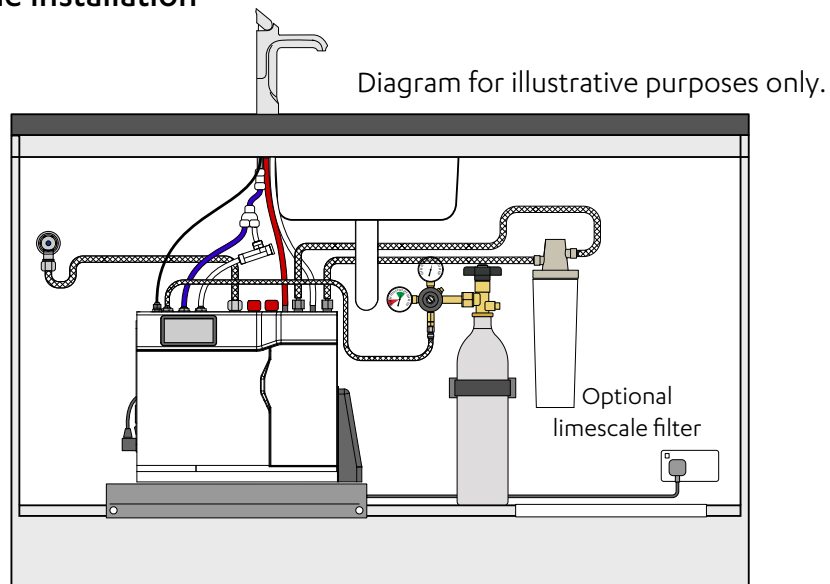


SECTION 11: Connect the Command Center

BCS60 models

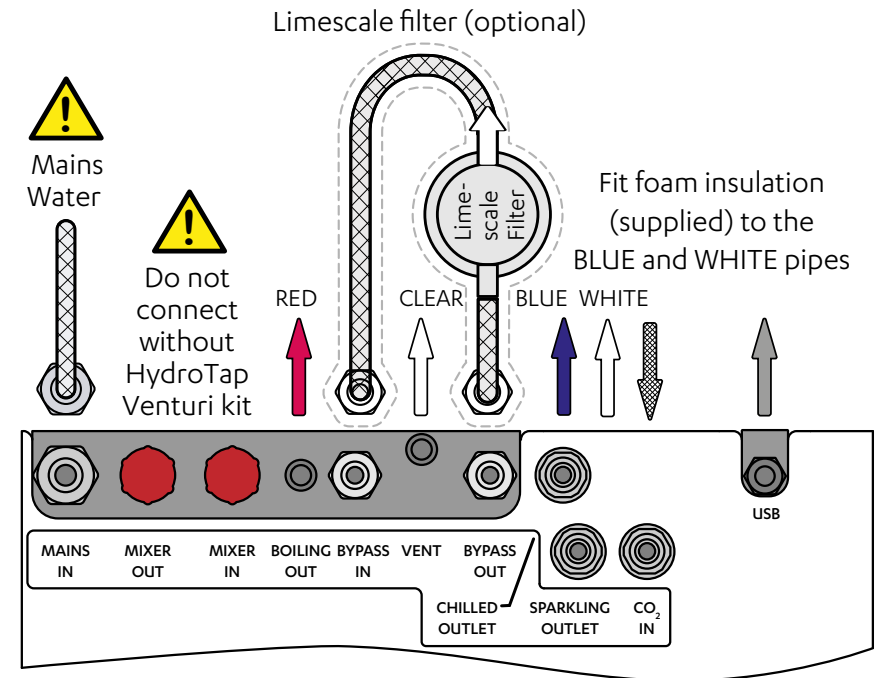


Example installation

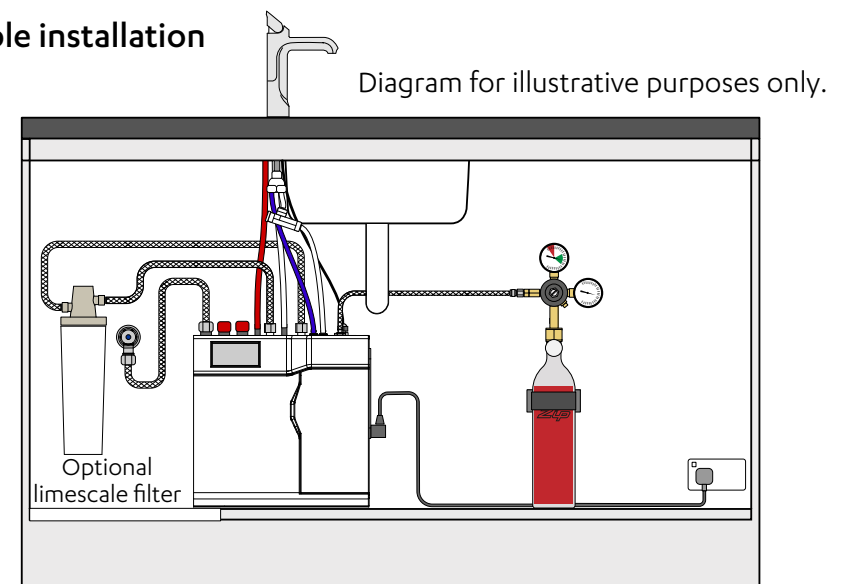


SECTION 11: Connect the Command Center

BCS20 & BCS Home models



Example installation



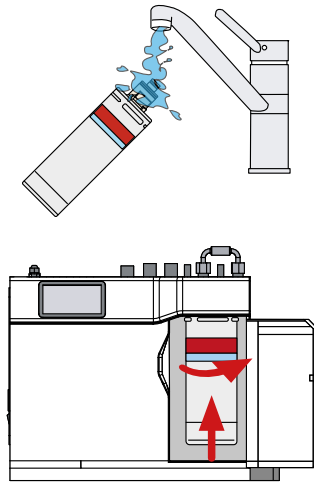
SECTION 12: Commissioning



For a more detailed discretion of the commissioning process, refer to the Command Center installation and user instructions

Install the filter cartridge

- Unpack filter cartridge, remove sanitary cap.
- Write today's date where shown on the label.
- Avoid touching the filter o-rings and filter opening as this may cause bacterial contamination of the cartridge.
- Moisten the o-rings with water.
- Open the filter door on the Command Center.
- Align the front cartridge label to the left, and push the new cartridge up into the filter head.
- Turn the cartridge a quarter turn anticlockwise until it comes to a complete stop and locks, with the front label facing forward.

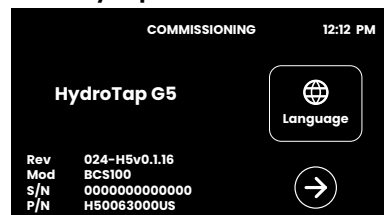


Turn on the supplies & familiarize yourself with the system

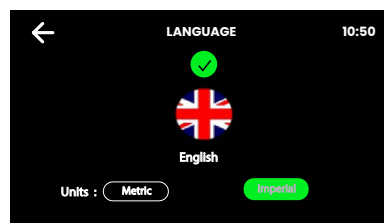
- Connect the mains electrical power cable to the supply.
- Turn the power and water on and check for any leaks.
- Familiarize yourself with the operation of the tap and GUI screen in preparation for use, see the user guide.

Select the language, date / time & drain away options

- Initial commissioning screen touch Language option.

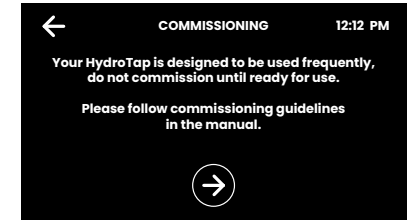


- Touch the appropriate button to select the language and units of choice.
- Touch the back arrow to go back to previous menu.
- In the previous menu, touch the arrow to begin the commissioning process.

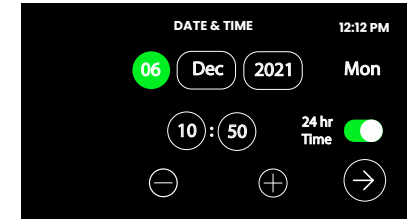


SECTION 12: Commissioning

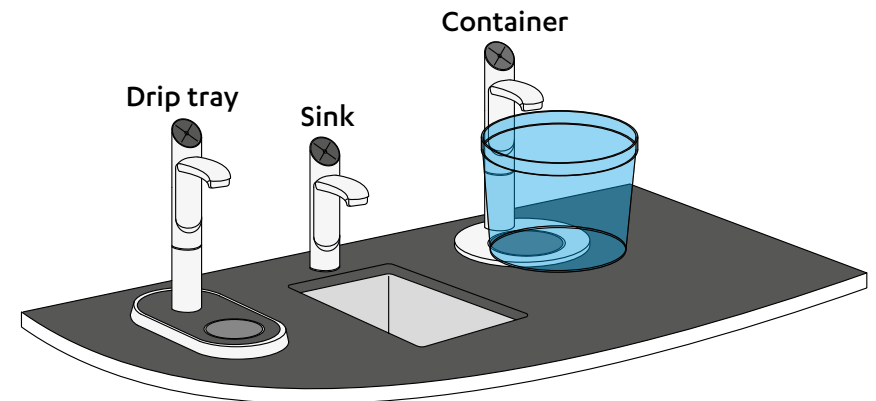
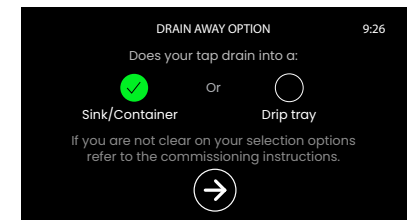
- Touch the arrow to continue when ready to start using the HydroTap.



- Touch the date and time, use "-" or "+" to make adjustments. When ready, touch the arrow to continue.



- Select 'Sink / Container' or 'Drip tray' depending on the model, see below.
- Select 'Drip tray' if the HydroTap is mounted on a drip tray.
- Select 'Sink / Container' if the HydroTap is mounted such that the waste water dispenses into a sink, or container.

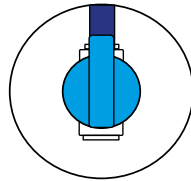
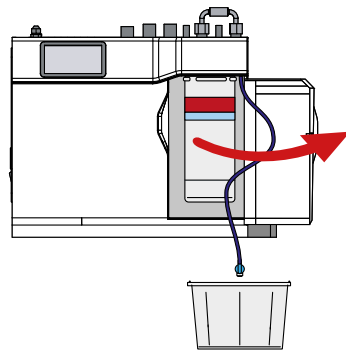


- **Note** This selection will determine if water is dispensed automatically or requires operation of the tap during the tank flush process.
- Touch the arrow to continue.

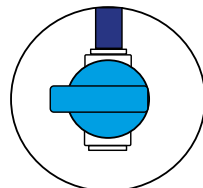
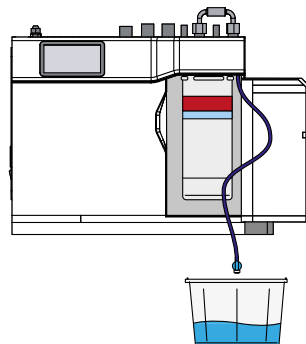
SECTION 12: Commissioning

Filter flush

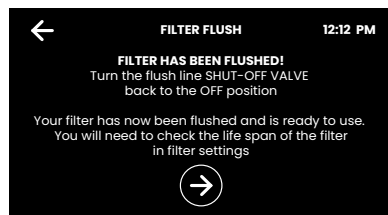
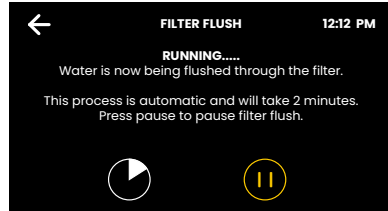
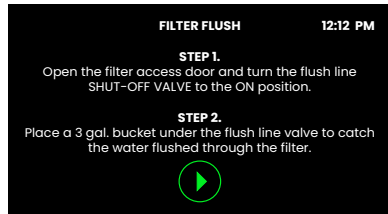
- Follow the steps on-screen to flush the filter.
- Open filter door & uncoil flush line.
- Direct flush line into bucket.
- Place a cloth or towel under the filter cartridge to catch any water that may spill.
- Open the shut-off valve.
- Start filter flush.



Shut-off valve open



Shut-off valve closed

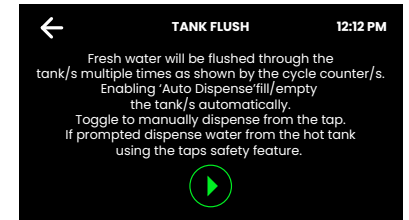


- Once the filter flush is finished, close the shut-off valve.
- Wipe up any spills.
- Close the door to secure the appliance.

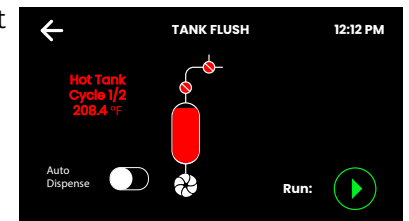
SECTION 12: Commissioning

Tank flush (does not apply to chilled sparkling models)

- Follow the instructions to flush the tanks. Dispense water from the tap if instructed.
- Note** The 'Auto Dispense' option will be enabled/disabled based on the selection made in the drain away option screen. It can be altered by touching the toggle button.
- Note** Care should be taken if enabling 'Auto Dispense' if the tap drains over a font as it may overflow during the tank flush.
- Make a selection and press Run to start the tank flush.
- If 'Auto Dispense' is enabled the tanks will fill and empty automatically except if the water in the hot tank is above 122°F, (50°C). In this case follow the prompts on the screen to utilize the tap and its safety feature to empty the hot tank.
- If 'Auto Dispense' is disabled the tanks will fill automatically. When prompted use the tap to dispense water and empty the tanks. If the hot tank has water above 122°F, (50°C) then use the taps safety feature to dispense.

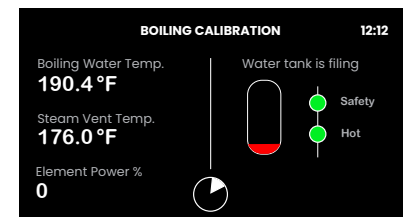
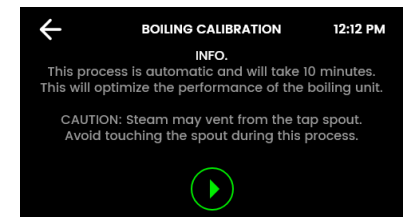


BCS Models



Boiling calibration

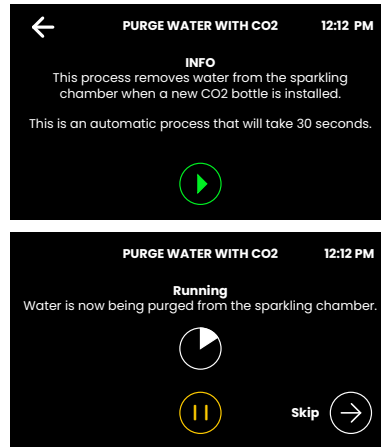
- Press the green button and the system will start the boiling calibration procedure. This can take up to 10 minutes.
- Note** For BCS models the compressor will turn on to pre-cool the cold system.



SECTION 12: Commissioning

CO₂ purge

- CO₂ life settings should be adjusted for the size of the CO₂ bottle connected.
- Use the skip arrow to end the CO₂ purge process prematurely if all water has been purged and only gas can be heard coming from the tap.



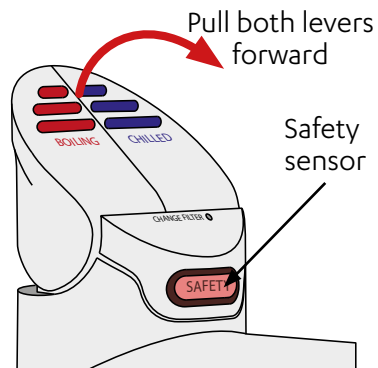
Adjust the carbonation valve

- See section 7.

Safety sensor calibration (Classic boiling models only) Optional, in cases where light recalibration is required.

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 sunlight must be shaded from the HydroTap, during the calibration. This can be achieved by closing any nearby curtains, blinds, etc.

- Shield the HydroTap from direct sunlight.
- In normal operating mode. Turn the power off.
- Pull both tap levers to the forward position.
- Turn the power on.
- The safety sensor will calibrate.
- Return the levers to the neutral position.



SECTION 12: Commissioning

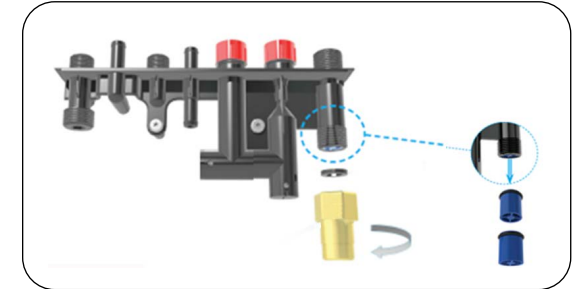
Backflow Prevention

All HydroTap models that have sparkling/carbonated water functionality include the following integral Backflow Prevention.

Main Water Inlet

The Dual Check Valve (DCV) on the Mains Water inlet connection is designed to ensure a uniform direction of flow throughout the HydroTap. This valve configuration eliminates any possible contamination of the mains water supply, caused by backflow or back siphonage and is a secondary safety feature in the case of the inlet safety solenoid. The DCV also maintains a constant pressure upstream of the inlet safety solenoid. There are two (2) operating principles:

- Firstly, one check valve will still act, even if the other is jammed open;
- Secondly, the closure of one valve reduces the pressure differential across the other, allowing a more reliable seal and avoiding the possibility of minor leakage.

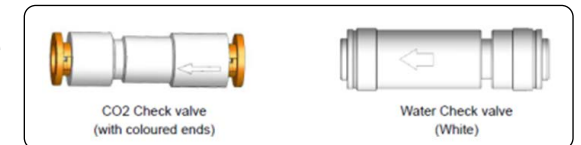


The HydroTap MUST NOT be operated without the Dual Check Valves in place.



Internal Carbonator

There are two (2) Check Valves on the internal Carbonator. The Check Valves ensure the flow of CO₂ gas and water is maintained in one direction, into the carbonator. These valves help to maintain the pressure needed to ensure the gas remains dissolved in the water while inside the carbonator. The Check Valves are designed to stop any backflow of gas and/or water out of the internal carbonator.



In addition to the HydroTap's integral Backflow prevention

SECTION 12: Commissioning

Some authorities require additional Backflow Prevention to be installed to comply with the Local, State or Federal plumbing code requirements. Both the Universal Plumbing Code (UPC) and National Standard Plumbing Code (NSPC) require the use of an American Society of Sanitary Engineers (ASSE) 1022 backflow preventer on the supply to carbonators under UPC 603.5.12 and NSPC 10.5.8.

UPC: “Potable water supply to beverage dispensers, carbonated beverage dispensers, or coffee machines shall be protected by an air gap or a vented backflow preventer in accordance with ASSE 1022. For carbonated beverage dispensers, piping material installed downstream of the backflow preventer shall not be affected by carbon dioxide gas”.

NSPC: “The water supply to a carbonated beverage dispenser shall be protected against backflow with an integral backflow preventer conforming to ASSE 1022 or an air gap. Carbonated beverage dispensers and carbonated beverage dispensing systems without an integral backflow preventer conforming to ASSE 1022 or an air gap shall have the water supply protected with double check valve and atmospheric vent conforming to ASSE 1022.”

In order to comply with this requirement the Installer MUST install an ASSE 1022 approved backflow device on the water supply leading to the HydroTap. This will ensure compliance with the requirement to protect the potable water supply to the carbonated beverage dispenser.

SECTION 13: Performance data sheets

Performance Data Sheet

Zip HydroTap G5 BCS Home with ARC XX, CUBE XX, Celsius AIO XX, Classic XX, Wave XX, Classic Plus XX, Elite Plus XX, ARC Plus XX, and CUBE Plus XX faucets.

Manufacturer: Zip Heaters (Aust) Pty Ltd

67 Allingham Street, Condell Park NSW 2200 Australia

Distributed in US and Canada by: Culligan International Company

Call Zip’s US distributor Culligan International Company on US Toll Free 1-833-233-2358 for assistance, service, spare parts or enquiries.

Testing Conditions and Results:

Flow Rate: 1 gpm , Pressure: 60 psig \pm 3, Temperature: 68 \pm 5 °F, Capacity: 1,100 gallons, pH: 7.5 \pm 0.5

Operating Conditions

Minimum Working Pressure: 37 psi (2.60 kg/cm²)

Minimum Operating Temperature: 41 °F (5 °C)

Maximum Working Pressure: 100 psi (7.03 kg/cm²)

Maximum Operating Temperature: 95 °F (35 °C)

Electrical Characteristics: 110-120V/60Hz

Replacement Cartridge: 1Z-LS (Culligan P/N 01034276)

Operating TDS: 50 ppm – 150 ppm

Cartridges manufactured for Zip by Pentair Everpure, EPA Est. No. 002623-IL-002. Replacement cartridges can be purchased from your local Culligan dealer, Zip dealer or other Zip approved distributors.

Substance Reduction

This system, used in conjunction with the above-mentioned filter cartridge, has been certified by IAPMO R&T according to NSF/ANSI 42 and NSF/ANSI 53 for reduction of the substances listed below as verified and substantiated by test data.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI 42 and NSF/ANSI 53.

| Substance | Average Influent Challenge Concentration | Max. Permissible Product Requirements | Reduction Requirements | Average Reduction |
|---|---|---------------------------------------|------------------------|-------------------|
| NSF/ANSI 42 – Aesthetic Effects | | | | |
| Bacteriostatic Effects | Unit passes NSF/ANSI 42 for Bacteriostatic effects. | | | |
| Chlorine, Taste and Odor | 2.0 mg/L \pm 10% | | \geq 50% | 97.4% |
| Nominal Particulate Reduction, Class I (\geq 0.5 μ m to $<$ 1 μ m) | 10,000/mL | | \geq 85% | 99.3% |
| NSF/ANSI 53 – Health Effects | | | | |
| Cyst | Minimum 50,000/L | | \geq 99.95% | 99.99% |
| Lead, pH 8.5 | 0.15 mg/L \pm 10% | 0.005 mg/L | \geq 96.67% | 98.9% |
| Lead, pH 6.5 | 0.15 mg/L \pm 10% | 0.005 mg/L | \geq 96.67% | 99.3% |

*Available in a range of premium metallic finishes. XX refers to the specific finish of the faucet: Chrome, Brushed Chrome, Matte Black, Rose Gold, Nickel, Brushed Nickel, Gunmetal Gray, Brushed Gold.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. The term ‘bacteriostatic’ means that the system limits the passage or growth of bacteria that may already exist in the incoming water. It does not mean that the water leaving the system is safer to drink than the water entering the system.

Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

See the installation manual for installation, maintenance requirements and warranty.

Performance Indicator: Filter Light on LED faucet. Full text notification on LCD display.

To maintain product certification and ensure uniform performance, the product is retested on a consistent basis.

Name & Signature: Buyer

Date

Name & Signature: Seller

Date

SECTION 13: Performance data sheets

Performance Data Sheet

Zip HydroTap G5 BCS60, HydroTap G5 BCS20 with ARC XX, CUBE XX, Celsius AIO XX, Classic XX, Wave XX, Classic Plus XX, Elite Plus XX, ARC Plus XX, and CUBE Plus XX faucets.

Manufacturer: Zip Heaters (Aust) Pty Ltd

67 Allingham Street, Condell Park NSW 2200 Australia

Distributed in US and Canada by: Culligan International Company

Call Zip's US distributor Culligan International Company on US Toll Free

1-833-233-2358 for assistance, service, spare parts or enquiries.

Testing Conditions and Results:

Flow Rate: 1.5 gpm , Pressure: 60 psig ± 3 , Temperature: 68 ± 5 °F, Capacity: 1,800 gallons, pH: 7.5 ± 0.5

Operating Conditions

Minimum Working Pressure: 37 psi (2.60 kg/cm²) Minimum Operating Temperature: 41 °F (5 °C)

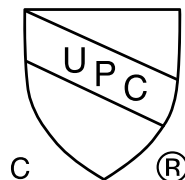
Maximum Working Pressure: 100 psi (7.03 kg/cm²) Maximum Operating Temperature: 95 °F (35 °C)

Electrical Characteristics: 220-240V 50/60 Hz or 230V 60 Hz

Replacement Cartridge: 1.5Z-LS (Culligan P/N 01034277)

Operating TDS: 50 ppm – 150 ppm

Cartridges manufactured for Zip by Pentair Everpure, EPA Est. No. 002623-IL-002. Replacement cartridges can be purchased from your local Culligan dealer, Zip dealer or other Zip approved distributors.



Substance Reduction

While testing was performed under standard laboratory conditions, actual performance may vary. This system, used in conjunction with the above-mentioned filter cartridge, has been certified by IAPMO R&T according to NSF/ANSI 42 and NSF/ANSI 53 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI 42 and NSF/ANSI 53.

| Substance | Average Influent Challenge Concentration | Max. Permissible Product Requirements | Reduction Requirements | Average Reduction |
|--|---|---------------------------------------|------------------------|-------------------|
| NSF/ANSI 42 – Aesthetic Effects | | | | |
| Bacteriostatic Effects | Unit passes NSF/ANSI 42 for Bacteriostatic effects**. | | | |
| Chlorine, Taste and Odor | 2.0 mg/L $\pm 10\%$ | | $\geq 50\%$ | 97.4% |
| Nominal Particulate Reduction, Class I ($\geq 0.5 \mu\text{m}$ to $< 1 \mu\text{m}$) | 10,000/mL | | $\geq 85\%$ | 99.3% |
| NSF/ANSI 53 – Health Effects | | | | |
| Cyst | Minimum 50,000/L | | $\geq 99.95\%$ | 99.99% |
| Lead, pH 8.5 | 0.15 mg/L $\pm 10\%$ | 0.005 mg/L | $\geq 96.67\%$ | 98.9% |
| Lead, pH 6.5 | 0.15 mg/L $\pm 10\%$ | 0.005 mg/L | $\geq 96.67\%$ | 99.3% |

*Available in a range of premium metallic finishes. XX refers to the specific finish of the faucet: Chrome, Brushed Chrome, Matte Black, Rose Gold, Nickel, Brushed Nickel, Gunmetal Gray, Brushed Gold.

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. The term 'bacteriostatic' means that the system limits the passage or growth of bacteria that may already exist in the incoming water. It does not mean that the water leaving the system is safer to drink than the water entering the system.

Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.

See the installation manual for installation, maintenance requirements and warranty.

Performance Indicator: Filter Light on LED faucet. Full text notification on LCD display.

To maintain product certification and ensure uniform performance, the product is retested on a consistent basis.

| | | | |
|-------------------------|------|--------------------------|------|
| Name & Signature: Buyer | Date | Name & Signature: Seller | Date |
|-------------------------|------|--------------------------|------|

Warranty

Limited Warranty- Zip Products

What Does This Warranty Cover?

Culligan International Company, d/b/a Zip Water, (hereinafter "Zip"), warrants to the original purchaser (the "Zip Customer") of the Zip product (the "Zip Product"), so long as the Zip Customer purchased the Zip Product from an authorized Zip dealer ("Authorized Zip Dealer"), that this Zip Product, including any of its original accessories, is free of defects in material and workmanship, subject to the terms and conditions set forth herein. This Limited Warranty covers parts and labor, except as set forth in this Limited Warranty

Where Is This Limited Warranty Valid?

This Limited Warranty is only applicable if the Zip Product was installed in the United States of America ("USA") or Canada.

What Is Required to Request Warranty Service?

All three of the following are required before warranty service will be performed: (1) Verification of the purchase date; (2) Verification that the Zip Product was purchased from an Authorized Zip Dealer; and (3) Verification that the Zip Product at issue was installed by an authorized Zip service technician or an approved Zip service provider.

When Does the Limited Warranty Expire?

Two (2) Year Limited Warranty - Any warranty claims for Zip Products must be received by Zip within 15 months from the date of purchase or within 12 months from date of installation. This warranty guarantees that if any part should fail within 15 months from date of purchase or within 12 months from the date of installation, except as detailed below, Zip or its authorized service provider will repair or replace the Zip Product. Determination to repair or replace will be in Zip's sole discretion. Repair or replacement services will be at no cost to the Zip Customer, provided that:

- the Zip Product is installed and used strictly in accordance with the instructions supplied; and
- all service under the Two (2) Year Limited Warranty is carried out only by an authorized Zip service technician or an approved Zip service provider. This warranty includes both parts and labor.

Extended Three (3) Year Limited Warranty – In addition to the Two (2) year Limited Warranty described above, the Zip Customer can opt to extend the Zip Product warranty by one (1) year, making the total Limited Warranty period three (3) years. In order to extend the warranty to three (3) years, the Zip Customer must register their product with Zip. This extended three (3)

Warranty

year Limited Warranty is subject to the same conditions as provided above in clauses a) and b).

How To Register?

Zip Products must be registered online at www.na.zipwater.com

What If Repair Is Impossible?

If Zip determines that the warranted repair of any Zip Product is impossible, the Zip Product shall, at Zip's discretion, either be replaced or refunded.

What Is Not Covered by This Limited Warranty?

This Limited Warranty does not cover:

- Damage or defects caused by, or resulting from, repairs, service, conversion or alterations to the Zip Product or any of its parts and accessories which have been performed by service centers or repairmen not authorized by Zip; damage or defects caused by negligence, improper installation (when not installed by an authorized Zip service provider), accident, abuse, misuse, power interruptions, power surges, unsuitable water conditions, floods, natural disasters, or force majeure; or improper maintenance of the Zip Product or its parts or accessories.
- Ordinary wear and tear.
- Consumable items such as water filter cartridges or CO2 cylinders.
- Zip Products covered by third party "Extended Warranties", which are sold separately by dealers, distributors or other third parties.
- Freight or shipping charges for sending a Zip Product to a Zip Repair Center.
- Products installed in cabinetry and other types of built-in applications that are not accessible to the service technician. We are not responsible for the dismantling or reinstallation of fixed infrastructure when removing or returning repaired or replaced Zip Product(s) into a custom installation.

Exclusion of Other Warranties

Any express or implied warranties with respect to the Zip Product are limited in their duration to the term of the Limited Warranty provided herein, including without limitation any warranty of merchantability or fitness for a particular purpose.

Limitation of Liability for Special, Incidental, Consequential Or Punitive Damages

ZIP SPECIFICALLY DISCLAIMS ANY AND ALL LIABILITY, WHETHER DIRECTLY OR INDIRECTLY, FOR ANY AND ALL SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY LOSS OR DAMAGE, INCLUDING AS A RESULT OF ANY DEFECT IN MATERIALS OR WORKMANSHIP (INCLUDING LOSS OR DAMAGE TO PROPERTY, PERSONAL INJURY OR DEATH), WHETHER BASED

Warranty

ON BREACH OF CONTRACT, TORT, STRICT OR PRODUCT LIABILITY, OR ANY OTHER LEGAL THEORY.

Dispute Resolution

If the Zip Customer is not satisfied with the warranty service, he or she must submit a claim in writing to Zip's Dispute Settlement Representative at Culligan International Company, d/b/a Zip Water, 9399 W Higgins Rd, Rosemont, IL 60018. The written notice must include the model and serial number of the Zip Product, the Authorized Zip Dealer (or seller) from which the Zip Product was purchased, the Authorized Zip Servicer Provider who performed the warranty service, the purchase date, a detailed description of the problem and the address and phone number at which the Zip Customer can be reached. Zip is committed to review each such notice promptly and thoroughly and to respond to the Zip Customer in order to settle such dispute. Any decision is not binding. Any controversy or claim arising out of Zip Customer's purchase of the Zip Product that cannot be settled amicably shall be settled by arbitration administered by the American Arbitration Association in accordance with its Commercial Arbitration Rules. The arbitration hearing shall take place in Chicago, IL before a single arbitrator. Judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof. If Zip prevails, Zip shall be entitled to reimbursement of all costs and expenses, including attorney's fees, from the Zip Customer.

How to Obtain Warranty Service for The Zip Product?

If during the relevant warranty period the Zip Customer finds the Zip Product to be defective in material or workmanship and the failure is promptly and timely reported to Zip in accordance with this Limited Warranty, an authorized Zip service agent shall be dispatched to determine whether the Zip Product is defective. If the authorized Zip service agent determines in his/her sole discretion that the Zip Product is (i) defective and (ii) covered by this Limited Warranty, the Zip service agent will either repair (if possible) or make arrangements for the repair of the Zip Product at no cost to you. This will include parts and labor. Zip reserves the right to charge for exceptional shipping or transportation costs (e.g., ferries, plane trips or excess mileage) as appropriate.

For service for all products under this Limited Warranty, or for product information, please contact Zip Service at service@na.zipwater.com or by calling 1-833-233-2358.

Effective Date: July 1, 2018,

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Manufactured by Zip Heaters (Aust) Pty Ltd

67 - 77 Allingham Street,
Condell Park NSW 2200
Australia

Distributed in US and Canada by: Culligan International Company

9399 West Higgins Road, Suite 1100

Rosemont, IL 60018

www.na.zipwater.com

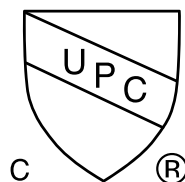
Call US Toll Free 1-833-233-2358 for assistance, service, spare parts or enquiries.

As Zip policy is one of continuous product improvement, changes to specifications may be made without prior notice. Images in this booklet have been modified and may not be true representations of the finished goods.

The terms “Zip” and “HydroTap” are registered trade marks of Zip Heaters (Aust) Pty Ltd.

BCS60, BCS20, and BCS Home systems certified by IAPMO R&T against NSF/ANSI Standard 42, NSF/ANSI Standard 53, NSF/ANSI Standard 372, CSA B483.1, ASSE 1023, and ASSE 1087. This will deliver the required bacteriostatic effect and the reduction of aesthetic chlorine, taste, odor, nominal particulate Class I ($\geq 0.5 \mu\text{m}$ to $< 1 \mu\text{m}$), cyst and lead as verified and substantiated by test data. See Performance Data Sheets for specific performance claims.

BCS60 and BCS20 system certified performance claims only valid when filter cartridge 1.5Z-LS (Culligan Part Number 01034277) is used. BCS Home system certified performance claims only valid when filter cartridge 1Z-LS (Culligan Part Number 01034276) is used.



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