



Zip HydroTap G5

Command Centre - UltraCare
BCU40, BCU60, BCU100

AFFIX PRODUCT LABEL HERE



Australia



UK

Visit our website to
download the manuals

Contents

Thank you for choosing Zip HydroTap !

Enjoy filtered boiling and chilled water from the Zip HydroTap.

Zip HydroTap UltraCare adds anti-bacterial components and an ultraviolet module to eliminate bacteria and other micro-organisms.

Due to the process of continuous improvement, Zip reserves the right to change details mentioned in this manual, without notice.

Visit www.zipwater.com (Australia)

specify.zipwater.co.uk (UK)

to ensure you have the latest copy of this document.

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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 Centre installation and user instructions , which can be found online at:

(Australia) www.zipwater.com

(UK) specify.zipwater.co.uk



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



Highly
Flammable



Li

Button/
coin battery

SECTION 2: IMPORTANT SAFETY INSTRUCTIONS



Compliance

In Australia electrical installation must comply with AS/NZS3000.

In Australia plumbing installation must comply with AS/NZS3500.

In Australia for residential chilled models, all refrigeration must comply with AS/NZS 60335.2.24.

In the UK the system must be installed in accordance with water supply byelaws, current IEEE regulations and local authority byelaws.

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.

Intended Use

This appliance is intended to be used in: 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.



Refrigerant

WARNING! KEEP VENTILATION OPENINGS IN THE APPLIANCE ENCLOSURE OR IN THE BUILT-IN STRUCTURE CLEAR OF OBSTRUCTION.

The Zip HydroTap Command Centre range uses either FLAMMABLE R290 (UK & EU markets), or R134a (all other markets) refrigerant under pressure. Check the rating plate or contact Zip before commencing work.

Maintenance of the refrigeration unit must be carried out by an accredited service provider or qualified refrigeration technician.

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

SECTION 2: IMPORTANT SAFETY INSTRUCTIONS

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

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 Centre 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 Centre is marked on the packaging. Do not lift the Command Centre by the front cover or any of its connections.

Airflow

The ambient operating temperatures, when installed in a cabinet, must be between 5 - 35°C. The system will operate satisfactorily only with proper air ventilation. Air gaps of 50mm on each side, and 200mm above must be provided.

See section 7 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.

Frost protection

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

SECTION 2: IMPORTANT SAFETY INSTRUCTIONS



Compressed gas warning - HydroTap Clean can

- Read label before use.
- Keep out of reach of children.
- Use according to SDS (safety data sheet).
- Pressurised container. Contains gas under pressure, may explode if heated.
- Protect from sunlight.
- Do not expose to temperatures exceeding 50 °C.
- Do not expose to naked flame or any incandescent material.
- Do not pierce or burn, even after use.
- Avoid shock.
- SDS is available for download at www.zipwater.com or www.zipwater.co.uk

First aid

- For advice contact a Poison Control Information Centre
- Australia (+61) 131126
- Ireland (+353) 1809 2166
- UK (+44) 171 635 9191

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.



- This appliance may deliver water at high temperature. Refer to the Plumbing Code of Australia (PCA), local requirements and installation instructions to determine if additional delivery temperature control is required.



- The button/coin battery is hazardous and is to be kept away from children. It can cause severe or fatal injuries in 2 hours or less if it is swallowed or placed inside any part of the body. Medical attention should be sought immediately if it is suspected the battery has been swallowed or placed inside any part of the body.

-  The Zip HydroTap must be earthed. Earthing 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.
- The HydroTap is rated for 220-240V 50Hz AC operation.
- Use only the power supply provided with the UV-C Module. An ACM36US21 power supply is provided.
- Do not remove the cover of the appliance under any circumstances without first isolating the appliance from the power supply.
- Connect only to a potable (wholesome, cat1) mains water 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.
- The booster complies with protection class IP 20.
- For UK, a pressure limiting valve must be fitted for mains water

SECTION 3: WARNINGS & REGULATORY INFORMATION

pressures above the maximum limits stated.

- Use of tools can be hazardous. Assess the risks before you start.
- A clearance envelope around all Command Centres must be provided to allow adequate ventilation for the safe and effective use of the HydroTap system.
- 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 connect Booster to electrical supply until commissioning.
- Do not over tighten plumbing and hose connections.
- Braided hoses supplied cannot be lengthened.
- 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, 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 48 hours, Zip recommends to perform a system flush. Failure to flush the system may affect water quality.
- For UK, this appliance incorporates adequate backflow prevention in accordance to S.I.1999 No.1148 The Water Supply (Water fittings) Regulations 1999 Schedule 2 requirement. No further backflow prevention is required for connection to the water supply.
- For UK, this appliance only contains materials that conform to the requirements of BS6920:2014 'Suitability of non metallic materials and products for use in contact with water intended for human consumption with regard to their effect on the quality of water'.

SECTION 4: Technical data

Electricity supply requirements

220-240V 50Hz AC.

Component	Country	
	Australia, NZ	UK
Command Centre	1x 220 - 240V AC 10A socket	1x 220 - 240V AC 13A sockets
Booster	1x 220 - 240V AC 10A socket	1x 220 - 240V AC 13A sockets
UV-C module	1x 220 - 240V AC 10A socket	1x 220 - 240V AC 13A sockets

Water supply pressure requirements

Component	Min - Max pressure, kPA (bar)	
	Australia	UK
HydroTap	170 (1.7) - 700 (7.0)	170 (1.7) - 500 (5.0)
Vented Mixer Tap	300 (3.0) - 700 (7.0)	200 (2.0) - 500 (5.0)
Booster	200 (2.0) - 700 (7.0)	200 (2.0) - 500 (5.0)
Limescale filter	200 (2.0) - 700 (7.0)	200 (2.0) - 500 (5.0)



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 (excluding UK) have an internal pressure limiting device to reduce the maximum mains regulated pressure (700kPa in Australia), protecting the system against pressure surges above 500kPa.

Water supply connection

1/2" BSP (G1/2).

SECTION 4: Technical data

UltraCare Command Centre	BCU40	BCU60	BCU100
Boiling water (cups per hour)*	160	160	240
Chilled water (glasses per hour)*	125	175	175
Power rating @ 220-240V, 50Hz (kW)	1.97	2.1	2.1 + 2.2**
Power rating @ 220V, 60Hz (kW)	1.84	2.0	2.0 + 2.2**
Dimensions (W x D x H) (mm)	395 x 464 x 333 With Duct and Vent Tray: 450 (500) [#] x 464 (520) [#] x 333 (373) [#]		
Dry weight (kg)***	30		
Ambient operating temperature	5 - 35 °C		
Boiling water temperature setpoint	98°C		
Chilled water temperature setpoint	5 - 9°C		
Chilled water coolant	R134a or R290		
<i>* 1 cup = 167 mL, 1 glass = 200mL</i> <i>** power rating of the Booster</i> <i>*** Add 5 kg when full of water</i> <i># including vent tray</i>			

UV-C Module***	Specification
Rated service flow	2.8 L/min
Maximum working pressure (applies to UV-C Module, not Command Centre)	830 kPa
Maximum operating temperature	50 °C
Operating voltage	12 V DC
***This Class B system or component conforms to NSF/ANSI 55 for the supplemental bactericidal treatment disinfected public drinking water or other drinking water that has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. The system is only designed to reduce normally occurring non-pathogenic nuisance microorganisms. Class B systems are not intended for treatment of contaminated water.	

UV-C module power supply specification

Model: XP Power ACM36US12

Specification	Rating
Power supply	100 - 240V AC 50/60Hz
Power supply current*	1A (0.5@230V)
Output voltage and current*	12.0V 3.0A DC

*Figures above show the capacity of the power supply under full load.

Less will be drawn when used with the UV-C module.

Booster specification

Specification	Rating
Power 230V 50/60Hz	2.20kW
Power 240V 50/60Hz	2.40kW
Flow rate	1.2 L/min

SECTION 5: Parts supplied & tools required

Parts supplied with the HydroTap	BCU40 (AU only)	BCU60	BCU100
Tap			
HydroTap tap		✓	
HydroTap pipes, tubes hoses and fittings		✓	
Separate Mains mixer Tap & fittings		Optional	
Command Centre			
UltraCare Command Centre		✓	
Mains electrical supply cable		✓	
Water supply inlet hose		✓	
Water supply inlet adaptor and strainer		✓	
Ventilation kit (incl. vent tray)		✓	
Water block kit		(UK only)	
Booster			
Booster & hoses		Optional	✓
Filters			
Water filter & instructions		✓	
Limescale filter kit		Optional	
Font			
Font kit		Optional	

Note: Mains water isolation valve is not supplied with the kit.

Contact Zip for the full range of consumables and accessories.

Tools

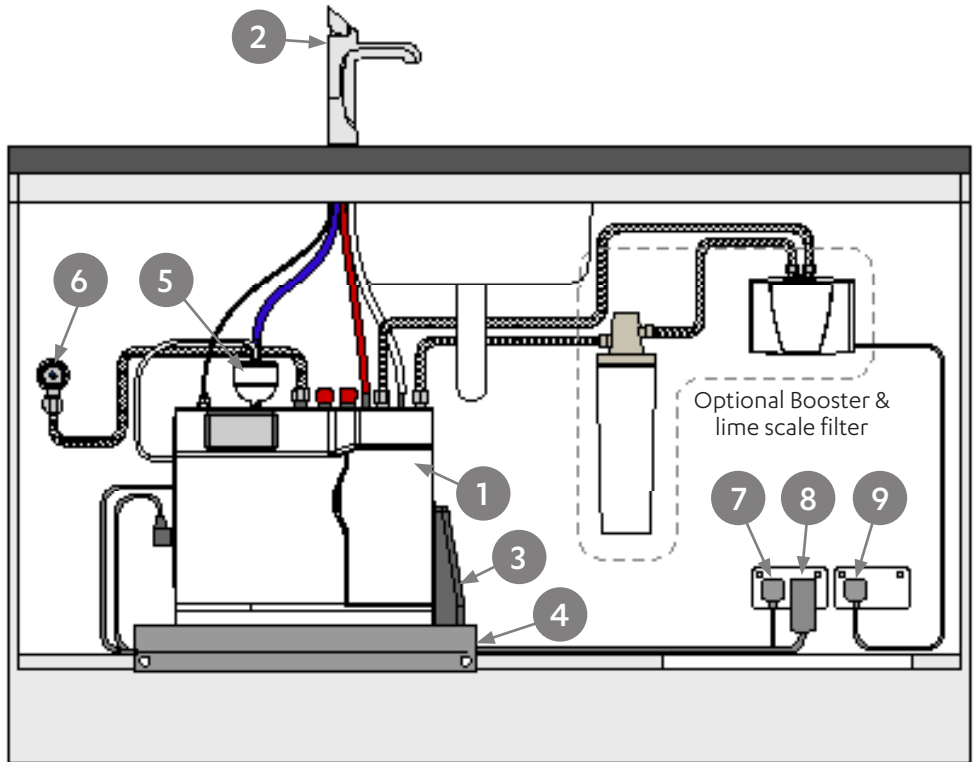
In addition to standard tools, the following special tools will be required for installation:

- 35mm diameter sheet metal hole punch for sink tops (not supplied).
- 35mm diameter hole saw for timber bench tops (not supplied).
- Nut runner tube spanner (supplied) for fixing tap assembly.
- Jigsaw and 12mm drill (not supplied) for installation of ventilation.
- Keyhole or wall board saw (not supplied) for installation of ventilation.

SECTION 6: General layout

Installation

Ensure there is adequate space in the installation area for all components, with access to water and power. The ambient mains water braided hose length is 750mm. Electrical power cable length is 1.8m.



- | | | | |
|---|----------------|---|---|
| 1 | Command Centre | 6 | Mains water supply (isolation valve not supplied) |
| 2 | HydroTap | 7 | Command Centre mains power cable |
| 3 | Exhaust duct | 8 | UV-C module power supply |
| 4 | Vent tray | 9 | Optional Booster mains power cable |
| 5 | UV-C module | | |

SECTION 7: Set up the ventilation



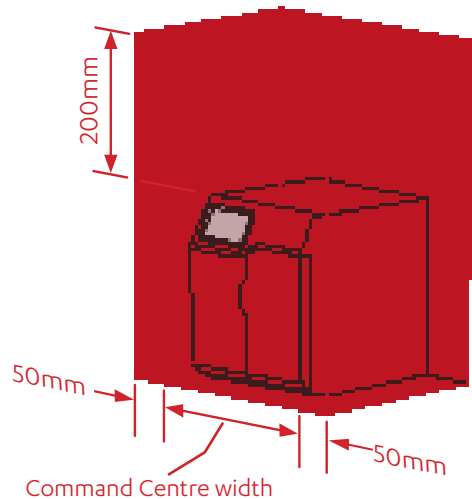
Use of tools can be hazardous. Assess the risks before you start.



Use instructions supplied with individual kit parts.



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



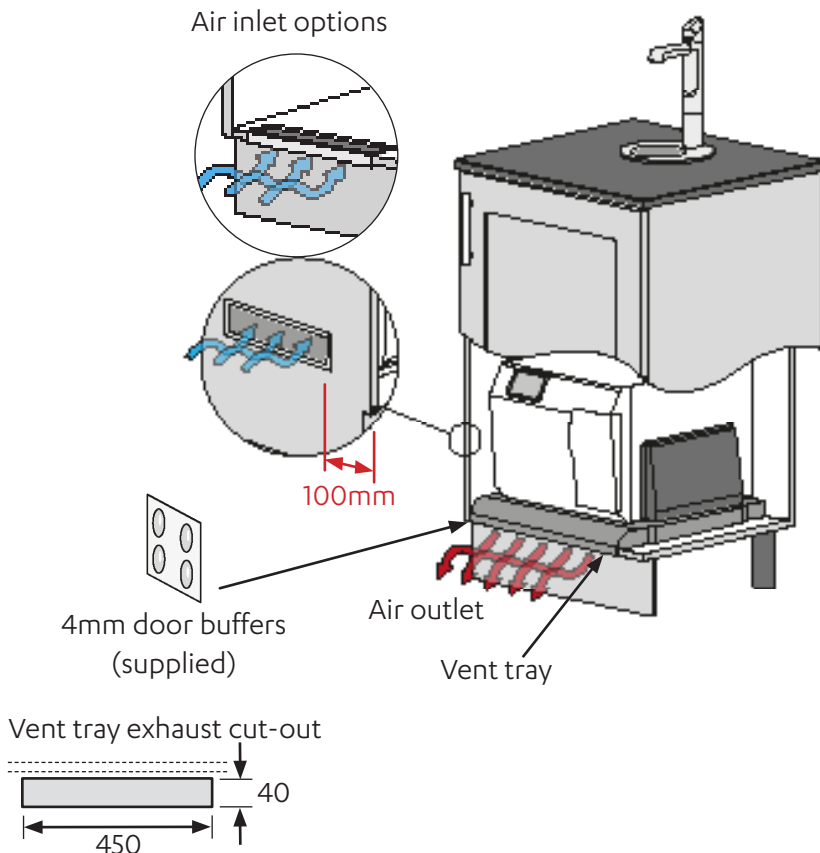
If cupboard temperature exceeds 35°C, additional ventilation is required. Contact your Zip service provider for options (including additional vents and fan kit).

SECTION 7: Set up the ventilation

- Refer to the instructions provided with the Vent Tray.
- 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 100mm inlet / outlet vent separation.



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



Vent tray dimensions WxDxH (mm): 500 x (515-555) x 40

Absolute min. vent tray depth 490mm (limit of travel, may affect airflow).

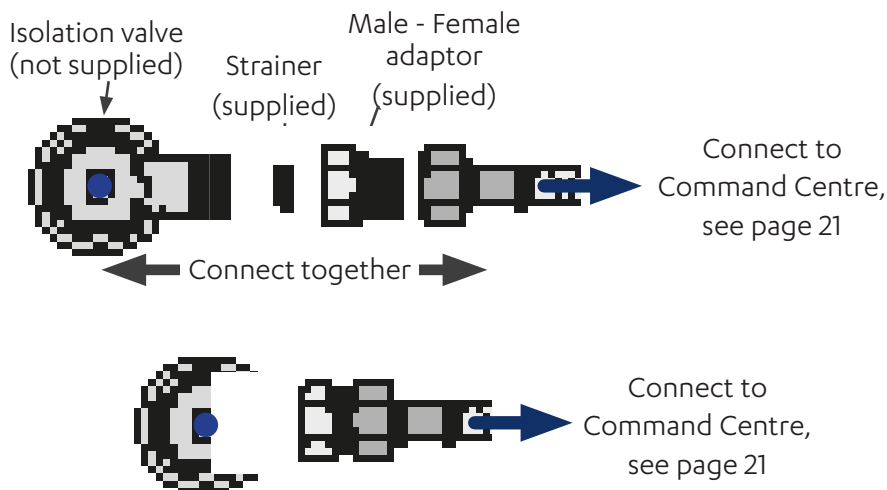
SECTION 8: Connect the water supply



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.

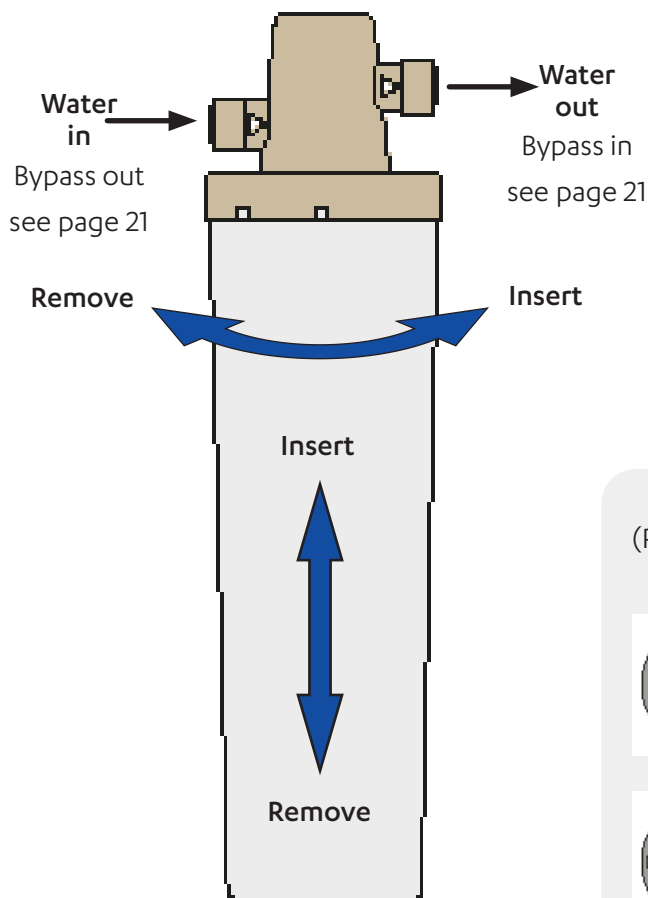


SECTION 9: Set the bypass & install the limescale filter

Available as optional accessory - UK only.

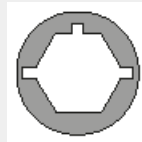
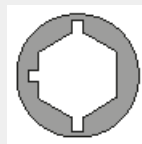


For filter head and scale filter installation use the guide supplied with the filter head and filter respectively.

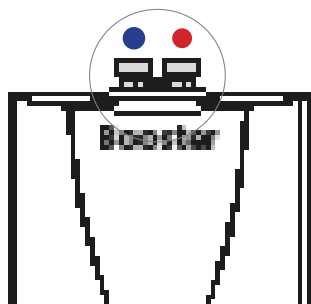


Bypass valve

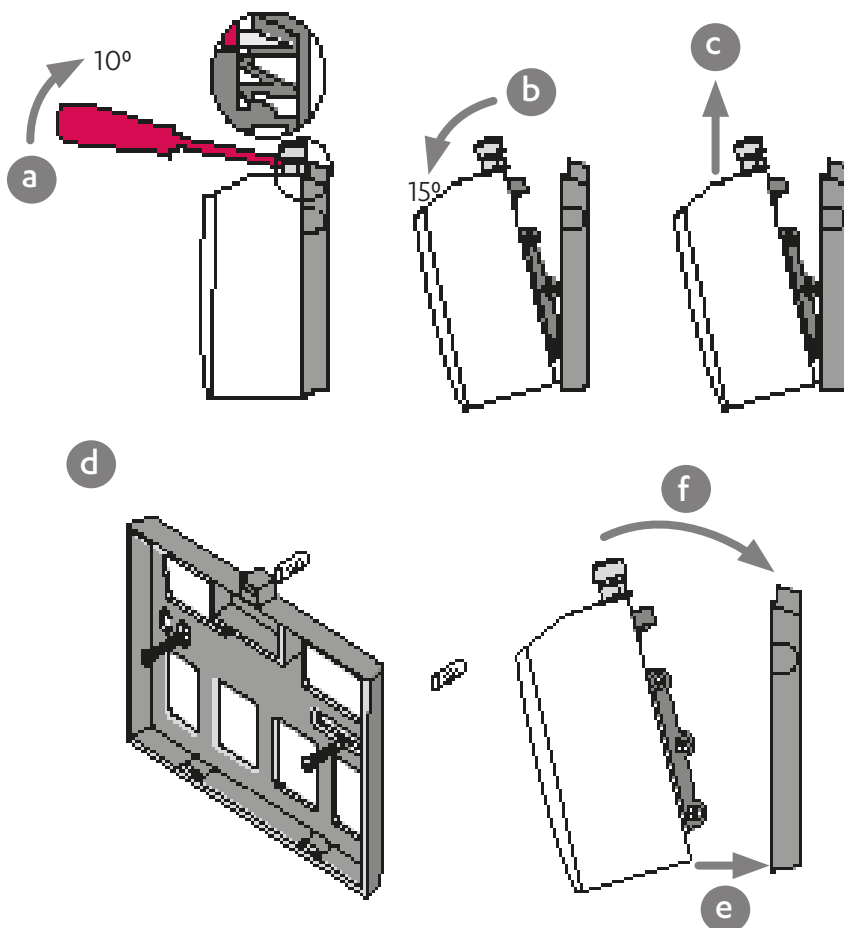
(Rear of the Command Centre)



SECTION 10: Fit the Booster

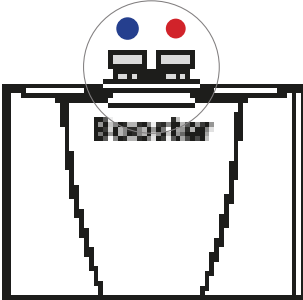


- Supplied with selected models, or available as an optional accessory.



Note Take care not to break the clips when removing or installing the Booster.

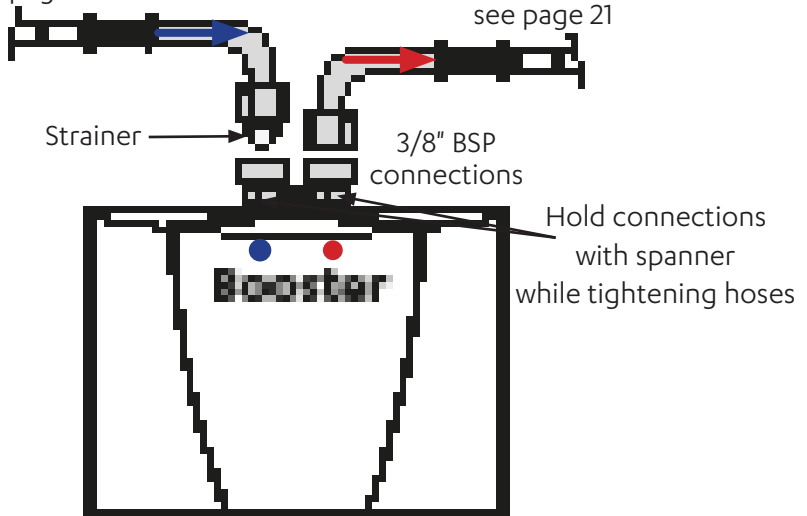
SECTION 11: Connect the Booster



Do not connect to electrical power until commissioning.
Do not over tighten hose connections.
Braided hoses supplied cannot be lengthened.

Cold water into Booster,
connect to Command Centre
BYPASS OUT
see page 21

Hot water out of Booster,
connect to Command Centre
BYPASS IN
see page 21



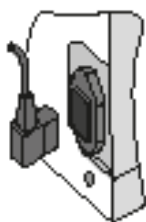
SECTION 12: Connect the Command Centre

Generic installation instructions



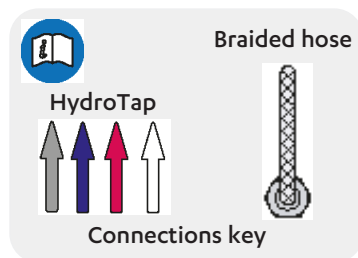
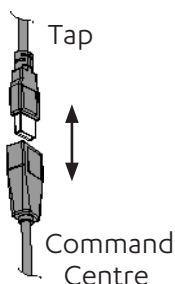
For HydroTap, mixer tap and any optional accessories, use instructions supplied with individual kit components.

Mains power cable



Do not connect to the mains socket until commissioning

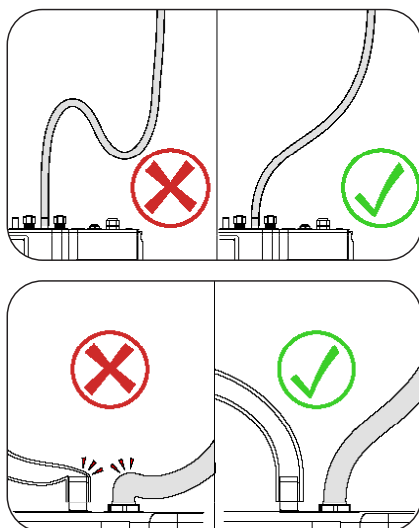
USB



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 15mm.
- Ensure there is a constant fall from the tap down to the command centre.
- 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 12: Connect the Command Centre

UltraCare BCU40 -100 models

Fit foam insulation
(supplied) to the
BLUE pipe

BLUE

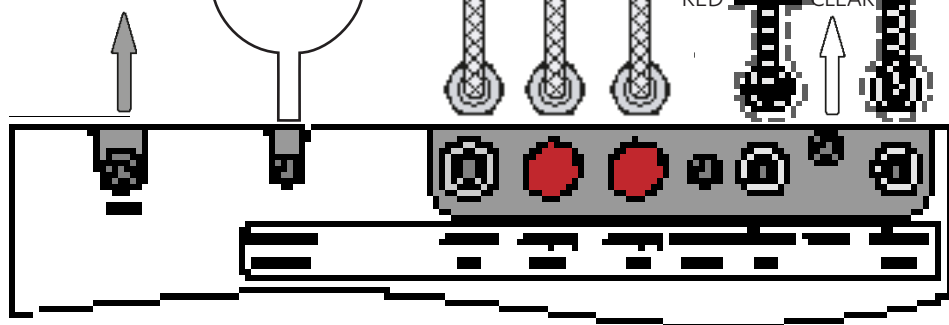
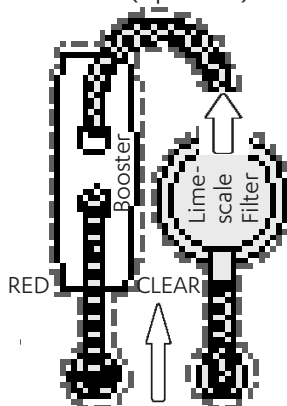
UV-C Module

Booster (selected models) and
limescale filter (optional)



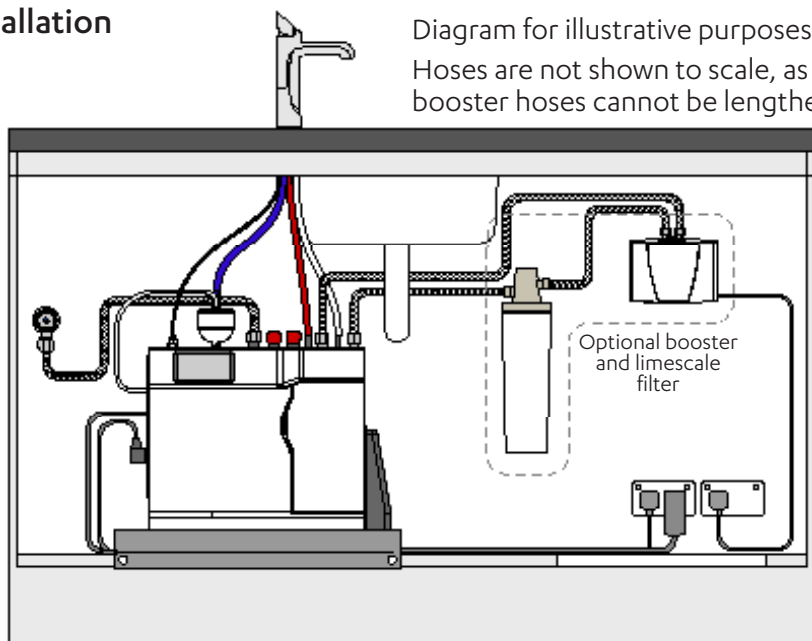
Mains
Water

Zip Vented
Mixer Tap
connections
(if supplied)



Installation

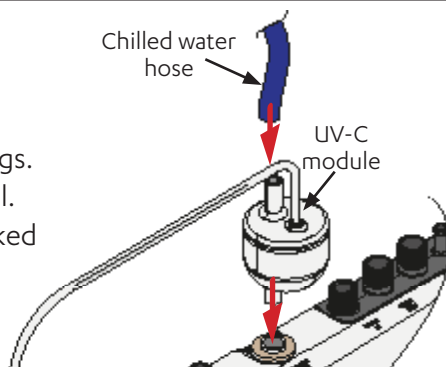
Diagram for illustrative purposes only.
Hoses are not shown to scale, as the
booster hoses cannot be lengthened.



SECTION 13: Connect the Command Centre

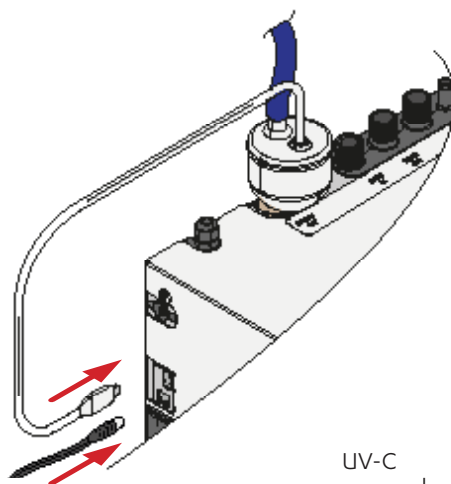
UV-C Module

- Connect chilled water hose to UV-C module.
Push hose at least 15mm over the fittings.
- Ensure that the hose has a constant fall.
- Insert UV-C module into the port marked CHILLED OUT.



Do not switch on the Command Centre electricity supply until commissioning the system

- Plug USB cable from UV-C module into the port at the side of the Command Centre.
- The USB cable can be inserted either direction (no polarity).
- Plug the 12V UV-C module power supply into the Command Centre.
- Insert all connectors square on & firmly in place.
- Do not apply off axis or lateral force to the connections.

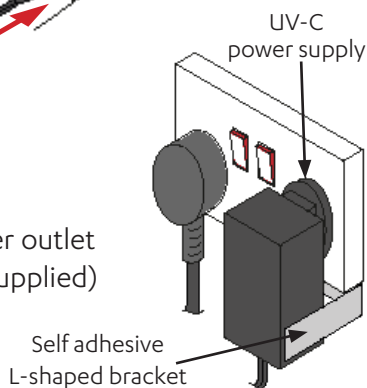


UV-C Power supply & bracket



Use only the power supply provided

- Connect the UV-C power supply to the power outlet
- Ensure the self adhesive L-shaped bracket (supplied) is fitted in position, this will protect the power supply from accidental disconnection.



The HydroTap Clean process

HydroTap Clean is a first to market cleaning process for HydroTap systems comprised of the HydroTap Clean solution, dosing adaptor and smart firmware. The HydroTap Clean process is automated and gently cleans the chilled and sparkling water paths during the commissioning of a new HydroTap Command Centre.

The HydroTap Clean solution is:

Safe, natural, certified organic, PH neutral, biodegradable solution produced by electrochemically activated water acting like a detergent.

HydroTap Clean is also non-corrosive to gently clean the chilled and sparkling internal water paths of your new HydroTap.

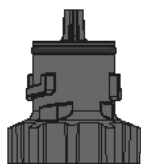
Parts supplied

Parts supplied with the HydroTap Clean kit	Qty
HydroTap Clean can adapter (1) (used in filter head)	1
HydroTap Clean can (2)	1
HydroTap Clean instructions	1

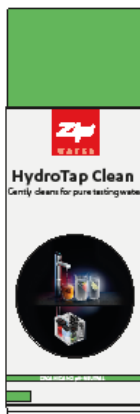
Parts identification



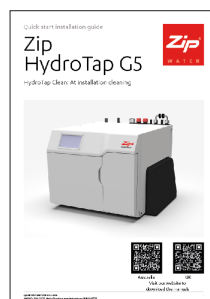
WARNING ! Do not connect the parts together before carefully reading/following instructions.



**HydroTap Clean
adapter (1)**



**HydroTap Clean
can (2)**

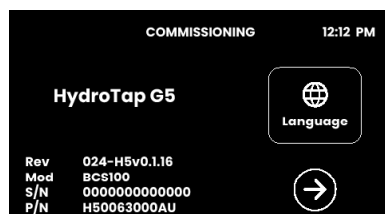


**HydroTap Clean
instructions**

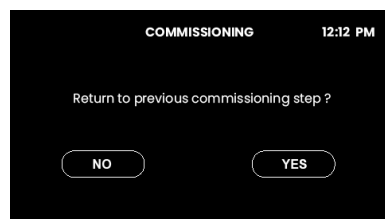
13. Commissioning the HydroTap using the HydroTap Clean can

13.1 Turn on the supplies & familiarise yourself with the system

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

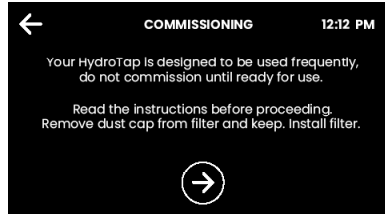
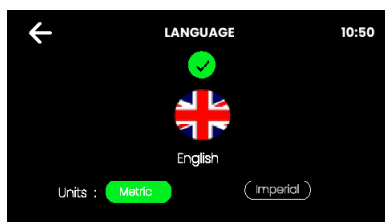


- Optional screen shown if the commissioning was previously started but not complete (Command Centre powered off during process). Otherwise screen will not be shown.



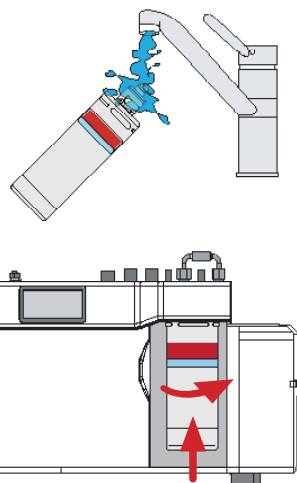
13.2 Select the language

- 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.
- Read the commissioning information, touch the forward arrow to go to the next screen.
- (Touch the back arrow to go back to previous menu).



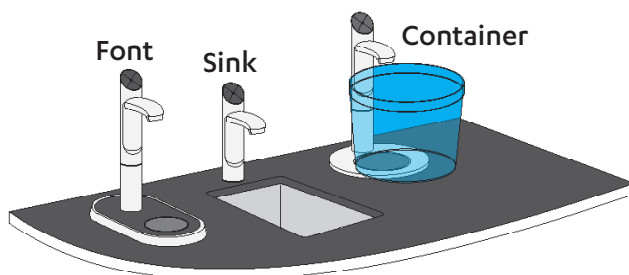
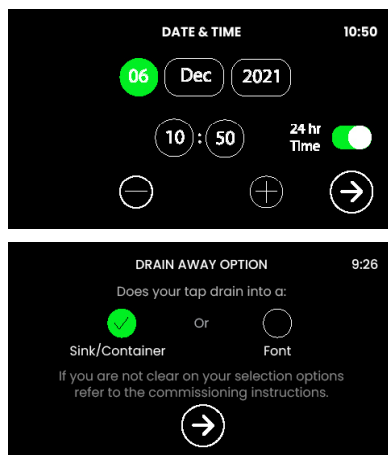
13.3 Install the filter cartridge

- Unpack filter cartridge.
- Remove dust cap and set aside in a clean area for use later.
- 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 Centre.
- Push the new cartridge up into the filter head.
- Turn the cartridge a quarter turn to the right until it comes to a complete stop and locks.



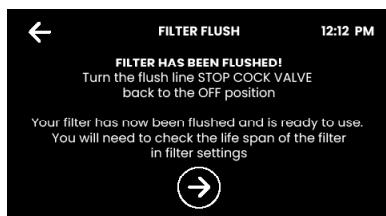
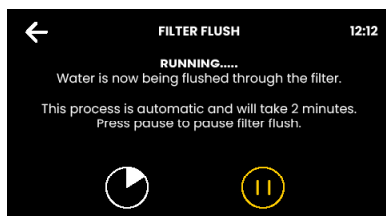
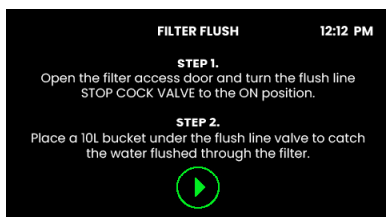
13.4 Set the date, time & drain away options

- Touch the date and time, use "-" or "+" to make adjustments. When ready, touch the arrow to continue.
- Select 'Sink / Container' or 'Font' depending on the model, see below.
- Select 'Font' if the HydroTap is mounted on a font.
- 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.

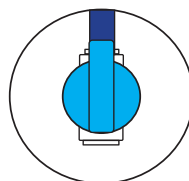
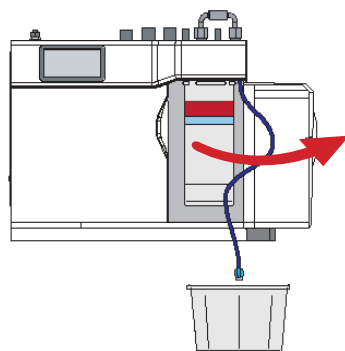


13.5 Filter flush

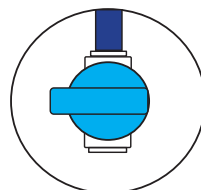
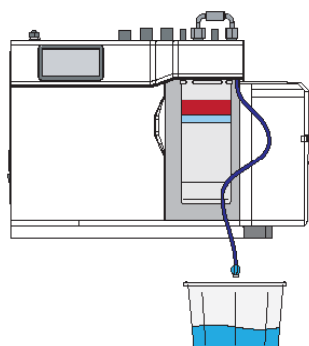
- Follow the steps on-screen to flush the filter.
- Open filter door & uncoil flush line.
- Direct flush line into bucket.
- Place a cloth or towel under the filter cartridge to catch any water that may spill.
- Open the stop cock valve.
- Start filter flush.



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



Stop cock valve open

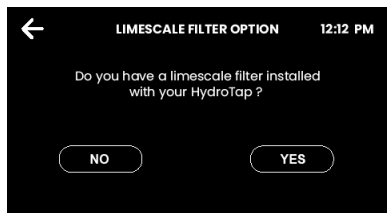


Stop cock valve closed

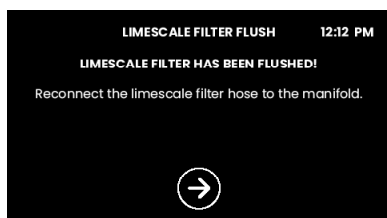
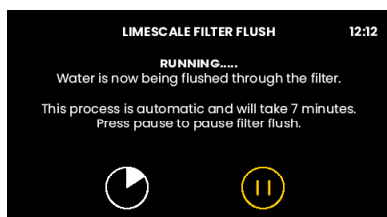
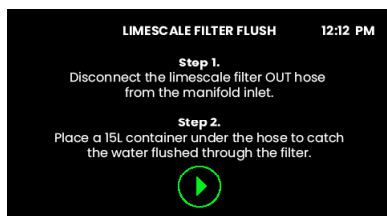
SECTION 13: Commissioning

13.5.1 Limescale filter flush (UK only, If optional limescale filter is installed)

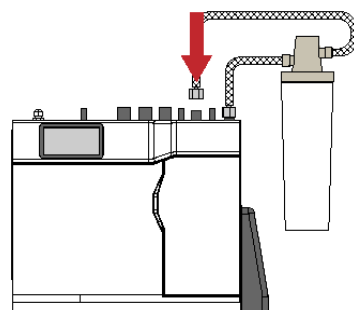
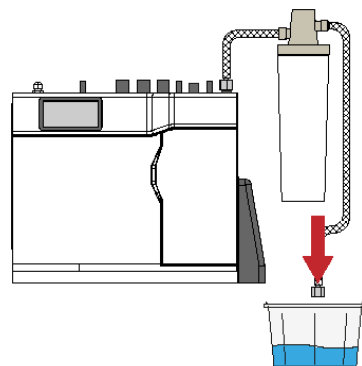
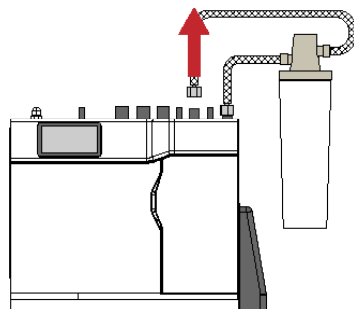
- Follow the steps on-screen.
- (Selecting NO advances the screen to the next process).



- Disconnect the limescale filter OUT hose from the Command Centre manifold.
- Direct it into a 15 litre container.
- Touch green play icon to start filter flush.



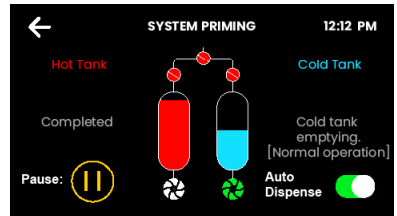
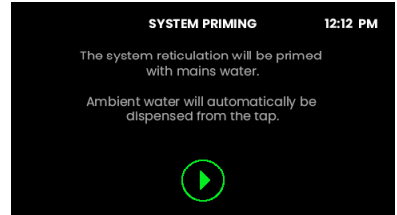
- Once the filter flush is finished, reconnect the limescale filter OUT hose to the Command Centre manifold.
- Touch the arrow to go to the next screen.



SECTION 13: Commissioning

13.6 System priming

- Read the on screen information.
- Touch the run arrow to go to the next screen.
- Monitor the on screen information.



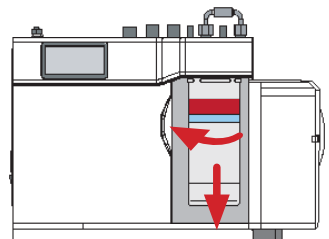
- **Note** if 'Font' has been selected on the drain away option (see section 13.4) and auto dispense is disabled on entry into this screen; the screen prompts the user to dispense using the tap during the process.

13.7 Cleaning preparation

- Read the on screen information.



- Place a cloth under the filter.
- Remove the filter, refit the dust cap, and set aside in a clean environment.



SECTION 13: Commissioning

HYDROTAP CLEAN PREPARATION 12:12 PM

Step 3.

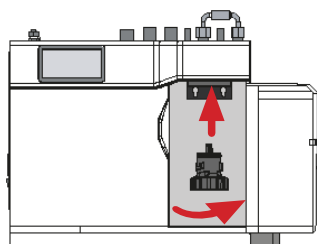
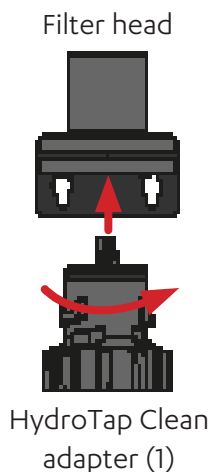
Install HydroTap Clean adapter (1) into filter head.

Step 4.

Insert HydroTap Clean can (2) into adapter (1).



- Check the adapter seal is present and correctly positioned in the adapter.
- Install the HydroTap Clean adapter (1) into the filter head.
- Turn the adapter a quarter turn to the right until it comes to a stop and locks.



- Remove the lid from the HydroTap Clean can (2).



HydroTap Clean can (2)

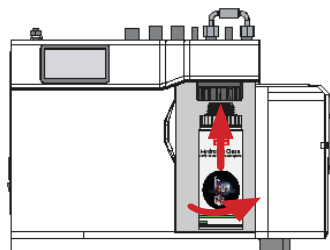
SECTION 13: Commissioning

Filter head and HydroTap
Clean adapter (1)

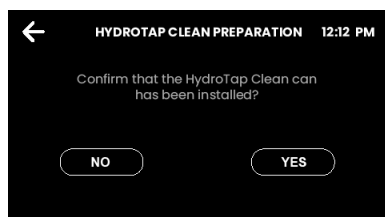
- Screw the HydroTap Clean can (2) into the adapter (already installed into the filter head).



HydroTap Clean can (2)



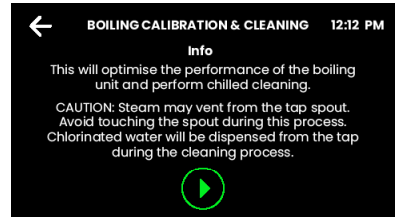
- Confirm installation of the HydroTap Clean can by selecting YES on the screen.



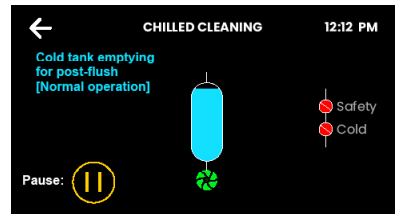
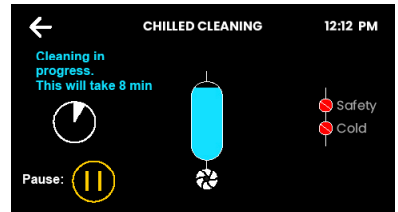
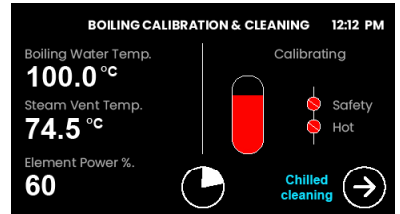
SECTION 13: Commissioning

13.8 Boiling calibration and cleaning

- Read the on screen information.
- BC systems offer combined boiling calibration and cleaning.
- Touch the green arrow to run.

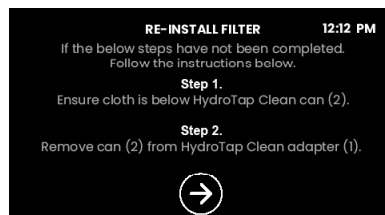
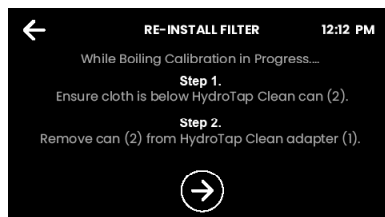


- Boiling calibration and cleaning process begins.
- Monitor the on screen information.
- Touch Chilled cleaning forward arrow to view screen of cleaning process.
- **Note** If 'Chilled cleaning' text is flashing there is a required action on that screen to perform (empty cold tank).
- Cleaning process begins.
- Monitor the on screen information.
- **Note** This is automatic unless 'Font' was selected in the drain away option selection screen (see section 13.4). In this case a manual dispense action may be requested.

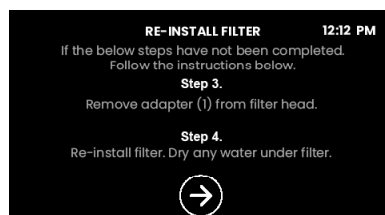
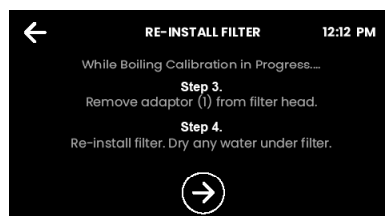
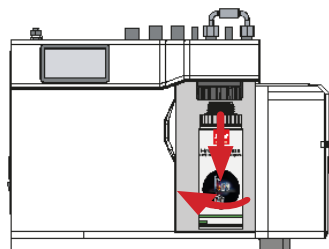


SECTION 13: Commissioning

- Read the on screen information and instructions.
- **Note** When the cleaning process completes there is an opportunity to re-install the filter while the boiling calibration is finishing.
- This screen is shown after completion of the boiling calibration and or cleaning processes.

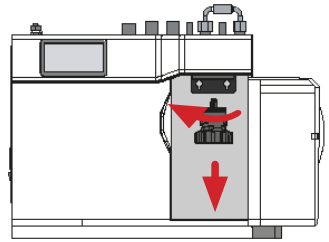


- Unscrew the HydroTap Clean can (2).
- Ensure to hold the adapter in place while unscrewing the can.

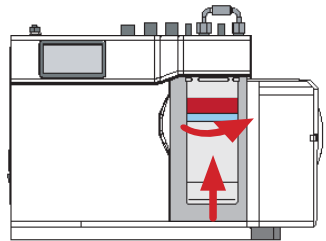


SECTION 13: Commissioning

- Remove the HydroTap Clean adapter (1) from filter head.



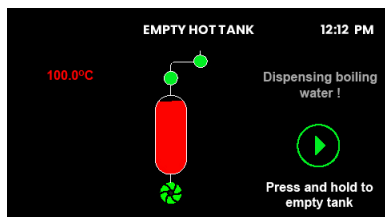
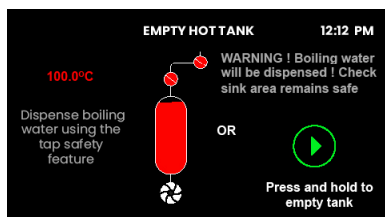
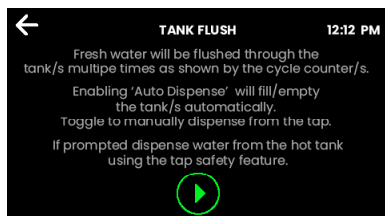
- Remove the dust cap and re-install the filter.
- Touch forward arrow on screen to continue.



SECTION 13: Commissioning

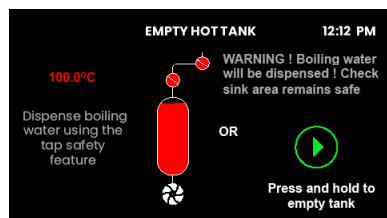
13.9 Tank flush

- Read the on screen information and instructions.
- Touch the green arrow to run.
- Empty the hot tank first (boiling models).
- Select NO if it is not safe to continue.
- Select YES to continue safely.
- If NO is selected (indicating that it is not safe to continue) the screen will prompt the user to clear the sink area.
- Once it is safe to continue select YES to empty the hot tank.
- There are two ways to empty the hot tank:
- Dispense boiling water from the tap using the tap safety feature.
- OR
- Touch and **HOLD** the green run arrow icon to dispense directly from the touch screen display.
- If choosing to dispense directly from the touch screen display, 'dispensing boiling water' text flashes on the screen while holding the button.
- After the boiling tank is emptied the system progresses to the tank flush screen.
- **Note** For all models, the on screen cycle counter displays the number of remaining cycles in the tank flush process.
- Monitor the on screen information.

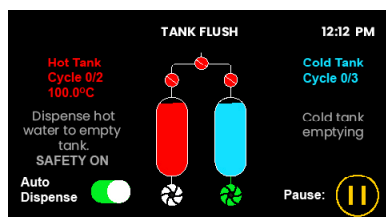


SECTION 13: Commissioning

- **Note** For all boiling models, if after filling the hot tank during the tank flush process, the hot water temperature is still above 50°C the tank will need to be emptied again.

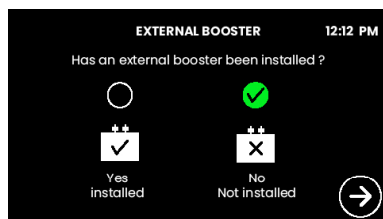


- Monitor the on screen information.
- The hot tank will cycle twice.
- The cold tank will cycle three times.



13.10 Select the booster

- Read the on screen instructions.
- Select the appropriate option.
- BCU100 models select Booster installed.
- All other models, Booster not installed.

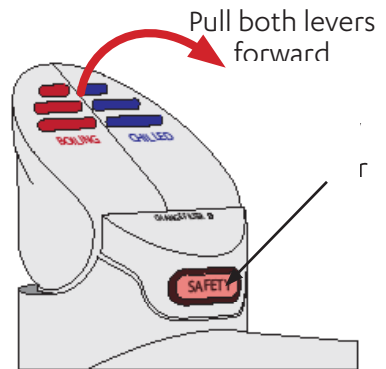


13.11 Safety sensor calibration (Classic boiling models only)

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.



Troubleshooting

The HydroTap tap lights will flash to indicate when service is required. Refer to the LCD screen in the Command Centre.

Call your local Zip service provider for assistance, service, spare parts or enquiries.

System fault message	Possible cause	Recommended action
Power board fault	Electrical disruption	Check power supply and all fuses
Interface fault	Internal fault	Call Zip Service
Level board fault	Internal fault	Call Zip Service
Condenser screen blocked	Blocked Air filter	Remove blockage, clean filter - check user guide
Water leak, Isolate mains	Water leak	Turn off mains water supply / Call for service
Compressor over-run	Compressor too Hot	Check ventilation
Water supply failed	No water	Check water supply is turned ON
Hot sensor Open	Internal fault	Call Zip Service
Hot sensor Closed	Internal fault	Call Zip Service
Cold sensor Open	Internal fault	Call Zip Service
Cold sensor Closed	Internal fault	Call Zip Service
Flood sensor Open	Internal fault	Call Zip Service
Condenser sensor Closed	Internal fault	Check ventilation / Call Zip Service
Condenser sensor Open	Internal fault	Check ventilation / Call Zip service
Heater fuse / driver fault	Internal fault	Call Zip Service
Heater driver fault	No hot water	Call Zip Service
Compressor driver fault	No chilled water	Call Zip Service
Hot sensor degraded	Internal fault	Call Zip Service
Condenser overtemp.	Blocked air filter	Remove blockage, clean filter - check user guide
A DC Pump is faulty	Internal fault	Call Zip Service
Steam is too cool	Internal fault	Call Zip Service
Steam sensor Open	Internal fault	Call Zip Service
Steam sensor Closed	Internal fault	Call Zip Service
Over Steamed	Internal fault	Call Zip Service
Hot tank overfilled	Internal fault	Call Zip Service
Comp Fuse/Driver Fault	Internal fault	Call Zip Service
Hot tank under filled	Low water pressure	Check water supply
Boil dry protection	Safety activated	Turn OFF / On power to reset
Flash Mem corrupted	Internal fault	Call Zip Service
Flow Sensor Fault	Internal fault	Call Zip Service

Troubleshooting

The UltraCare UV-C Module may cause the following fault codes.

System fault message	Possible cause	Recommended action	Fault stops showing when:
UV Not Present	<ul style="list-style-type: none"> a. UV-C Module USB-C cable is not connected correctly to the UV PCB b. UV-C Module cable is faulty c. UV IO PCB is faulty 	Check that the UV-C Module USB cable is correctly plugged into the HydroTap	UV-C Module is connected properly (power does not have to be on)
UV Over Temp Internal temperature is greater than 55°C	<ul style="list-style-type: none"> a. There is a kink in the hose preventing cold water being dispensed b. Cold Pump is not dispensing water c. UV-C Module is faulty d. UV PCB is faulty 	Verify that water is flowing through the UV-C Module when attempting to dispense	UV-C Module cools down and reports that its internal temperature has returned to 40°C or lower
UV Under Current Tried to dispense cold water and current of UV-C Module not at minimum threshold.	<ul style="list-style-type: none"> a. The 12V external power supply is not connected to the mains power outlet and/or the G5 HydroTap b. The 12V external power supply is faulty c. UV-C Module is faulty d. UV IO PCB is faulty 	Check power supply is correctly plugged in and turned on. Turn the HydroTap off and then on.	Power turned off, then on.
UV Over Current Tried to dispense cold water and current of UV filter greater than maximum threshold.	<ul style="list-style-type: none"> a. UV-C Module is faulty b. UV PCB is faulty 	Turn power off, then on.	Power turned off, then on.
UV Comms Error No communication to the UV IO PCB.	<ul style="list-style-type: none"> a. UV PCB is faulty b. Ribbon cable connecting the UV PCB and the LCD PCB is faulty. 	N/A	Communication restored.

Operation & maintenance

Please refer to the User Guide for all operational and maintenance features of the HydroTap. The User Guide is located in the HydroTap Command Centre filter door.

Zip offers a fully-inclusive HydroCare Service Plan to take care of all routine maintenance, including filter replacements, sanitisation, electrical safety inspections as well as general maintenance of your HydroTap. For more information, visit our websites:

(Australia) [www.zipwater.com /hydrocare](http://www.zipwater.com/hydrocare)

(UK) specify.zipwater.co.uk

The Zip filter should be replaced as recommended on the filter label, or earlier if you notice a persistent reduction in water flow from the tap or an increase in chlorine, taste or odour in the water. Not changing the filter cartridges when required may affect the water quality.

For safe operation after periods of non-use longer than 48hours, flush the HydroTap for at least 60 seconds.

Cleaning



- Wipe surfaces with a damp cloth or antibacterial alcohol wipes, then wipe dry with a clean, dry microfibre cloth or paper towel.
- Food-grade disinfection wipes may be used to clean around and within the tap spout.



IMPORTANT

- Do not use strong, corrosive, or abrasive cleaning materials.
- Do not use air-drying disinfectant sprays.
- Failure to remove the cleaning liquid may damage the finish of the tap.

Touch-Free Wave Tap

- Do not use abrasives to clean the sensor lenses at the sides, top and rear of the tap.
- This could cause permanent malfunction and void warranty.

Zip HydroTap UltraCare UV-C Module

809283 (MicroPurity)

Is tested and certified by WQA to NSF/ANSI 55 for Class B disinfection. When the UV-C Module is used with a Zip HydroTap System, flow rate must be at maximum of 2.8 L/min or less to be valid.

Manufacturer

Zip Heaters (Aust) Pty. Ltd
67 Allingham Street, Condell Park NSW 2200
Australia. Tel: +61 2 97 96 3100



Performance data

Testing Conditions and Results:

Flow Rate: 2.8 L/min (0.74 gpm)
Max. Pressure: 830 kPa (60 psi)
Capacity: 24,000 litre / 24 months

Operating Conditions:

Electrical characteristic: 12 VDC, 1.6 A
Max. Operating Temperature: 50°C

Replacement UV-C module:

809283 (Spare part number: 96863)

Class B system:

This system or component conforms to NSF/ANSI 55 for the supplemental bactericidal treatment of disinfected public drinking water or other drinking water that has been tested and deemed acceptable for human consumption by the state or local health agency having jurisdiction. The system is only designed to reduce normally occurring non-pathogenic, nuisance microorganisms. Class B systems are not intended for the disinfection of contaminated water. While testing was performed under standard laboratory conditions, actual performance may vary.

General UV-C module installation instructions

See pages 20-22.

End of life disposal

Waste electrical and electronic equipment

- The symbol above means that according to United Kingdom and European Union member countries laws and regulations, your product and / or its battery shall be disposed of separately from household waste.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/ or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.



Refrigerant gas

- This product contains no CFCs or HFCs, which contribute to global warming.
- The refrigerating system is filled with HC R290 – Propane: a natural gas that does not contribute to global warming and that, thanks to its specific characteristics, allows for substantial energy savings to be made.

Notes

Refer to User Guide for operation and maintenance.



Zip Water

ABN 46 000 578 727

67 - 77 Allingham Street, Condell Park NSW 2200

Postal: Locked Bag 80, Bankstown 1885

Australia

Tel (+612) 9796 3100

Free call 1800 947 827 (1800 ZIP TAP)

www.zipwater.com



AU02691



Zip Water UK

Trafalgar House, Rash's Green,

Dereham, Norfolk, NR19 1JG

0345 6 005 005

sales@zipindustries.co.uk

specify.zipwater.co.uk



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.

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