

Zip HydroTap[®]

Miniboil Boiling Only

Boiling and Ambient drinking water for kitchens and the home.



Model 39137 - Elite
Order Code - 1000AU0M0N1R



This page intentionally left blank

Check List

Before Installation:

- A. Read the instructions
- B. Note: Not all fittings are supplied with the appliance kit. Isolation valves are not supplied
- C. The pressure limiting valve must be fitted as part of the kit.
- D. Check the water quality to determine if extra filtration will be required.
- E. Check the appliance rating plate and ensure correct power is available for the appliance.
- F. Check the underbench cupboard supporting the appliance is adequate for the total weight of the appliance, when full of water.

Before Commissioning:

- 1. Check the unit has been secured correctly.
- 2. Flush the supply line before connecting.
- 3. Check all plumbing fittings have been tightened.
- 4. Ensure the outlet and vent pipes are positioned to drain correctly.
- 5. For undersink units ensure there is adequate ventilation.
- 6. Check all tubes from the undersink unit to the tap, have a constant rise and there are no 'S' traps or kinks in the hoses.
- 7. Check all electrical connections are correct and there are no loose wires.

Commission:

- 8. Turn on the water and check for leaks.
- 9. Turn on the power
- 10. Flush the filter for 3 - 5 minutes.
- 11. Allow sufficient time for the unit to heat up, before using

Contents

Contents	5
Read These Warnings First	6
Models covered by these instructions	6
Installation Requirements	6
Special tools required	7
Installation procedure	7
Step A - Installing the tap	7
Step B - Installing the undersink unit	8
See special note page 8, ventilation buffers.	
Step C - Connecting the tap,	8
Step D - Connecting the Water Supply	9
Step E - Testing and commissioning	9
Operating the Tap	11
Font Installation procedure	12
Trouble Shooting	13
Cleaning	13
Warranty Information	14
Note	15

NOTE:

All plumbing must comply with AS3500.4.1 & AS3500.4.2

All electrical must comply with AS3300 wiring rules

All refrigeration must comply with AS3350.2.24

Read These Warnings First



The power point must be located within reach of its cable. The appliance must be positioned so that the plug is accessible.



Zip Hydrotap undersink assembly.
The appliance must be placed on a horizontal surface in an upright position, as shown above.

Safety

This appliance is not intended for use by persons (Including Children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure they do not play with the appliance

Qualifications

If any power cord or plug is damaged it must be repaired only by a qualified technician. To avoid hazards, all installation procedures must be carried out by a suitably qualified trades person. The power cord and general power outlet must be in a safe visible position for connection.

Venting

Sometimes steam and / or boiling water may discharge through a vent outlet at the mouth of the tap. If the tap is not installed using the Font pedestal, ensure the tap body is located so the tap outlet safely drains into the sink bowl area.

Lifting

Take care when lifting the Zip HydroTap undersink unit. Some units may exceed safe lifting limits. Do not lift without assistance. The weights of the units are given in the table under the heading "Installation Requirements".

Airflow

The ambient temperatures this unit should operate within are 5°C - 35°C. Proper air circulation must be provided. The system will operate satisfactorily only if the recommended air gaps are provided, these are 65mm min rear clearance and 50mm side clearance. Included in the installation pack are adhesive backed silicon buffers. If air vents are not installed in the cupboards housing the HydroTap, the buffers must be placed on the inside edge of the cupboard door to create a slight gap ensuring a minimum airflow. Failure to do this may cause the HydroTap to overheat and operate inefficiently.

Note:

Always ensure the hoses are shortened so that any excess is removed and their route is the most direct line between the tap assembly and the HydroTap unit.

Do not allow the hoses to sag or droop so water is trapped within the hoses.

Positioning of the tap assembly must be within the following parameters:

The height between the base of the Hydrotap unit and the base of the Tap assembly cannot be greater than 900mm.

Read These Warnings continued

Frost Protection

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

Installation Environment Considerations

This unit is intended for indoor use only and should never be installed outdoors or exposed to the elements of nature. This unit must not be positioned in an area that may be cleaned by a water jet. This unit must not be cleaned by a water jet.

Models Covered by These Instructions

MODEL	Part Number	Capacity	Power Rating
Elite	39137	1.8 Litres	2000 Watts

Installation Requirements

Before installing ensure that the following have been provided at the installation site:

- Sufficient space in the cupboard to install the undersink unit in accordance with these Installation Instructions. A table of dimensions is given below.

HEIGHT (mm)	DEPTH (mm)	Width (mm)	Weight Dry (Kg)	Weight full (Kg)
338	272	212	6.5	8.3

NOTE: Add 65mm to the side of the undersink unit to allow for Air circulation



- A water supply connection with isolating valve inside the cupboard within 750 mm of the unit and positioned so that the connection point and the stop cock will not be obstructed when the undersink unit is installed.
- Power supply 220-240 Volt AC, for connection to the heater via a 10 amp G.P.O.
- This switch must provide all-pole disconnection and a contact separation of at least 3mm installed in accordance with wiring rules.
- Cold water supply with a minimum working pressure of 70 kPa (140 kPa recommended) and a maximum working pressure of 500 kPa connected via an isolation valve.

(A 500kPa pressure limiting valve is supplied with the unit kit and must be installed)

Important: Do not proceed with the installation if these requirements are not met.

Special Tools Required

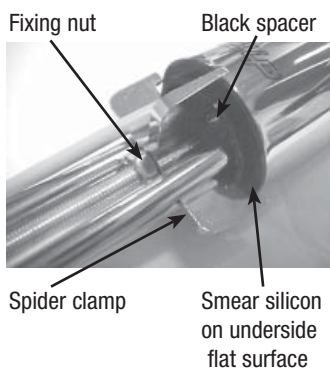
In addition to normal tools, the following will be required:

- 35mm diameter sheet metal hole punch for sink tops. (not supplied)
- 35mm diameter hole saw for timber bench tops. (not supplied)
- Nut runner tube spanner (supplied) for fixing tap assembly.

When installing a Font unit:

- 108mm diameter sheet metal or hole saw to suit surface being cut.

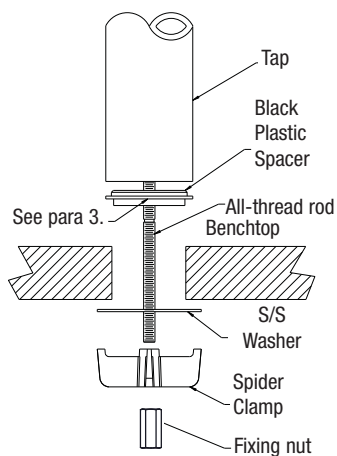
Installation Procedure



Note: A stainless steel washer is supplied to go in between the Spider Clamp and the underside of the sink top.

Step A - Installing the tap

1. Make sure that the tap location will allow the nozzle to drain into the sink.
2. Cut a 35mm hole in the bench / sink top.
3. Install the black plastic spacer to the base of the tap and ensure it remains in place as this is the moisture seal against the bench / sink top. **A light smearing of silicon sealant on the underside of the spacer will ensure a watertight fit.**
4. Pass the hoses through the 35mm hole and carefully locate the Head Assembly and black spacer on the bench / sink area.
5. From the underside of the bench / sink area re-locate the S/S washer and "Spider Clamp" by feeding each of the tubes and electrical cable evenly in between the legs of the "Spider Clamp". Slide it up to meet the "All Thread", and pass the "All Thread" through the center of the "Spider Clamp".
6. Hold the "All Thread" steady and re-fit the 6mm nut to the "All Thread" using the tube spanner supplied in the kit. Check the Tap Head position before securing it tightly against the bench / sink top.



NOTE 1: The tap assembly must not be positioned more than 900mm above the HydroTap unit.

Failure to do this may result in poor water delivery.

NOTE 2: Under no circumstances should the Tap be twisted after the installation is complete.

Step B - Installing the undersink unit

This instruction is critical :

Adjust both cupboard door hinges and attach the supplied rubber door buffers to the doors to create a 4 mm air-gap between the doors and the cupboard. This is the minimum ventilation requirement for low usage installations.

Proper air circulation is important for efficient running of the HydroTap models. Therefore cupboard ventilation for HydroTap models is recommended.

SPECIAL NOTE: The HydroTap undersink units are heavy, take note of the weights listed in the table on page 6. If you think you cannot lift the unit safely, get help and avoid possible injury.

Position the Zip HydroTap undersink unit as close as possible to directly beneath the Zip HydroTap tap head.

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

Allow at least a 65 mm air-gap to the LHS for air circulation

Note:

Included in the installation pack are adhesive backed silicon buffers. If air vents are not installed in the cupboards housing the HydroTap, the buffers must be placed on the inside edge of the cupboard door to create a slight gap ensuring a minimum airflow. Failure to do this may cause the HydroTap to overheat and operate inefficiently.



Connection as viewed from the top

Step C - Connecting the tap

Measure and trim the RED tube and connect it to the hot water outlet located on the top of the undersink unit.

Measure and trim the clear tube and connect it to the vent outlet located on the top of the undersink unit.

NOTE: All tubes must have a continuous fall back to the undersink unit.

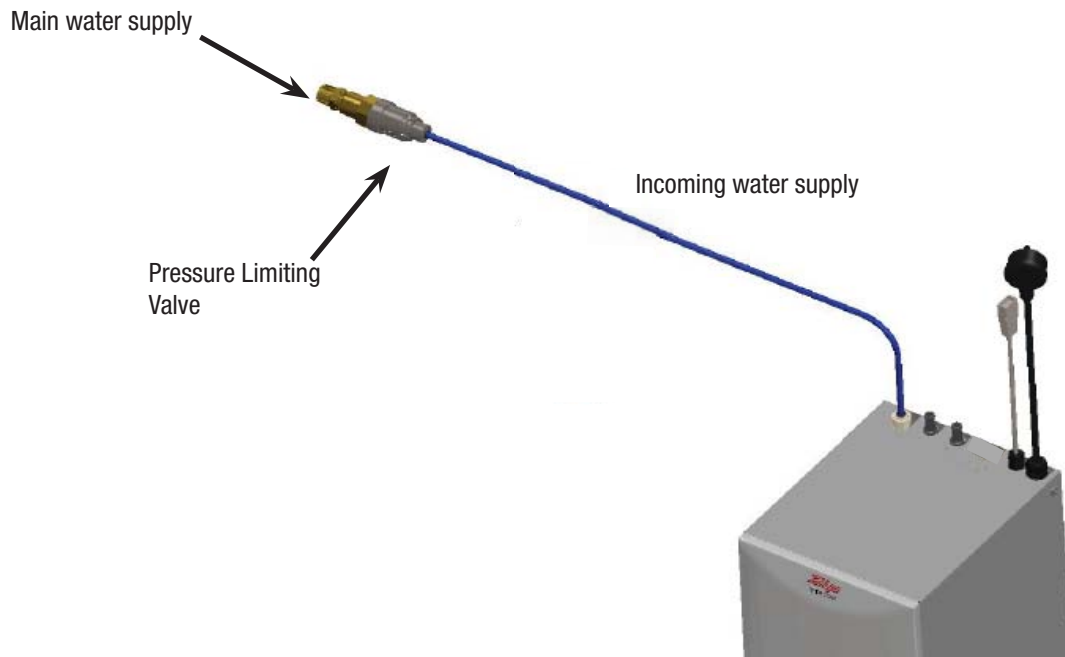
Connect the tap USB connector to the USB port on the undersink unit. Orient the USB plug carefully and connect, do not force the plug. Once connected, fix the cable to the wall, ensure it is away from any possible water splashes and is off the floor.

Note: When trimming any silicon tubes trim to minimum length, do not loop any excess or allow kinking of the tubes. When connecting, slide the tube over the pipe at least 15mm.



Step D - Connecting the water supply

To prevent sediment from entering the Zip HydroTap at connection, flush water through the supply line thoroughly before connection to the Zip HydroTap. Connect the water supply to the top of the undersink unit using the JG tube supplied, as per image below. Turn on water and check for leaks. If no leaks are evident turn the power on.



NOTE :

New hose sets supplied with the unit should be used. Do not use old hose sets.

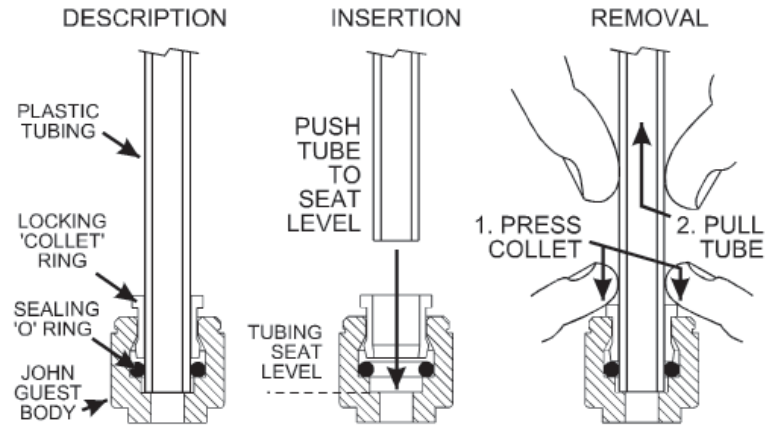
Step E - Testing and commissioning

Boiling

The unit is now running in normal operating mode. The Red LED will flash until usable temperature is reached.

Before using the HydroTap wait 5 minutes after this point to allow adequate fill time. The unit is now ready for use. Test water delivery from the tap and check for appropriate temperature. Use cable clips to tidy and secure wiring.

John Guest (JG) fittings - Assembly and Removal



Tap top controls:

The Miniboil uses touch switches to dispense Boiling water. There are no buttons to press and no levers to operate. This design allows for easier cleaning and operation.

- To dispense boiling water touch the Red Markers + Safety Lock simultaneously.
- Note that as this model does not dispense ambient water, therefore the blue marker activation will not operate.

Safety lock:

The safety lock will not allow the dispensing of Boiling water unless the RED markers for Boiling water and the safety lock are touched at the same time.

This function cannot be turned off for your safety.



Operating the Tap

Red Boiling Water Light

- ON all the time:** This indicates boiling water is ready to be dispensed.
Flashing Fast: This indicates the boiling water is below usable temperature and the Sleep Mode is OFF.
Flashing Slowly: This indicates Sleep Mode is active.

To Reset Sleep Mode

- Set Sleep Mode ON:** Touch the COLD markers and SAFETY lock simultaneously for at least 5 seconds, until both the RED and WHITE lights flash together, for a few flashes. Sleep mode maintains the water temperature at 64°C and will only become active when the system has not been used for 2 hours. Operation of the tap will wake the system from sleep and boiling water will be available when the RED light is ON all the time. (This may take a few minutes)
- Set Sleep Mode OFF:** Touch the COLD markers and SAFETY lock simultaneously for at least 5 seconds, until both the RED and WHITE lights flash alternately, for a few flashes.

White Filter Light

- Flashing:** This indicates the filter needs to be replaced. The WHITE light will start to flash when the counters have recorded 12 months of use or after dispensing 4000 Litres, whichever occurs first. (not applicable if no filter used)

- Set filter light OFF:** Reset the system by touching continuously, the COLD and HOT markers. The flashing WHITE light will turn OFF after 10 seconds and the counters will be set to zero

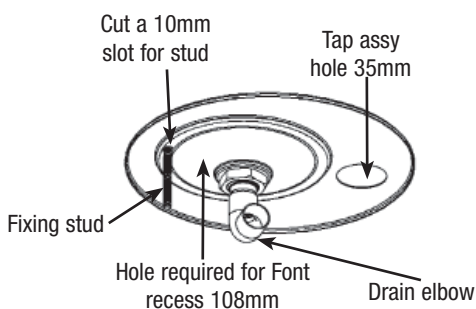
- Filter change:** If the filter is changed early, reset the system by touching continuously, the COLD and HOT markers. The WHITE light will turn ON and after 10 seconds will turn OFF. The counters will be set to zero.

- WARNING:** When all the lights are flashing, the system has experienced a fault. Turn the power OFF to the undersink unit for at least 15 minutes. When the power is turned ON the system may revert to normal operation. If all the lights continue to flash then there is a system fault which must be rectified by an authorised service agent.

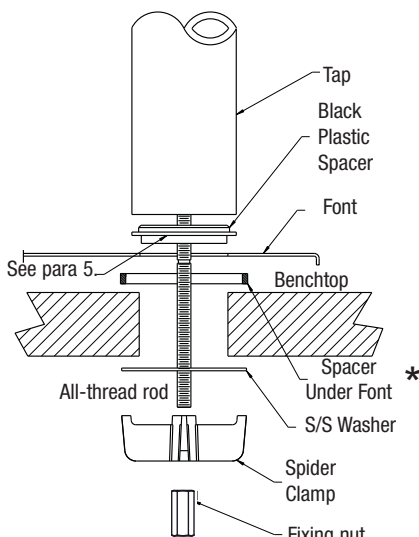


Font Installation Procedure

Accessory kit no. 90915



View from underside



Note: A stainless steel washer is supplied to go in between the Spider Clamp and the underside of the benchtop. See location as shown.

1. Position the Font template (provided in the kit) on the bench area. Ensure the position you select is within the length of the supply tube and USB cable fixed to the Tap Head Assembly. These cannot be extended.
2. Check again for correct positioning. The supply hoses must have constant fall back to the tank assembly. Cut the holes as shown on the template.
3. Once holes are cut, locate the Font base in position, from the underside, lightly tighten the fixing stud with the nut and washer provided.
4. Attach the short threaded rod, with the long nut, to the brooker rod extending from the tap.
5. Apply a light smear of silicon sealant to the underside of the black base ring, this will provide a water tight seal against the Font base when clamped. * Ensure the plastic spacer is correctly located under the Font.
6. Now take the Tap Head Assembly. Feed the hoses and USB cable through the Font base, then through the plastic spacer that sits under the font base but on the bench top. This stops warping of the base plate. Ensure the Tap spout is directly centred over the Font drain. Fit the "Spider Clamp", nut and washer onto the "All Thread". Have all the supply tubes and USB cable located evenly between the "Spider Clamp" legs. When satisfied with the positioning, tighten the fixing nut with the Tube Spanner provided in the kit.
7. Tighten the fixing stud nut so the Font base is flush with the bench top.

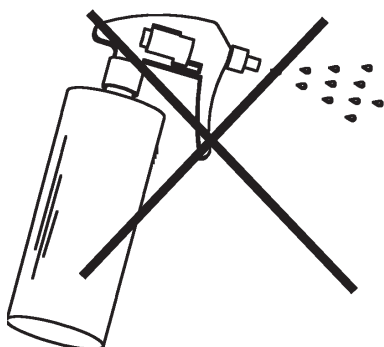
NOTE: The fixing nut above the drain elbow can be loosened to correctly position the direction of the elbow. Ensure when the re-positioning is complete the nut is re-tightened to ensure a water tight seal.
8. Connect a drain hose (22mm ID) from the Font base outlet elbow to the closest drain trap spigot available. If a spigot is not available use the snap on spigot and worm drive clamps supplied in the kit. (Instructions and diagrams are supplied in the kit ref:90915).
9. Ensure the positioning of the snap-on spigot is on the "sink" side of the trap and not the "waste" side. Once positioned, a hole (13mm ID) will need to be drilled to provide waste access to the drain line. The snap-on unit will require suitable sealant to keep it water tight against the waste pipe. Finish by fitting the worm drive clamps tightly on either side of the spigot and fitting worm drive clamps to either end of the drain hose. The drain hose from the Font must have constant fall
10. Connect the Tap head Assembly supply hoses and vent as per the instructions contained in the installation procedure section of this document.

Warning: If the Zip HydroTap is switched off for a long period of time (e.g. more than a weekend), run water through the chilled water outlet for at least 5 minutes before consumption.

Trouble Shooting

Symptom	Possible Cause	Solution
No LED display, no tap head lights or, no water when tap is operated.	No power.	Check power supply.
	Plug is not located in power socket.	Ensure power plug is correctly fitted and switch is turned ON.
	Tap loom is not connected to HydroTap unit.	Check loom connection.
	Possible internal fault.	Contact local Zip Service Provider.
No water flow.	Water supply isolated.	Check water supply is on.
	Water supply not connected.	Check to ensure plumbing connection is made.
	Power supply not connected.	Check power plug is correctly fitted and switch is turned on.
	Water or moisture on the tap top control.	Ensure tap to control is dry.
	Tap loom is not connected to HydroTap unit.	Check for loom connection.
	Possible internal fault.	Contact local Zip Service Provider.
Slow water recovery after use.	Water restriction	Check lines for blockages or restrictions Possible blocked filter
Water not hot.	Unit is in Sleep Mode.	Touch Hot lever and wait for Red LED to stop flashing.
	Possible internal fault.	Wait for Red LED to stop flashing. Contact local Zip Service Provider.
All the lights are flashing	Power interruption	Turn OFF power for 15 Min and then reconnect.
	Water interruption	Check for blockages
	System Fault	Contact local Zip Service Provider

Cleaning



Do not use strong, corrosive, spray or abrasive cleaners. Clean with a soft cloth or brush and mild soap and water.

Do not spray water over the tap as it may damage the low-voltage electronics.

Undersink units must never be cleaned with water jets.

Warranty

Warranty table effective from 1st January 2009.

	Normal Warranty	Extended warranty			
	12 Months	24 Months	36 Months	48 Months	60 Months
Residential HydroTap (except Miniboil)	Parts & Labour	Parts & Labour	Replacement @25% rrp	Replacement @33% rrp	Replacement @50% rrp
HydroBoil	Parts & Labour	Parts & Labour	Replacement @25% rrp	Replacement @33% rrp	Replacement @50% rrp
AutoBoil	Parts & Labour	Parts Only	Replacement @25% rrp		
Commercial HydroTap	Parts & Labour	Parts & Labour			
Miniboil and all others	Parts & Labour				

Full warranty details may be found on the [website](#)

Registering Your Purchase

Registering your Zip installation on the Zip website may help to establish date of installation should it become necessary to service the appliance under terms of the Zip warranty. To register your installation go to www.zipheaters.com and look under the heading "Warranty", or forward the completed product registration form (enclosed) to your nearest Zip head office.

NOTE: Extended warranty and Pro-Rata warranty will only be available on products which have been registered with Zip head office.

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.

Notes

Head Office

Zip Heaters (Aust) Pty. Ltd
ABN: 46 000 578 727
67 Allingham Street
Condell Park NSW 2200
Postal: Locked Bag 80
Bankstown 1885 Australia

Website: www.zipheaters.com
Facsimile: (02) 9796 3858
Telephone: (02) 9796 3100
Free Call: 1 800 638 633

The standard cup referred to in this publication is 167 ml (6 fl oz).

The standard glass is 200 ml (7 fl oz).

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

Zip products described in this publication are manufactured under one or more of the following patents: AU675601, AU637412, AU635979, GB0422305, GB2065848, US4354049, US5103859, US5099825 and SA2006/08043. Other patents are in force and patent applications are pending.



Zip[®]