Instanta

InstaTap

Commercial Under-Counter, Push-Button Dispensers
I2CB10-I2CB50, all models
I2CBC1020, all models
I2CC20, all models

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SECTION 1 Using these instructions

Before you start

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

Explanation of acronyms

UCB - Under counter boiler, UCC - Under counter chiller.

SECTION 2 IMPORTANT SAFETY INSTRUCTIONS

Compliance

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.

Refrigerant

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

The InstaTap chiller range use HIGHLY FLAMMABLE R290 refrigerant under pressure.

SECTION 2 IMPORTANT SAFETY INSTRUCTIONS

Check the rating plate or contact Instanta 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.

Refrigeration equipment

The chiller must be transported in an upright position.

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 the vent / overflow outlet on the InstaTap. Ensure that the vent / overflow is directed to waste via a 20mm air gap on applicable models.

Lifting

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

Airflow

The InstaTap operates within the ambient temperature range 5ºC - 30ºC. Proper air circulation must be provided. The system will operate satisfactorily only if the recommended air gaps are provided.

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 InstaTap under counter boiler and under counter chiller 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 InstaTap is rated for 220-240V 50Hz AC operation.
- Do not remove the cover of the under counter boiler, and under counter chiller, without first isolating them from the power supply.
- Connect only to a potable (wholesome, cat1) mains water supply.
- Never locate the system near, or clean with water jets.
- Do not expose the InstaTap system to the elements of nature.
- A pressure limiting valve must be fitted for mains water pressures above the max. limits stated.
- Use of tools can be hazardous, assess the risks before you start.
- A clearance envelope around the under counter appliances must be provided to allow adequate ventilation and service access for their safe and effective use.
- Valve and fitting threads must be sealed appropriately with PTFE tape where compression seals are not provided.
- Do not over tighten plumbing and hose connections.
- The power cords and power outlets must be in a safe and accessible position after installation. When positioning the under counter

appliances, ensure power supply cords are not trapped or damaged. If damaged they must be replaced by an Instanta service provider or a qualified electrician.

- Instanta cannot be held responsible for any appliance malfunction if the water pressure exceeds that stated. If in doubt, consult your water supply company.
- The install rail supplied must be fitted to ensure compliance with the S.I.1999 No.1148 The Water Supply (Water fittings) Regulations 1999 Schedule 2 requirement.
- Ensure that all installed silicone tubes are shaded from direct sunlight.
- Instanta cannot be held responsible for limescale related problems even when a lime-scale reducer has been installed.
- As with all refrigeration systems, irreparable damage can be caused by laying the chiller on its side or even transporting upside down.
- If the under counter chiller has been transported incorrectly, it should be placed in the correct upright position and left for 24hours before attempting to install and commission it. Failure to observe these precautions could seriously damage the refrigeration system.
- All InstaTap models with chilled functionality must be sanitised during installation or the commissioning process, please contact us on 0345 6 005 005 to book a commissioning service.
- If your InstaTap is left idle before use, for water taste and quality reasons, any non-use of more than 48 hours, we recommend a system flush be performed. On first use after a period of non-use, run the chilled function for 60 seconds to flush the filter and system. Not flushing the system may affect the water quality. If taste or water quality issues persist, a filter change and sanitisation may be required.

SECTION 4 Technical data

4.1 Technical data tables

A 3.5 bar pressure limiting valve must be fitted for mains water pressures above 5 bar, in accordance with local plumbing regulations. (A pressure limiting valve is supplied as part of the install rail in the installation kit)

Under counter chiller

Specification	Unit	Under counter chiller
Capacity	L	N/A
Dimensions (W x D x H)	mm	180 x 340 x 390
Supply voltage	V	230 50Hz AC
Power rating	kW	0.185
Mains water supply pressure	bar	2 - 5
Fill type		Automatic
Recovery per minute	L	0.33
Water temperature	°C	5 - 9
Weight (empty)	kg	17
Weight (full)	kg	19
Mains water connection		3/4" BSP (Install rail 15mm)
Fuse rating	A	5

SECTION 4 Technical data

Under counter boilers

Specification	Unit	10 litre UCB	20 litre UCB
Capacity	L	10	20
Dimensions (W x D x H)	mm	230 x 415 x 520	390 x 475 x 568
Supply voltage	V	220-240 V (50-60Hz)	220-240 V (50-60Hz)
Electrical supply	A	13 (1 phase)	13 (1 phase)
Power rating	kW	3.0	3.0
Fuse rating	A	13	13
Mains water pressure	bar	2 - 5	2 - 5
Fill type		Automatic	Automatic
Max rapid draw-off	L	10	20
Output per hour	L	30	30
Water temperature*	°C	default 96	default 96
Weight (empty)	kg	10.5	15.3
Weight (full)	kg	22.5	37.0
Heat up time from cold	mins	24	43
Mains water connection		3/4" BSP (rail 15mm)	3/4" BSP (rail 15mm)

*Adjustable

Specification	Unit	40 litre UCB	50 litre UCB	
Capacity	L	40	50	
Dimensions (W x D x H)	mm	560 x 510 x 600	560 x 510 x 600	
Supply voltage	V AC	220-240 V (50-60Hz)	220-240 V (50-60Hz)	
Electrical supply	A	13 (1 phase)	20A	30A
			1 phase	1 phase
Power rating	kW	3.0	4.5	6.75
Fuse rating	A	13	20	30
Mains water pressure	bar	2 - 5	2 - 4	
Fill type		Automatic	Automatic	
Max rapid draw-off	L	40	50	
Output per hour	L	30	42	63
Water temperature*	°C	(default 96)	(default 96)	
Weight (empty)	kg	24	26	
Weight (full)	kg	68	70	
Heat up time from cold	mins	88	64	42
Mains water connection		3/4" BSP (rail 15mm)	3/4" BSP (rail 15mm)	

*Adjustable

SECTION 5 Components supplied

5.1 Supplied parts checklist

- Before starting installation check that you have the following parts.

Boiling Chilled (BC), Chilled (C) and Boiling (B) models

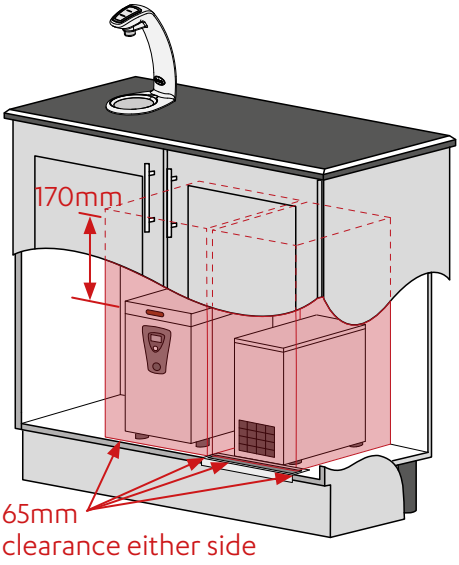
BC	C Qty	B	Description
1	-	1	Under-counter boiler (UCB)
1	1	1	Instruction manual
1	1	-	Under-counter chiller (UCC)
1	-	-	3/8" push fit - equal Tee
3	2	2	3/8" push fit - G3/4 brass connector
1	1	1	Install rail & water block
3	2	2	1m 3/8 JG pipe
-	-	1	4.5kW- 6.75kW link wire (I2CB50 models only)
1	-	-	UCB - UCC interconnect cable
			Under-counter chiller ventilation kit
1	1	-	Air inlet grille & retaining screws
1	1	-	Air outlet grille & retaining screws
			Filter kit, supplied with all commercial models
1	1	1	FL500 filter
1	1	1	Filter head
2	2	2	1m length 3/8" blue JG flexible pipe
2	2	2	Filter head mounting screws
2	2	2	3/8" push fit elbow, to avoid tight tube bends

6.1 Positioning and ventilation - in cupboard installation

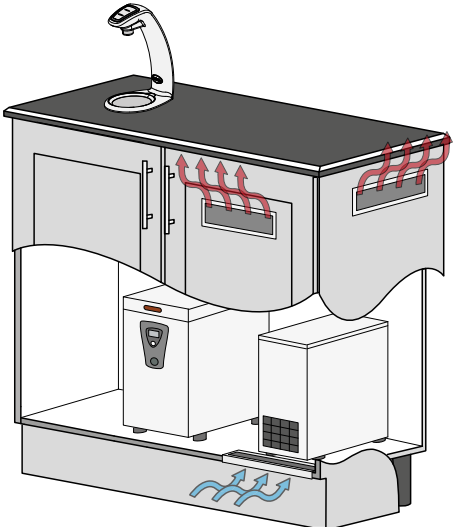
Use of tools can be hazardous, assess the risks before you start.

Use instructions supplied with individual kit parts.

- A clearance envelope both sides and above each under counter appliance must be provided to allow service access and ventilation for the safe and effective use of the under counter boiler (UCB) and under counter chiller (UCC).



- Adequate ventilation must be provided to allow cold air to be drawn into the bottom of the cupboard, and hot air expelled from the top of the cupboard.
- **The inlet and outlet vents supplied with chilled water systems must be installed to keep cupboard temperatures below 30°C.**
- Door buffers must be fitted to provide sufficient air flow.
- Cupboard temperatures should not exceed 30°C.

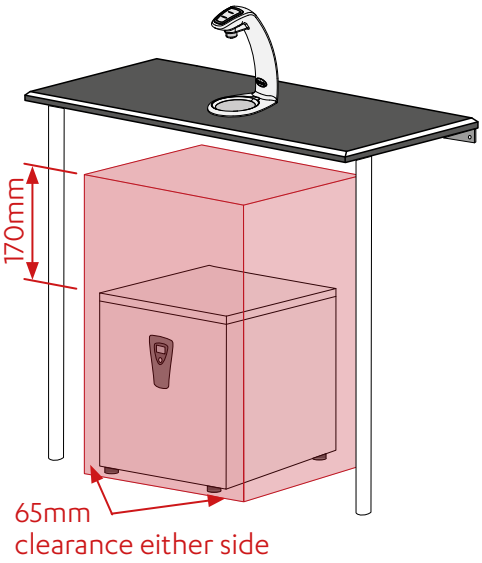


6.2 Positioning and ventilation - under counter top installation

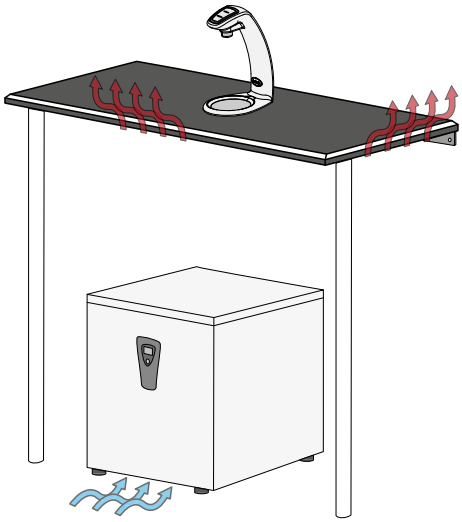
Use of tools can be hazardous, assess the risks before you start.

Use instructions supplied with individual kit parts.

- A clearance envelope both sides and above each under counter appliance must be provided to allow service access and ventilation for the safe and effective use of the UCB.



- Adequate ventilation must be provided to allow cold air to be drawn into the appliance, and hot air expelled from the UCB.
- Ambient air temperatures should not exceed 30°C.

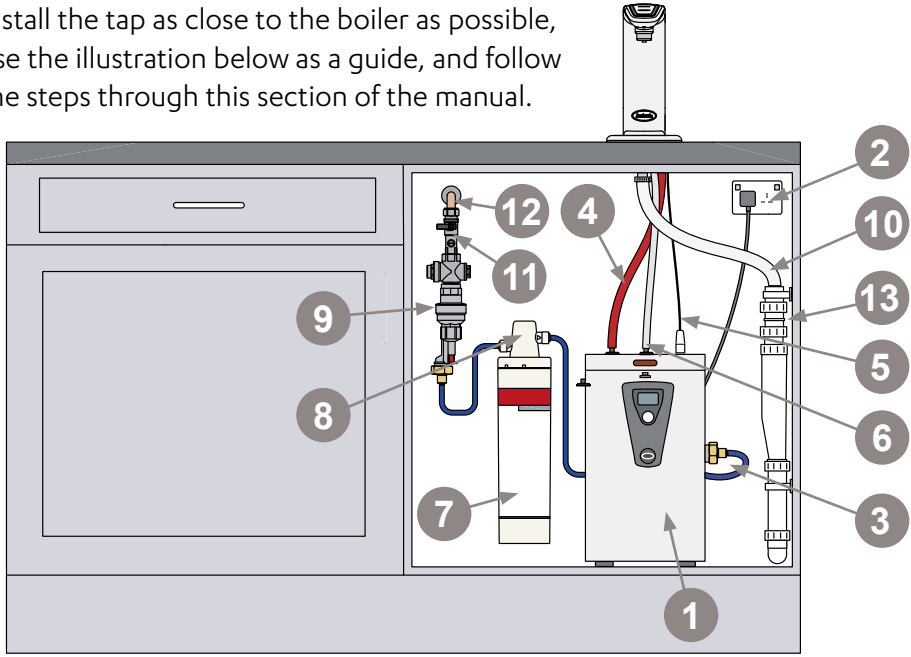


6.3 Pipes and tubes

Install pipes & tubes correctly. No kinks, sags, pinches or loops. Ensure there is a constant fall from the tap down to the appliance.

6.4 I2CB10 General in cupboard arrangement

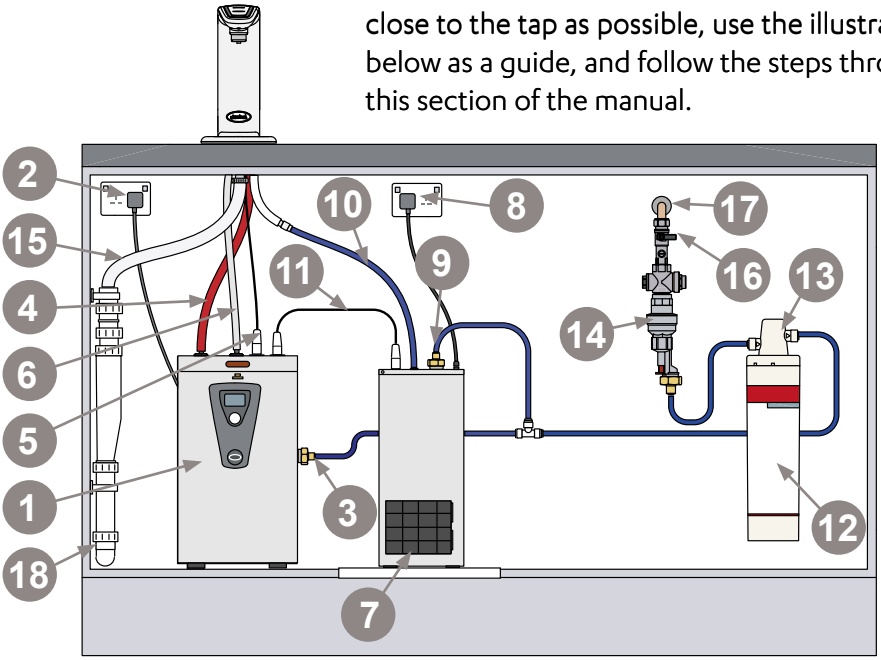
- Install the tap as close to the boiler as possible, use the illustration below as a guide, and follow the steps through this section of the manual.



1. Under counter boiler (UCB)
2. UCB Mains electricity supply
3. UCB mains water connection
4. UCB Boiling water tube
5. UCB Control cable
6. UCB overflow & vent tube
7. Water filter
8. Filter head
9. Water block
10. Font waste pipe
11. Isolation valve (install rail inc. non return valve)
12. Mains water supply
13. Waste to drain

6.5 I2CBC1020 General in cupboard arrangement

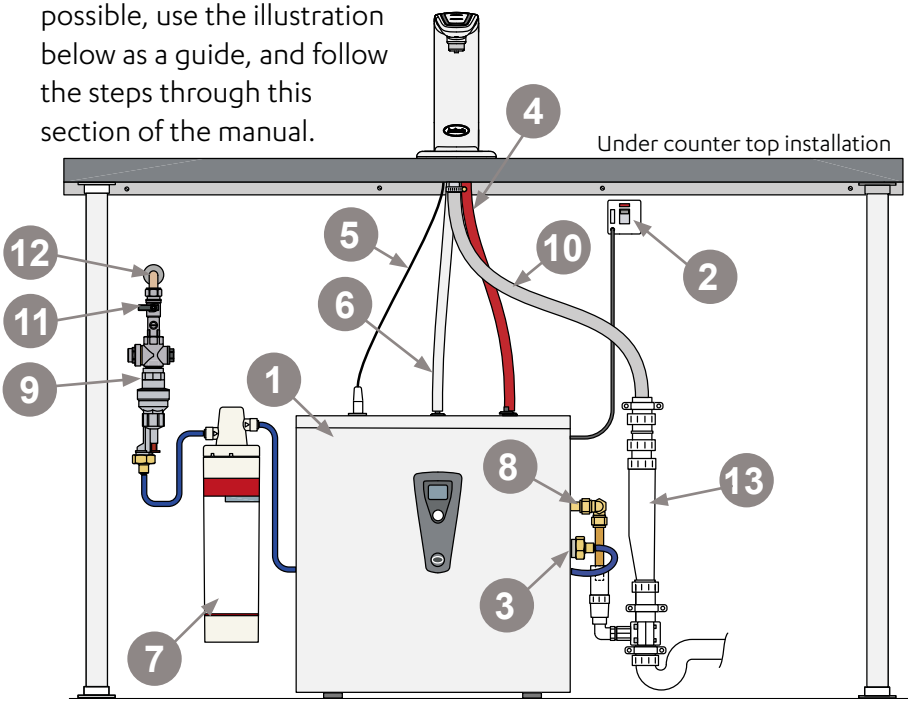
- Install the under counter boiler and chiller as close to the tap as possible, use the illustration below as a guide, and follow the steps through this section of the manual.



1. Under counter boiler (UCB)
2. UCB Mains electricity supply
3. UCB mains water connection
4. UCB Boiling water tube
5. UCB control cable
6. UCB overflow & vent tube
7. Under counter chiller (UCC)
8. UCC Mains electricity supply
9. UCC mains water connection
10. UCC Chilled water 3/8”pipe, connected to silicone tube
11. Interconnect cable
12. Water filter
13. Filter head
14. Water block
15. Font waste pipe
16. Isolation valve (install rail inc. non return valve)
17. Mains water supply
18. Waste to drain

6.6 I2CB20 - I2CB50 General arrangement

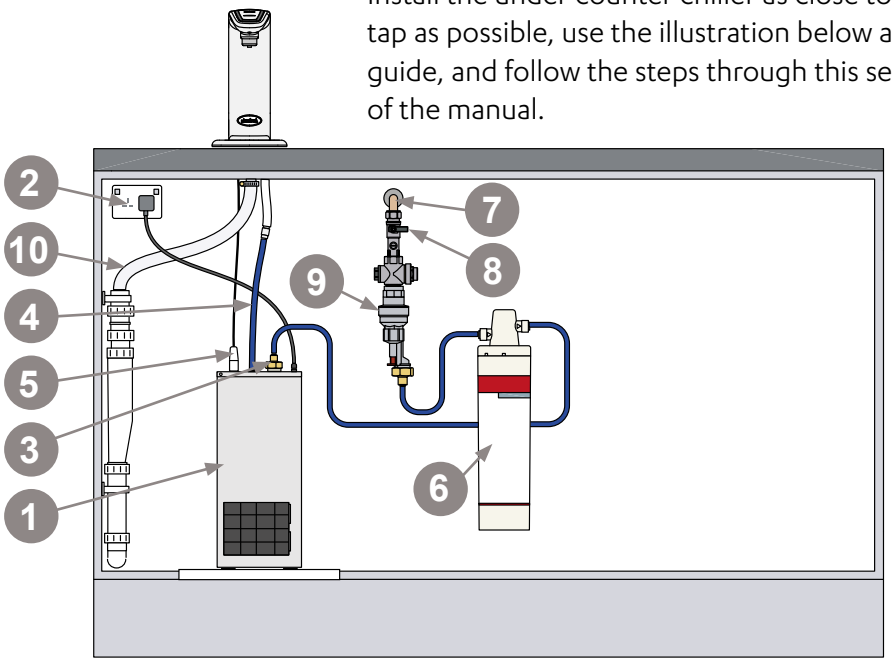
- Install the under counter boiler as close to the tap as possible, use the illustration below as a guide, and follow the steps through this section of the manual.



1. Under counter boiler (UCB)
2. UCB Mains electricity supply
3. UCB mains water connection
4. UCB Boiling water tube
5. UCB Control cable
6. UCB vent tube
7. Water filter & head
8. UCB overflow
9. Water block
10. Font waste pipe
11. Isolation valve (install rail inc. non return valve)
12. Mains water supply
13. Waste to drain

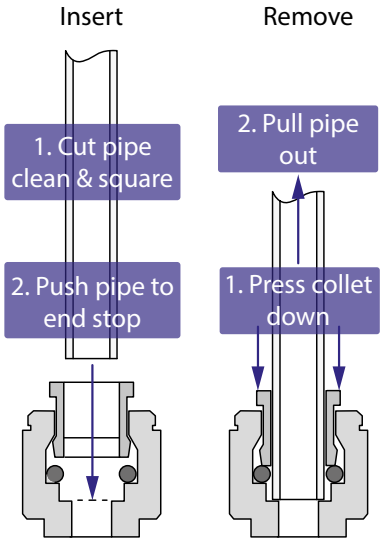
6.7 I2CC20 General in cupboard arrangement

- Install the under counter chiller as close to the tap as possible, use the illustration below as a guide, and follow the steps through this section of the manual.



1. Under counter chiller (UCC)
2. UCC Mains electricity supply
3. UCC mains water connection
4. UCC Chilled water 3/8”pipe, connected to silicone tube
5. UCC control cable
6. Water filter & head
7. Mains water supply
8. Isolation valve (install rail inc. non return valve)
9. Water block
10. Waste to drain

6.8 Push fit best practice



6.9 Connect the water supply

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

Water supply pressure range 2 - 5 bar.

If the mains water pressure is below 2 bar a fault could arise. If the mains water pressure exceeds 5 bar a 3.5 bar water pressure reducing valve must be fitted. Failure to do so could result in the appliance overfilling.

To avoid damage, do not use any solder connections whilst pipes are connected to the appliance.

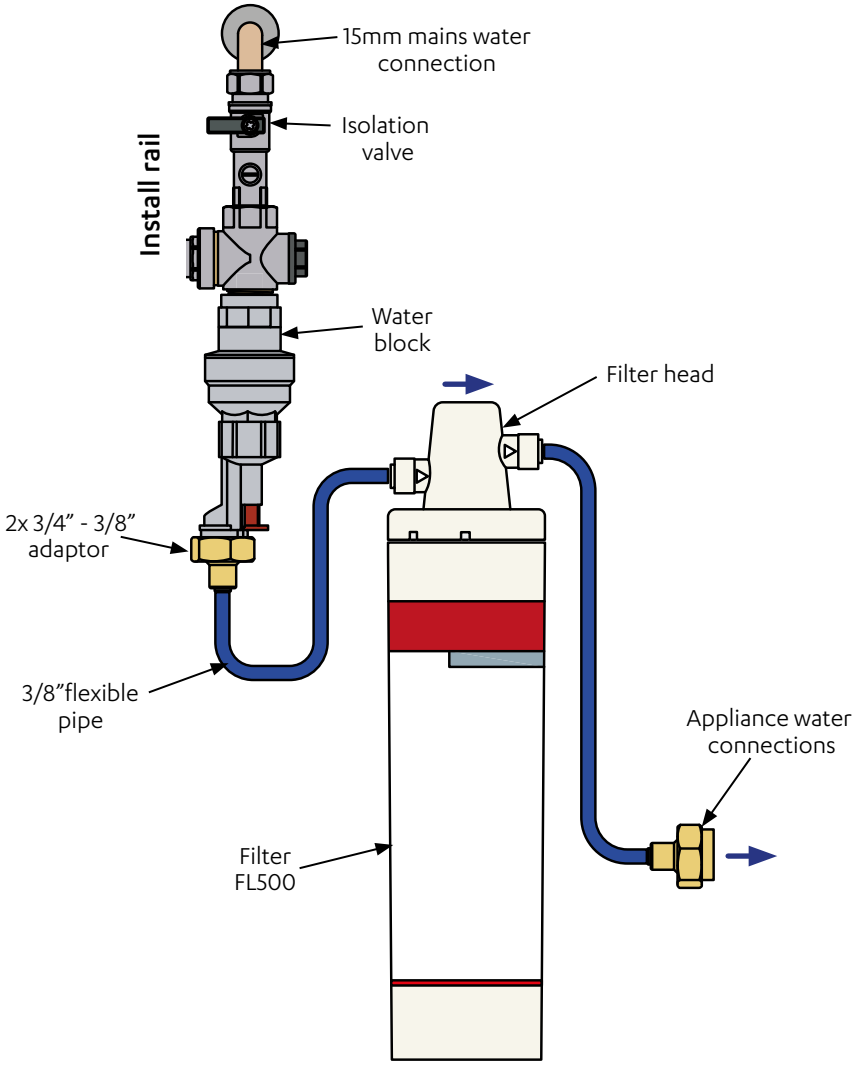
Instanta cannot be held responsible for any appliance malfunction if the water pressure is not within the range stated. If in doubt, consult your water supply company.

Use instructions supplied with the individual system components.

6.9.1 Mains water connection

- Connect to a wholesome (cat 1) cold drinking water supply using 15mm copper pipe-work to the install rail.
- The install rail must be fitted, it includes an isolation valve to turn off the water supply for servicing or repair, as well as a back-flow prevention device to prevent water from the appliance re-entering the mains water supply.
- When installing 'push fit' fittings and pipe-work observe push fit best practice, see page 17.
- To install the filter head, use the instructions supplied with it.
- To install and set the water block, use the instructions supplied with it and refer to page 20.
- To install the FL500 filter, use the instructions supplied with it and refer to page 34.
- The filter must be flushed after installation, see page 35.

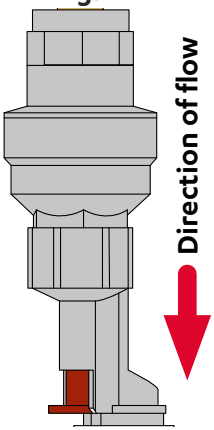
Mains water supply arrangement



6.10 Water block

This device must be installed vertically with the direction of flow downwards (inlet at the top , outlet at the bottom. See Fig. 1

Fig. 1



- The Water Block should be installed in a convenient location on the water supply line to the appliance.
- Rotate Pointer 'P' (see Fig.3) until in line with the max. required flow. The number scale corresponds to 5 litres of flow i.e. 1 = 5 litres, 10 = 50 litres.
- The key (see Fig.2) should be used to adjust the pointer.
- The inlet should be connected via a 15mm copper tail.
- The outlet shall be connected via the 3/4" - 3/8" push fit brass fitting supplied.
- Ensure that the direction of flow through the Water Block is correct and that the filter screen (see Fig.2) is inserted correctly with the convex surface facing towards the water supply.

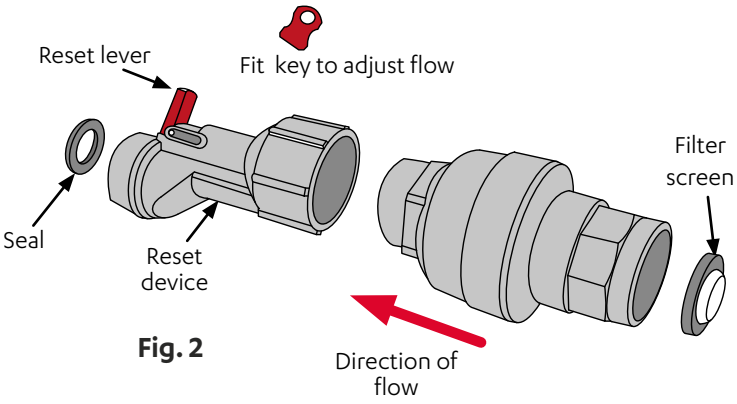


Fig. 2

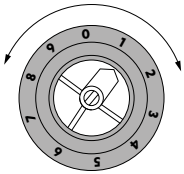


Fig. 3

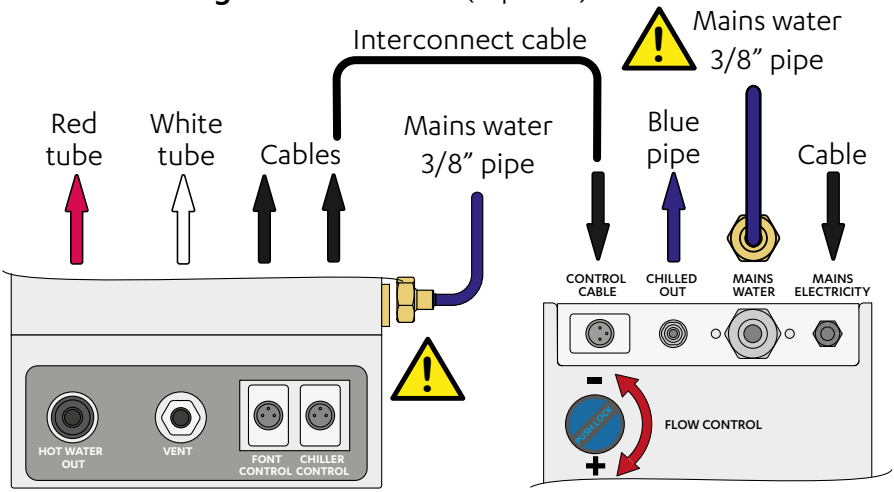
6.10.1 Reset procedure

- The Water Block will activate and shut off the supply if more water than the set amount is drawn off at one time.
- In this event isolate the water supply to the Water Block.
- Identify and repair the leak then press the reset lever (Fig. 2).
- Tripping issues, contact Technical support on 0345 6 005 005 for advice.

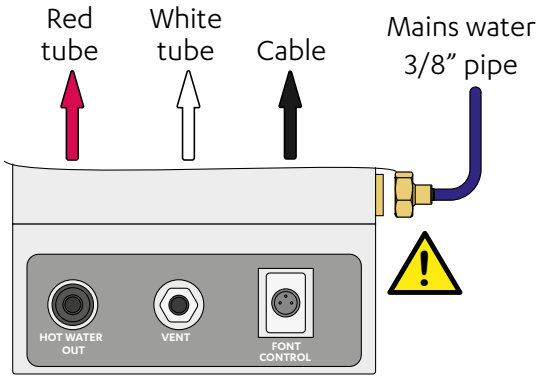
6.11 Manifold connections and controls

- Using the installation diagrams, see pages 11 -16 as a guide, connect the system together.

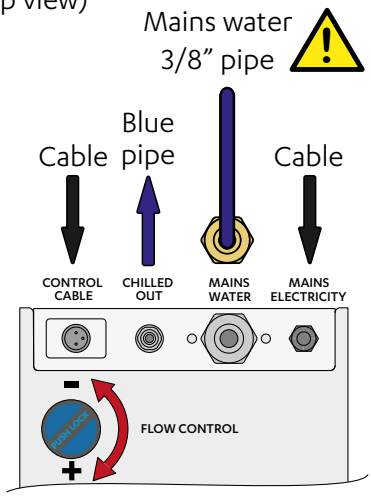
I2CBC1020 Boiling chilled models (top view)



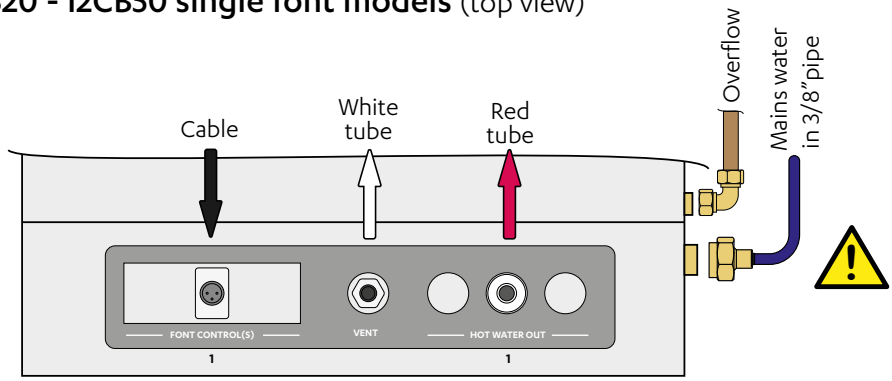
I2CB10 Boiling models (top view)



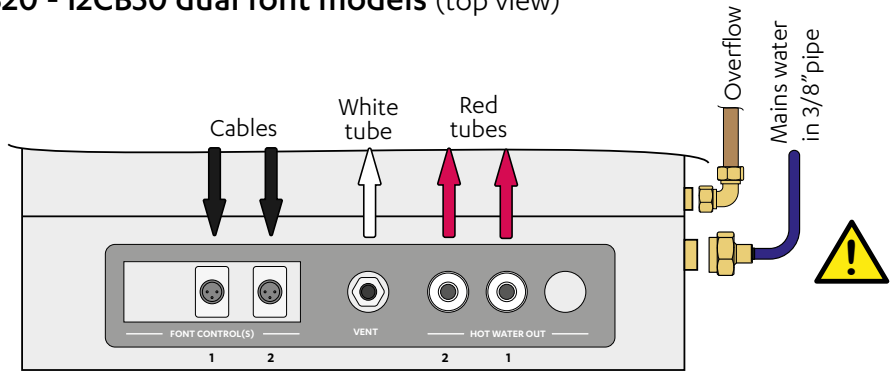
I2CC20 chilled models (top view)



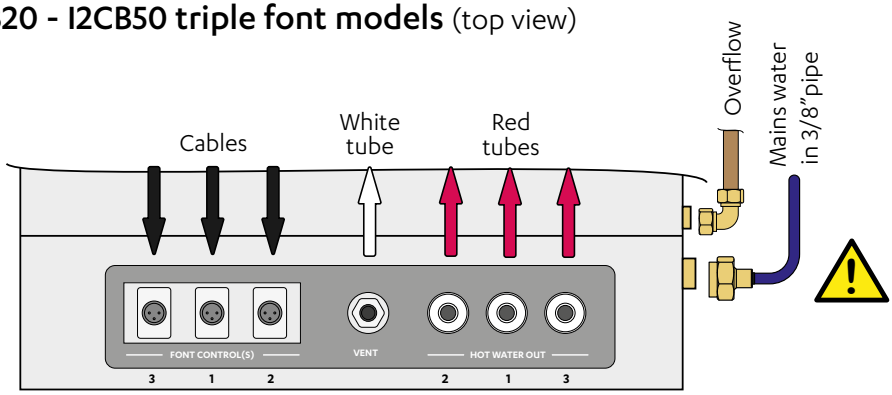
I2CB20 - I2CB50 single font models (top view)



I2CB20 - I2CB50 dual font models (top view)

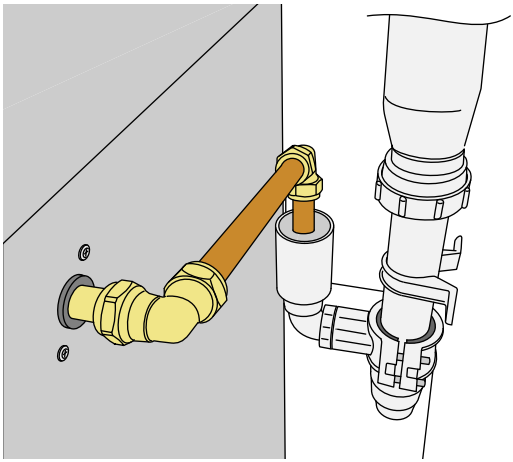


I2CB20 - I2CB50 triple font models (top view)



6.12 I2CB20 - I2CB50 Overflow & drain

Instanta cannot be held responsible should damage occur from such discharge if the overflow pipe has not been directed to a suitable position where overflowing water can run away safely.
Ensure that the vent / overflow is directed to waste via a 20mm air gap.



- Connect the overflow spigot on the side of the appliance to drain with brass compression fittings.
- The overflow drain pipe must have 20mm air gap, a continuous fall and should not be longer than 300mm (if a longer run is required, use 22mm pipe to avoid airlocks).
- The overflow pipe should have no more than four right angle bends and should discharge to a safe, visible position.

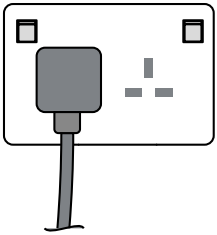
6.13 Connect the electricity supply

Before you start read :
Section 2 Important safety instructions.
Section 3 Warnings & Regulatory information.

Do not switch on the mains electricity supply until installation is complete and all electrical /plumbing connections have been made.

I2CBC1020, I2CB10 & I2CC20 models

- Connect the mains plug to a 230V 50Hz 13A socket.



Mains cable wiring I2CB20 - I2CB40 models

- Appliances rated to up to 3 KW must be connected to a 20A isolator fitted with a suitable ELCB.
- The mains cable is supplied ready fitted to the appliance.
- Mains cable size, 2.5mm².
- Electrical installation should conform to current IEEE wiring regulations.

I2CB50 models - 4.5kW configuration

- Appliances rated to 4.5kW must be connected to a 20A isolator fitted with a suitable ELCB.
- The mains cable is supplied ready fitted to the appliance.
- Mains cable size, 4.0mm².
- Electrical installation should conform to current IEEE wiring regulations.

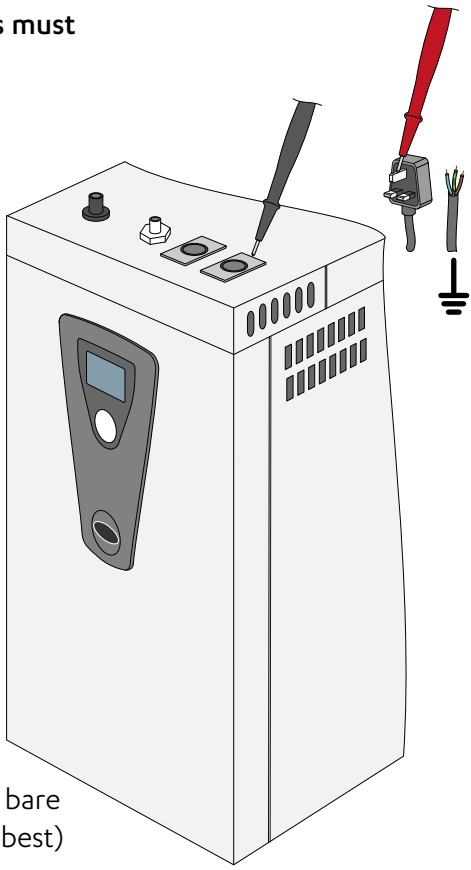
I2CB50 models - 6.75kW configuration

- Appliances rated to 6.75 kW must be connected to a 30A isolator fitted with a suitable ELCB.
- The mains cable is supplied ready fitted to the appliance.
- Mains cable size, 4.0mm².
- Electrical installation should conform to current IEEE wiring regulations.

6.14 Earth continuity test, UCB & UCC

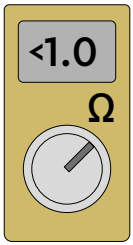
All accessible metal parts must be earthed.

- At installation, the earth continuity of both the UCB & UCC must be checked. Use an insulation tester, appliance tester, DMM or continuity tester with an accuracy of Class 5 or better (±5% at full-scale deflection).



6.14.1 To test the earth continuity

- Isolate the appliance from the electricity supply.
- Set the meter to the lowest ohms (Ω) scale and set to a reading of 0Ω with the meter probes connected together.
- Connect one of the meter probes to the earth wire of the mains cable or earth pin of the mains plug.
- Connect the second meter probe to a bare patch of metal or a screw (the edge is best) on the appliance and read the display.
- Repeat with the second test lead touching the metal body of the tap.
- All readings should be less than 1Ω.
- If any of the reading are above this value, check the earth connection inside the appliance.



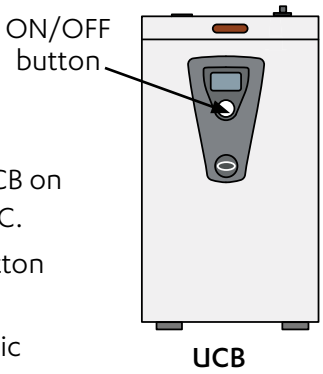
Insulation resistance meter or DMM

7.1 At first switch on

Santising

- All InstaTap models with chilled functionality must be sanitised during installation or the commissioning process.
- Please contact us on 0345 6 005 005 to book a commissioning service.

7.1.1 Under counter boiler (UCB)



UCB

- Flush the filter, see page 34.
- Turn on the mains water supply.
- Switch on the mains electricity supply.
  In a Boiling chilled system, always switch the UCB on first, then the UCC, as the UBC controls the UCC.
- Switch on the UCB by pressing the ON/OFF button on the display panel.
- The system runs through an initial self diagnostic check, various messages are displayed on the screen.
- The appliance begins to fill with water.
- NOT READY, FILLING, --°C" is displayed.

- **I2CB40 & I2CB50 models :** After approximately 4 minutes, the CHECK WATER icon flashes and the appliance stops filling.
- **Note:** This is an electronic fault-diagnosis check which only happens on initial priming of the appliance from empty on I2CB40 & I2CB50 models.
- To continue, switch the appliance off and then back on again – the appliance will continue to fill.
- Very occasionally, in situations of abnormally low water supply pressure this operation may have to be performed twice.

- If the tank does not fill to its pre-set level within :

  I2CB40 & I2CB50 models : 10 minutes.

  All other models: 6 minutes.

- CHECK WATER is displayed.
- If this happens, check that the isolation valve is turned on, there are no kinks in the inlet hose and that the Water Block doesn't need to be reset.
- If these are in order, check that the filters in the Water Block and water connection point are not clogged with debris.
- To clear the warning, switch off the UCB mains electricity supply, and then switch back on.
- When the water level reaches the boiler's bottom sensor, the heater is switched on.

- NOT READY, HEATING, --°C is displayed.
- When the water temp is close to the programmed temperature , the real time temperature is displayed.
- When the programmed temperature has been reached, READY, CAUTION HOT WATER, (TEMP)°C is displayed.

- The red background illumination is extinguished.
- The tap controls illuminate.
- The UCB does not fill completely at once. The water input is electronically controlled to obtain maximum output, temperature and efficiency.
- Dispense (see page 31) 3 litres of water to flush the UCB system.
- Wait again for the screen to read READY before making a drink.

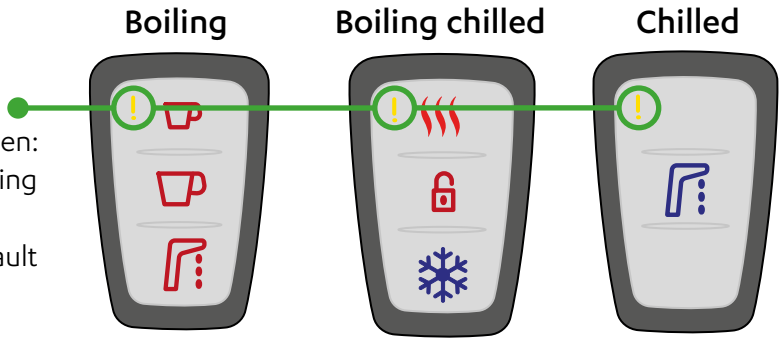
IMPORTANT NOTE In daily use you may use the appliance as soon as the tap controls illuminate but on first installation wait at least 10 minutes before starting to use the water.

7.1.2 Under counter chiller (UCC)

- Flush the filter, and sanitise the system, see page 35.
- Turn on the mains water supply.
- Switch on the mains electricity supply.
- Using the chilled water button on the tap control panel, (see page 32) dispense 3 litres of water to prime and flush the UCC system.
- Wait 30 minutes , the fan and compressor will turn off indicating that the UCC has reached its normal operating temperature and is ready for use.

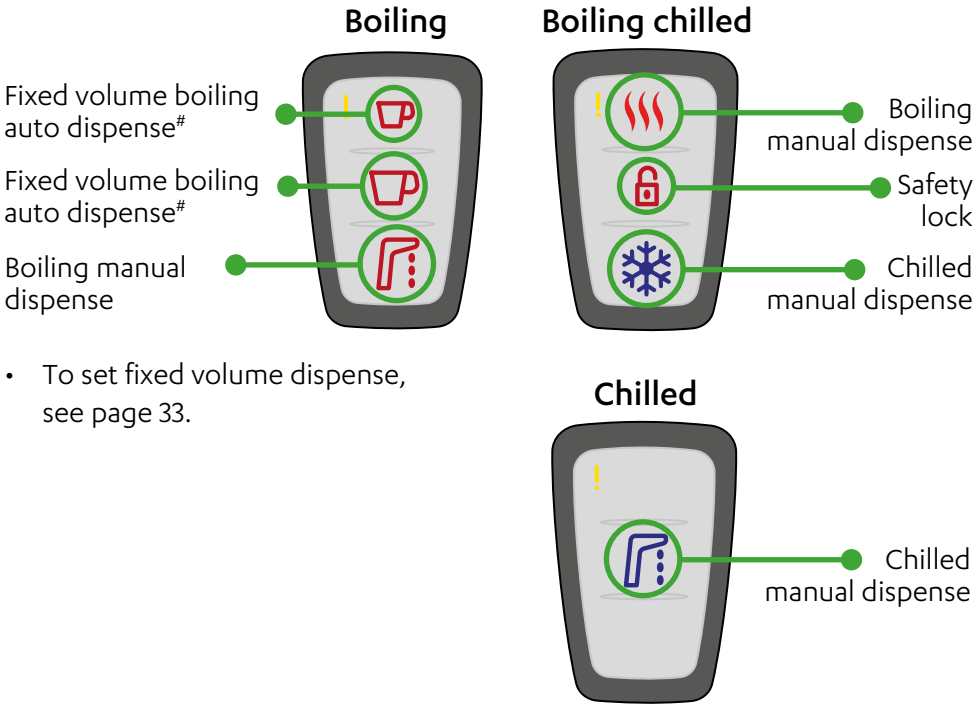
8.1 Tap controls

Warning symbol



- The exclamation mark on tap flashes when in fault mode, at the same time warning triangle flashes on the UCB display screen.

Dispense controls



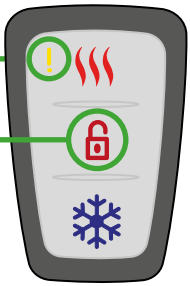
- To set fixed volume dispense, see page 33.

8.2 Safety lock (boiling chilled models only)

- The safety lock is enabled by default.
- The safety lock is a boiling water feature only, and does not need to be disabled when dispensing chilled water.

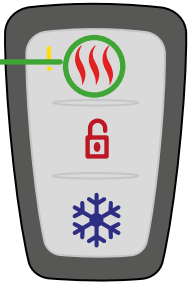
- When the safety lock is enabled :
- Exclamation mark is extinguished.

- Safety lock is illuminated.



- To disable the safety lock :
- Press safety lock.
- All icons illuminate.
- The safety lock is disabled.

- Press any boiling water dispense button (within 5 seconds of disabling the safety lock) to dispense water.



- Following dispense, the safety lock automatically re-enables.
- Safety lock illuminates.

8.3 To dispense boiling water from the UCB

- Make sure the InstaTap is switched on and ready to use, see page 26.
- Familiarise yourself with the tap control icons, see pages 29 -30.
- Check that the tap control safety lock icon is illuminated, see page 30.
- To manually dispense boiling water, place cup on drip-tray.
- Press the safety lock.

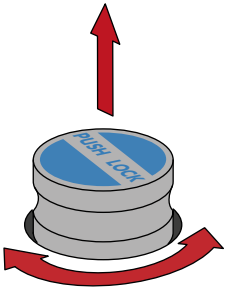
- Press the chosen icon to dispense.
- CAUTION HOT WATER flashes on the UCB display screen during boiling water dispense.

8.4 Dispense chilled water from the UCC

- Make sure the InstaTap is switched on and ready to use, see page 26.
- Familiarise yourself with the tap control icons, see pages 29 - 30.
- To manually dispense chilled water, place glass or jug on font.
- Press the chilled icon to dispense.

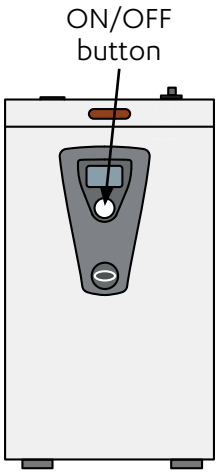
8.5 Adjust the chilled water flow rate from the UCC

- The chilled water flow rate have been factory set, however on-site adjustment may be necessary. The water flow-rate adjustment knob is on the top of the UCC, see page 21.
- To adjust, pull flow-rate adjustment knob upwards.
- Turn clockwise to increase, anti-clockwise to reduce.
- As a guide, a small glass (180ml) should take approximately 5 seconds to dispense.



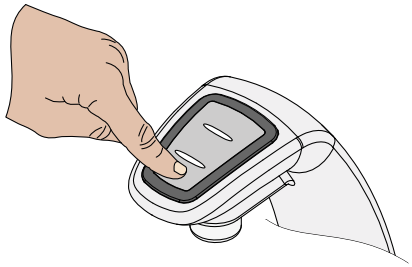
- **Note** If the flow-rate is faster than this, water passes through the cooling block too quickly and dispensed water may not be as cool as specified.

8.6 Set up the fixed volume dispense



UCB

- This function is useful when the cup/teapot being filled is always the same size/capacity.
- To change from on-demand dispense (default) to set volume dispense :
- Switch off under counter boiler (UCB) using ON/OFF button.
- Switch OFF mains power supply and wait 10 seconds.
- **For I2CB10, I2CB20 & I2BC1020 models:** Switch back ON and at the same time, press & hold the bottom dispense button (on the tap) for 5 seconds.
- **For I2CB40 & I2CB50 models:** Switch back ON and at the same time, press & hold the ON/OFF button on front of UCB for 5 seconds.
- The tank will either start to fill with water or the dispense button will begin to flash (depending on water level in tank).
- Screen flashes alternate red white
- Release the ON/OFF button.
- The display will show the ready screen (unless tank is filling).



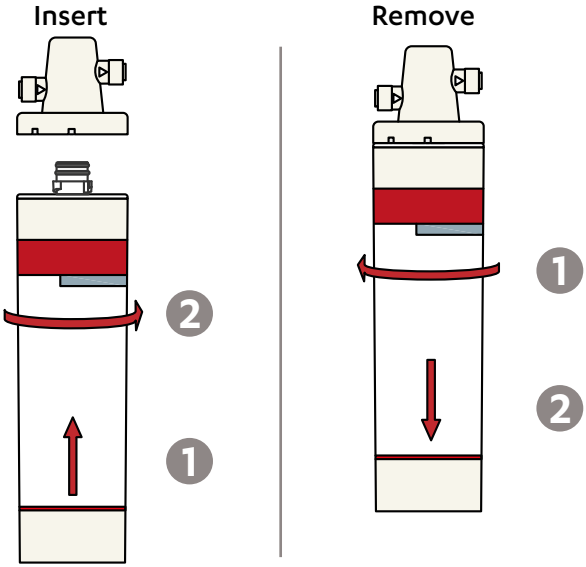
- Press the relevant fixed volume dispense button, & hold until filled with the desired volume).
- Don't take finger off, until desired volume is dispensed.
- Press the bottom dispense button to save the measured volume (the appliance will switch OFF).
- Switch the appliance on again using the ON/OFF button on the front panel of the UCB.
- The set volume has now been programmed.

9.1 Replace ,flush and reset the filter

Not changing the filter cartridge when required may affect the water quality.
Sanitisation should be carried out at all filter changes, or at intervals of no more than 12 months.

Use instructions supplied with the filter cartridge.

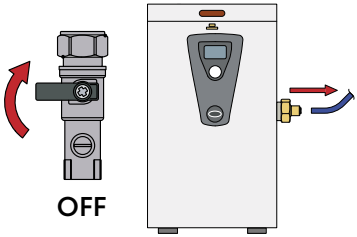
9.1.1 Replace the FL500 filter



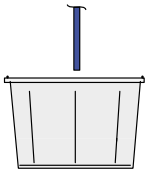
- Turn OFF the power supply to the UCB and UCC appliances.
- Turn OFF the isolation valve on the install rail.
- Remove the old filter (see above).
- Be aware that some water may drip from the filter head.
- Remove the sanitary cap from the new filter, do not touch the connector .
- Moisten the new filter connector with clean tap water.
- Insert the new filter (see above).
- Flush the filter, see page 35.
- Turn ON the power supply to the UCB and UCC appliances.
- Reset the filter monitor, see pages 36-37.

9.1.2 Flush the filter

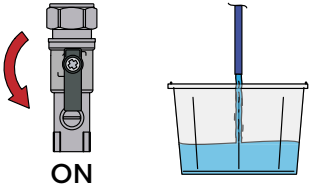
- Turn OFF the power supply to the under counter appliances.
- Turn OFF the water supply to the under counter appliances with the isolation valve on the install rail.
- Disconnect the water supply hose to one of the under counter appliances.



- Direct the water supply hose into a sink or suitable container.

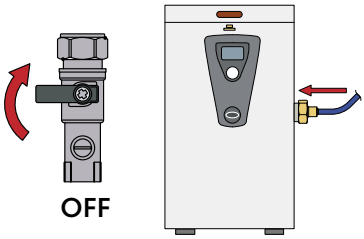


- Turn ON the isolation valve on the install rail.
- Flush the new filter with the volume of water stated in the instructions supplied with the filter - usually a minimum of 10 litres.

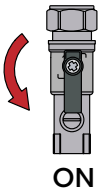


- Be aware, depending on the water block setting ,it may trip and need to be reset during the flushing process, see page 20.

- Turn OFF the isolation valve.
- Reconnect the mains supply hose to the under counter appliance.



- Turn ON the water supply to the under counter appliances with the isolation valve.
- Turn ON the power supply to the under counter appliances.

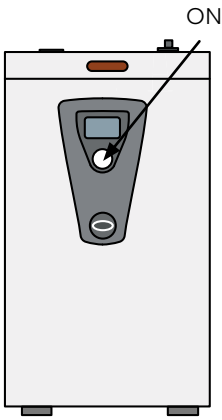


9.1.3 UCB filter monitor settings

- The under counter boiler has different settings for SOFT, MEDIUM & HARD water conditions.
- The filter monitor is factory-set to MEDIUM which is suitable for most parts of the UK with average or medium water hardness.
- The effectiveness of the filter will be reduced in hard water areas (and should be replaced more frequently), or extended in soft water areas where limescale is less of a problem.
- If in doubt as to the hardness of water supplied in your area, consult your local water authority or call Technical Support on 0345 6 005 005.

9.1.4 Adjust the UCB boiling water temperature

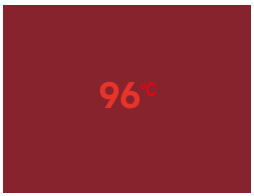
- The temperature of water in the tank can also be adjusted during the same procedure as the filter monitor.
- Turn off the under counter boiler with the ON/OFF button.
- Press & hold ON/ OFF button (approx. 12 seconds).
- The display screen shows the Pr icon.
- Release the ON/OFF button.



UCB

9.1.5 Set the temperature

- After releasing the ON/OFF button (above the temperature setting is displayed.
- Press ON/OFF button incrementally to adjust the temperature by 1°C per increment.
- The adjustment will increase the temperature,to set a lower temperature, continue to cycle through the range.



9.1.6 Set the filter monitor

- The filter monitor on the under counter boiler can be changed from the default MEDIUM setting to HARD or SOFT setting as follows:
- Replace and flush the filter, see pages 34-35.
- Continuing on from the temperature setting screen.
- Press & hold button (long push) for approximately 5 seconds until screen changes to show MEDIUM (default filter setting).
- Press button (short push) to scroll between the different filter settings.
- SOFT
- MEDIUM
- HARD
- EMPTY FILTER (no filter monitor).

- With the required filter setting selected, press & hold ON/OFF button (long push) for 4 seconds to save.
- Press & hold ON/OFF button (long push) for approximately 6 seconds until display goes blank.
- Press ON/OFF button to turn the UCB5 back on again.

9.2 Cleaning

Cleaning of the tap and dispensing outlets must only be undertaken with alcohol or sanitising wipes.
Chemicals should NOT be sprayed onto the tap or UCB / UCC at any time.
Never use strong, corrosive or abrasive cleaning materials on the InstaTap Tap or UCB / UCC.
This could cause permanent malfunction and void warranty

- To clean tap, font, under-counter appliance and ancillaries, wipe surfaces with a sanitising wipe and leave to air dry.

SECTION 10 Service warnings and troubleshooting

10.1 Troubleshooting

- The UCB is fitted with an intelligent fault diagnosing system and is able to detect various fault conditions. Some of these are less serious and it will continue to operate as normal, while others are more serious and will cause the UCB to be disabled.

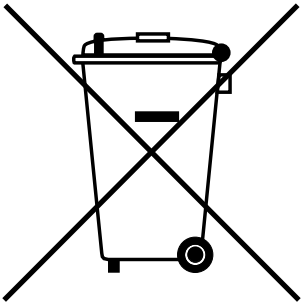
Non functional warnings		Possible causes	Action
		Water turned off. Inlet hose kinked or bent. Low in-coming water pressure.	Check water supply and isolation valve Check in-coming water is at minimum of 2-bar.
		Low-water level probe scaled up.	De-scale inside of tank and level sensors.
		Normal operating probe scaled up.	De-scale level sensors.
Flashing		Over-boiled (due to excessive lime-scale in tank). Faulty Element. Thermistor disconnected, wires cut or faulty. Boil-dry safety switch tripped or faulty.	De-scale tank and level sensors. Isolate machine and wait 10mins, then turn back on again. Reduce temperature setting. Call service if fault persists.
Flashing		Thermistor disconnected, wires cut or faulty.	Call service

- Before calling for service, switch the UCB off at the mains supply and then switch back on after 10 minutes. If the fault does not clear, call technical support for advice on 0345 6 005 05.

Environmental information

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.



Warranty

Warranty

- The appliance is guaranteed for two years from date of installation.
- Our guarantee includes on site labour and parts for problems caused by fault of manufacture and component failure with the following exclusions:
- Problems caused by hard water and limescale. We regret that we cannot be held responsible for problems caused by hard water.
- Accidental damage, misuse or use not in accordance with these instructions and damage caused by incorrect installation.
- The manufacturer disclaims any liability for incidental, or consequential damages.
- For more information please refer to the online Instanta Warranty Policy.

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