



CHILLED



AMBIENT



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# INSTALLATION MANUAL

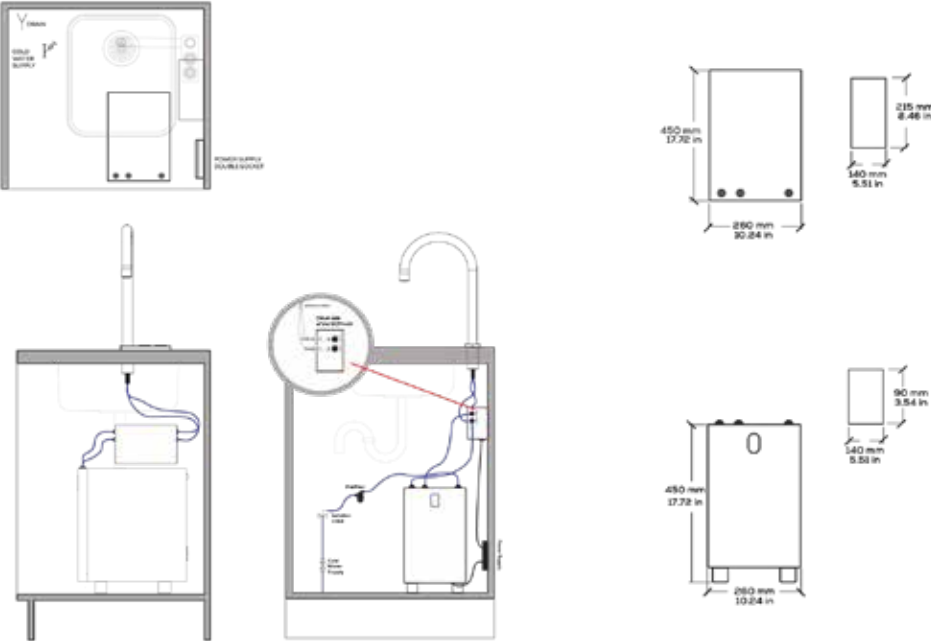
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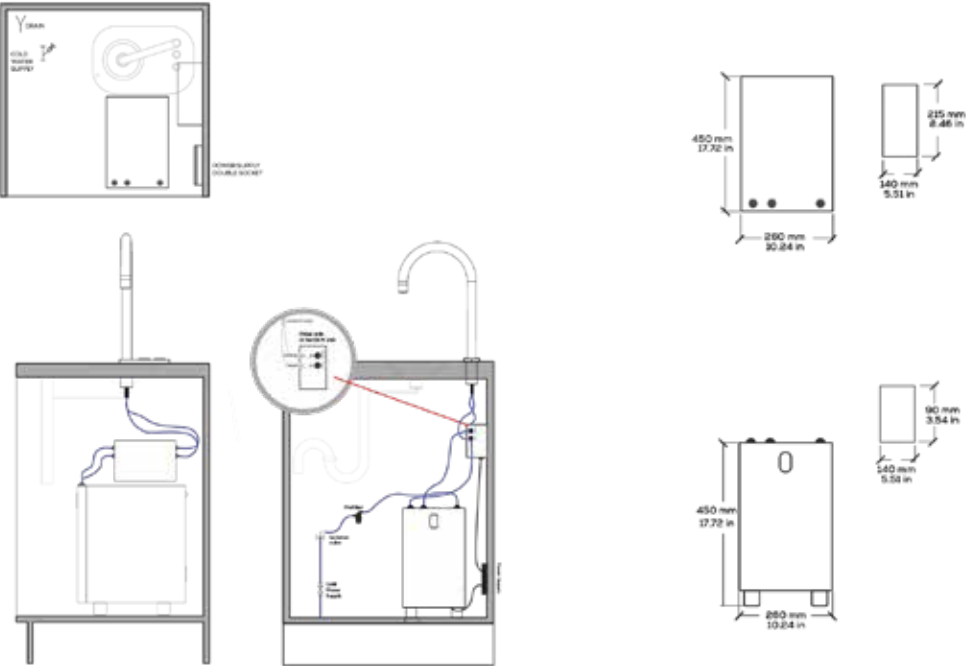
# QUATREAU SMARTTAP™ WITH DCM

## TYPICAL INSTALLATION

### STAND ALONE



### INTEGRATED SINK



\* Uses S245 chiller

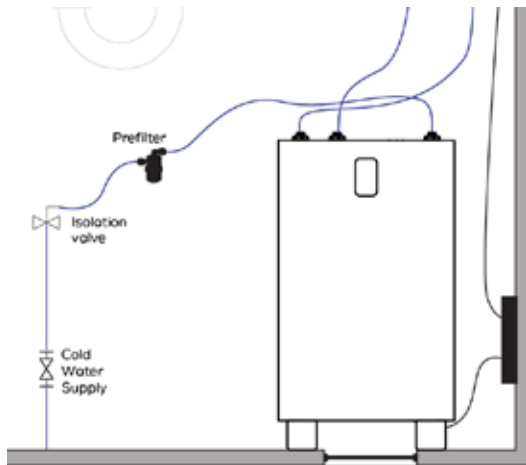
# QUATREAU SMARTTAP™ DCM PRE-INSTALLATION CHECK

## 1. Tools required:

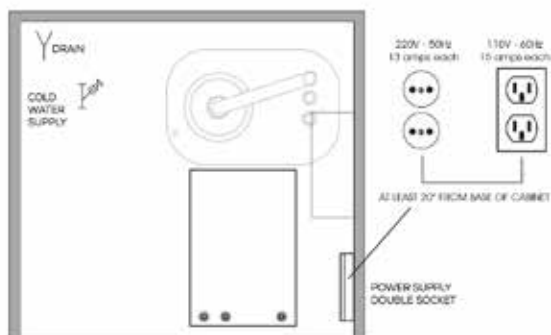
- a. **Jigsaw** - to cut ventilation under chiller into the cupboard base.
- b. **Drill and bits** suited to the work surface
- c. **SmartTap™ 1 x 30mm core bit (or closest match)**
- d. **SmartTap™ with Drain 1x 150mm core bit (or closest match) \* 30 mm core bit for the buttons.**
- e. **2mm hex key** - for tightening spout retainer grub screws.
- e. **3mm hex key** - for DCM lid bolt

**Ensure all red locking clips are fitted to push fit connections.**

**2. Cold Water Supply:** Make sure you install an isolation valve and filter strainer on the cold water supply to ensure serviceability in the future. **Minimum recommended operating pressure 45psi | 3.10 bar. Max recommended operating pressure 60psi | 4.13 bar.**



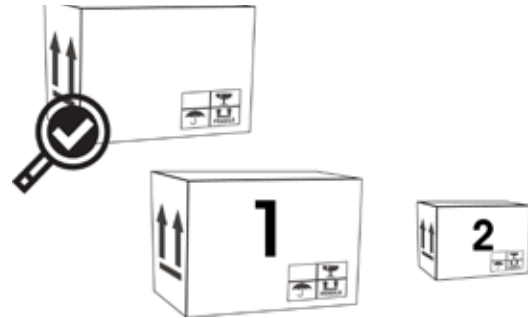
**3. Power:** The system requires two (2) dedicated 110V/15 or 220V/13 amp circuits to run your Quatreau.



4. If installing an integrated drip-tray - a suitable drain connection will be needed.

5. Unpacking your equipment: Your systems have been carefully packaged.

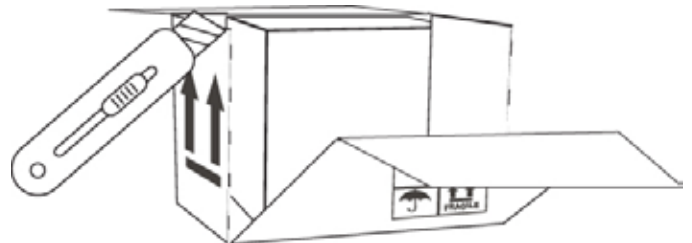
If the box is damaged upon delivery, **you should photograph the damage and remove the contents for inspection before signing the delivery note.**



There will be 2 or 3 boxes depending on the model you have purchased.

- a. Quatreau SmartTap™ (faucet)
- b. Quatreau Chiller / Chiller Carbonator
- c. Quatreau DCM

6. Open and inspect the Quatreau SmartTap™ to inspect the components and installation kit. Use the packaging to prevent damage until ready to fit the work surface.



Cut down each side of the box to reveal the systems so that you don't have to lift them out of the box. Install the water heater on the right-hand side of the cupboard after you've installed the SmartTap™.

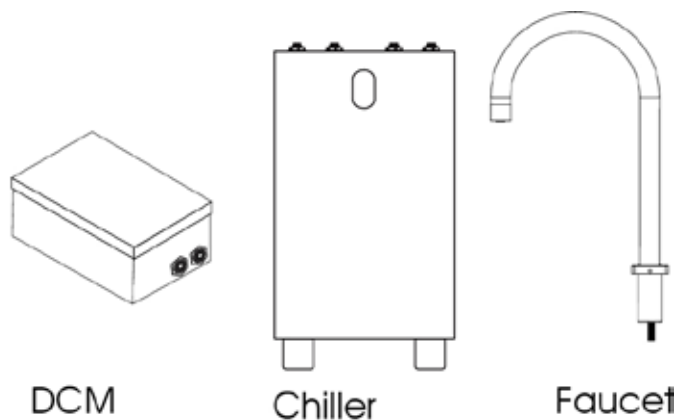
This item weighs 44lbs. Please take care when moving or lifting. The sides and corners are hard and will damage furniture if knocked.

Leave the system on the protective packaging until ready to install.

Please open and inspect the chiller carbonator, then leave it in its base until ready to install.

## SECTION ONE

### INSTALLING THE QUATREAU UNITS SMARTTAP™



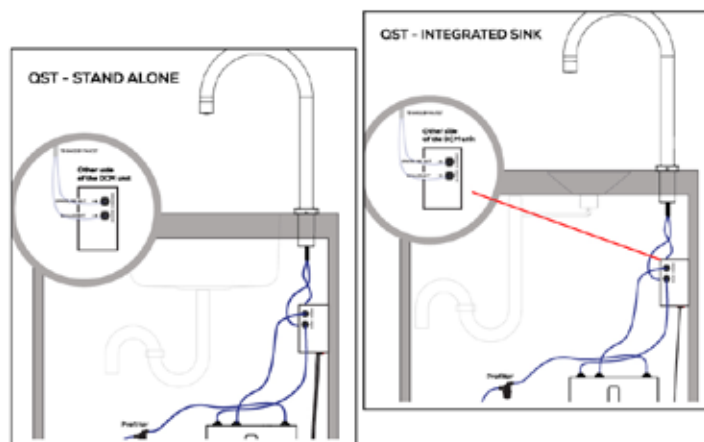
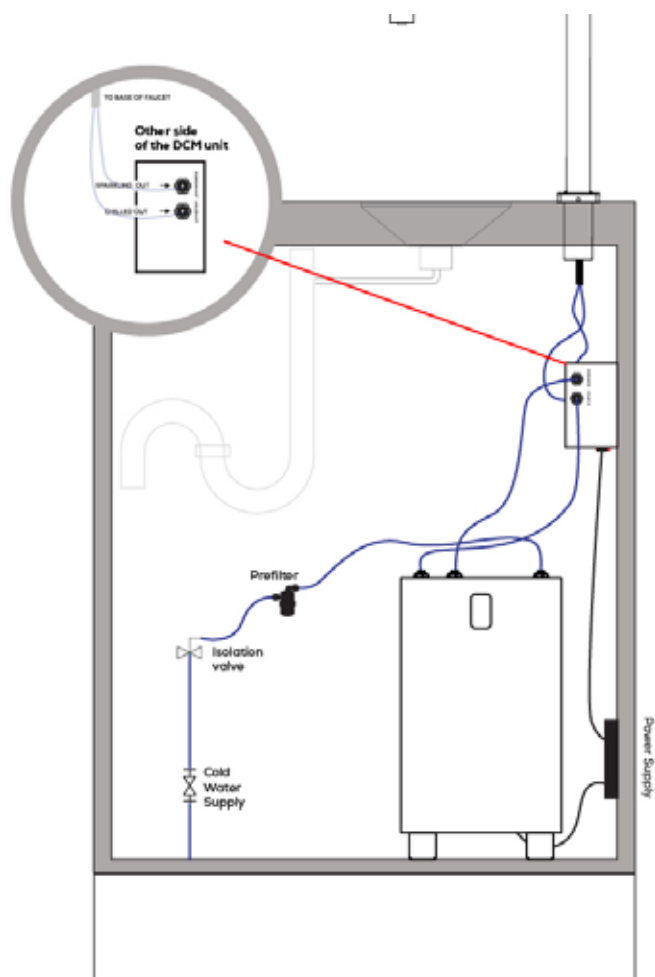
The DCM can be freestanding or we advise it to be installed on the right side wall of the sink cabinet with the chiller as close to the DCM as possible.

1. Place the DCM and chiller side by side under the kitchen cabinet to ensure that they will both fit. Ensure that there is enough space to allow for ventilation and easy access for maintenance.

**The tap must be sited above or adjacent to the DCM, close enough so that the communication cable from the SmartTap™ is not stretched when it plugs into the side of the DCM.**

2. The Quatreau SmartTap™ with DCM will come as a stand-alone tap or integrated into a drip-tray. With the relevant cutting template enclosed with your product, choose the most suitable position for the tap.

3. Depending upon the surface, you will need special cutting equipment. It is required to use a diamond-tipped core bit for granite or marble. For wood or MDF or polymer type surface, a wood bit will normally be adequate. Always check with the worksurface manufacturer and ask what type of bit can be used.



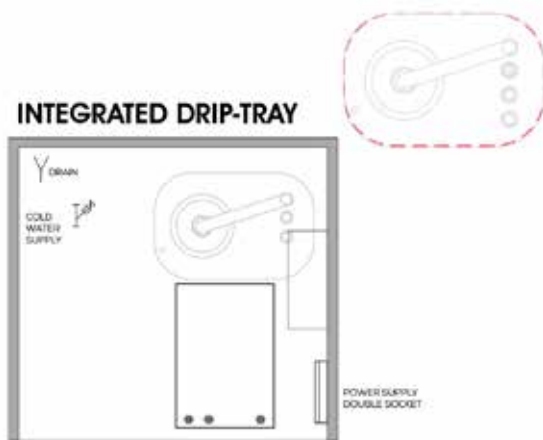
4. Decide where the tap is going to sit. Note that the control panel on the drip tray is on the right-hand side of the tap. Ensure that the location you choose is suitable and that you can reach the controls without needing to stretch while ensuring that the user will not have to reach through the stream of water to operate the tap.

Your kitchen design will, of course, dictate where you can install it safely.

If you purchased a stand-alone SmartTap™, (unless special order), the icons will be orientated to sit on the right-hand side of the sink with the spout facing to the left over the sink. The spout will be to the back of the control panel.



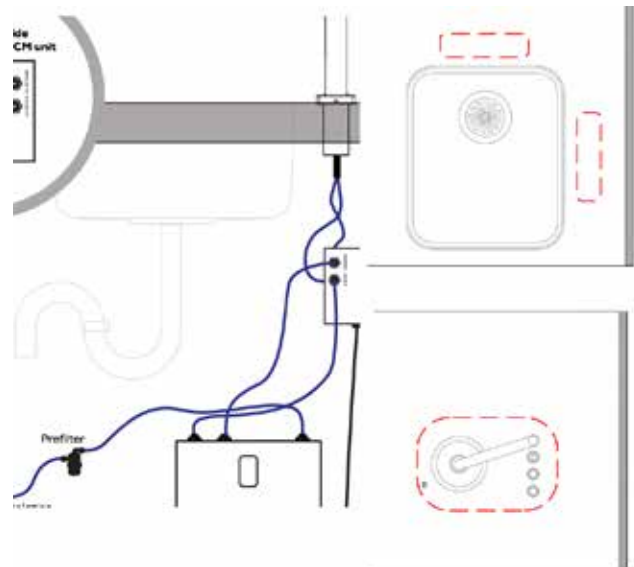
5. The tap can be fitted either to the side of the sink or at the back of the sink. Before you start cutting, ensure that you have set up a jig or a template device to prevent the drill bit from moving when you cut.



6. If installing the integrated drip tray (QST-D), locate it in the center of the worktop with controls to the right-hand side.

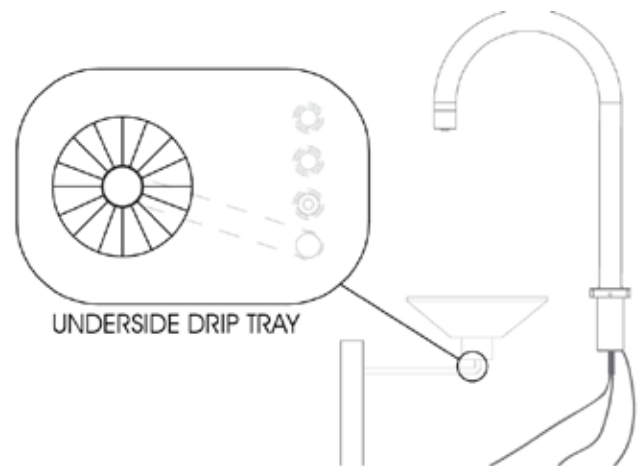
7. Once the hole(s) is prepared, remove any rough edges or bits of wood and place the QST/ QSTD carefully into the hole.

8. Run a bead of silicone around the outer edge of the drip-tray or stand-alone base. The comms cable need to be plugged into the buttons after the installation of the stand-alone or drip-tray.



**THE COMMS CABLE CONNECTS INTO THE SIDE OF THE DCM. THE DCM MUST BE LOCATED CLOSE TO THIS CABLE WITHOUT CAUSING IT TO STRETCH.**

9. Using the fixing nut provided, gently tighten to the underside of the worksurface to prevent the tap base (or drip tray) from moving. Once secure, remove any excess silicone using a wet finger to run around the edges pushing into the corners to create a smooth finish. If the drainer appears to be lifting on one side use a weight to hold it down while the silicon sets.



10. Install the faucet into the Stand Alone / Drip Tray spout retainer. Make sure the faucet is in the correct position and secure in place using the 2mm Hex grub screw(s).

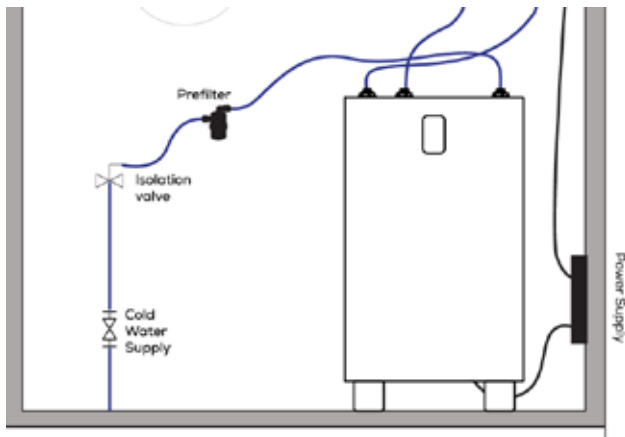
11. Installing an integrated drip-tray - connect drip-tray cone to you drain (600mm length of 19x3.2mm silicone hose is supplied if needed).

## SECTION THREE

### CONNECTING WATER SUPPLY

**AMBIENT CONNECTIONS WILL ALWAYS USE SPARKLING IN AND OUT PORTS, UNLESS INSTRUCTED.**

1. Connect your cold water supply using the 1/4" blue tubing that is supplied in the kit.

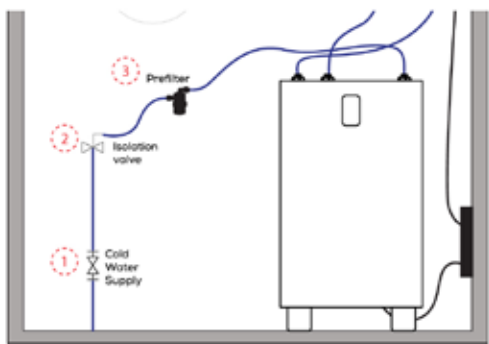


2. Connect the blue 1/4" tube found in the installation kit to this 1/4" connection on the mains supply (push in firmly and fit 1/4" red locking clip), then cut it at a length that extends to the front of the cupboard where the chiller inlet will sit. Install isolator making sure it is closed.

#### **MAKE SURE ISOLATION VALVE IS CLOSED**

3. Slide the chiller into the right side of the cupboard. Connect the 1/4" pipe from the isolator and pre-filter into the WATER IN port located on the chiller.

4. Fix DCM to the right hand side of the cabinet (there are holes drilled in the base of the DCM, a 3mm hex key can be used to remove the lid of the DCM to access the holes). Fix the DCM to as close to the chiller as possible.



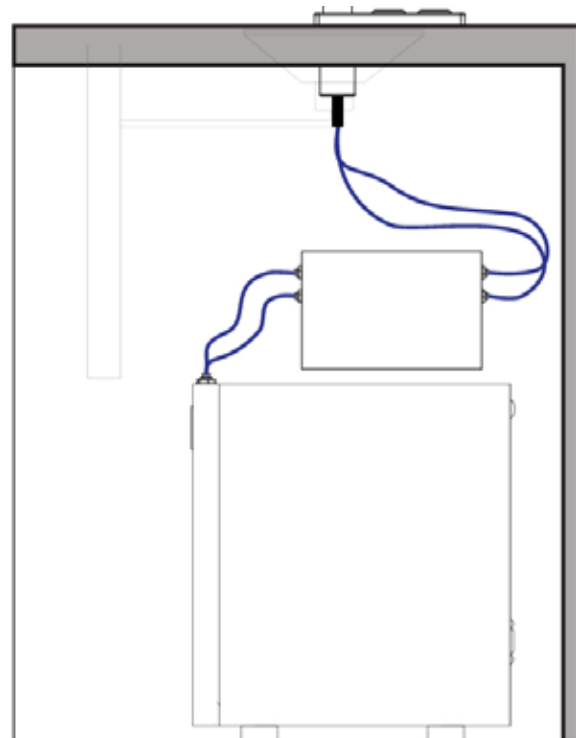
5. Connect DCM to tap using 2x 650mm silicon pipes.

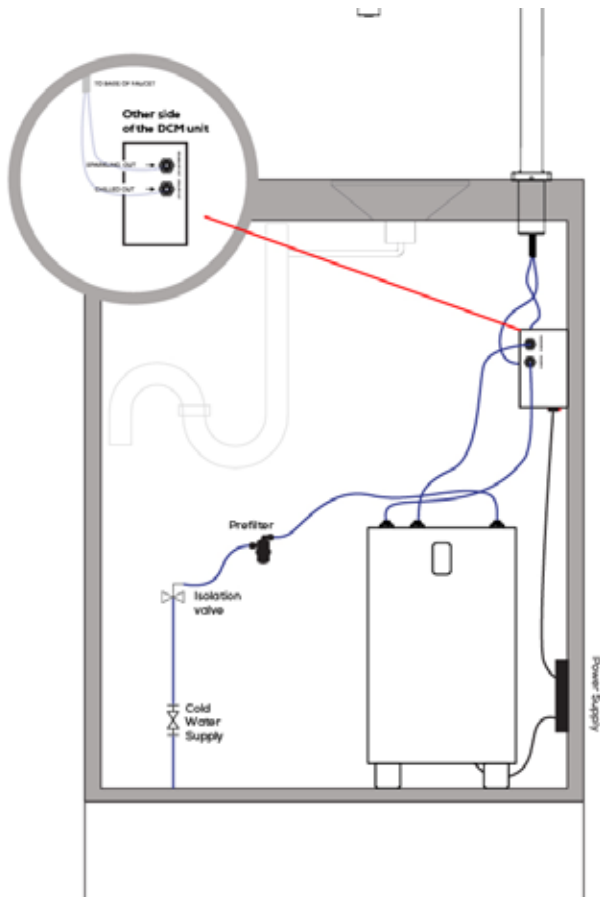
a. Connect both silicon pipes to the two pipes at the base of the tap and secure with spring clips (it does not matter which way round they are fitted.)

b. Making sure that both silicon pipes have a smooth run to the DCM (CHILLED and SPARKLING OUT ports), with no kinks or sagging (cut silicon pipe if necessary).

c. Push the 2x barbed fittings (5/16" barb to 3/8" straight push fit) into the ends of both silicon hoses and secure with spring clips.

d. connect both the silicon hose 3/8" fittings into the 3/8" CHILLED OUT and SPARKLING OUT ports on the DCM (push in firmly and secure with 3/8" red locking clips).

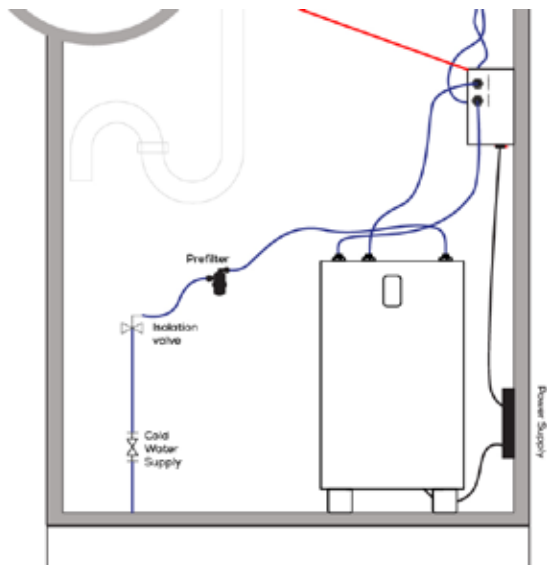




## SECTION FOUR INSTALLING THE QUATREAU CHILLER CARBONATOR

**AMBIENT CONNECTIONS WILL ALWAYS USE SPARKLING IN AND OUT PORTS, UNLESS INSTRUCTED OTHERWISE.**

1. Connect the DCM to the chiller using 1/4" blue pipe.



a. CHILLED IN (DCM) to CHILL OUT (CHILLER)

**DO NOT TURN ON THE POWER**

This step is handled in the commissioning guide.

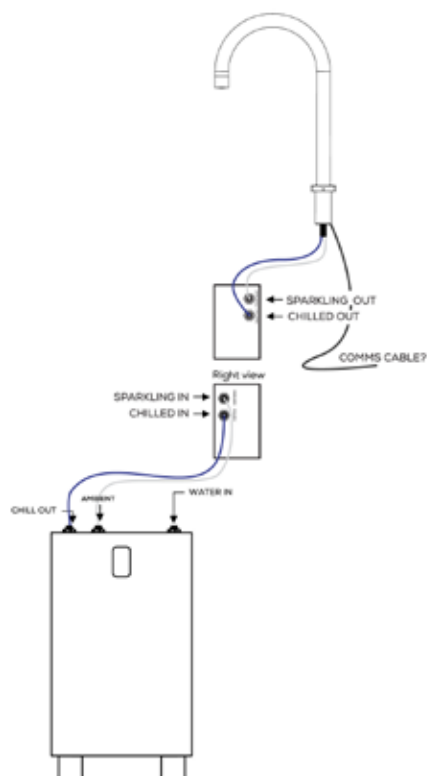
### NOTE

If using an RO system, you must ensure it delivers water at 45-60psi at all times. You may need to add a pump to ensure the optimum psi is supplied to the Quatreau system.

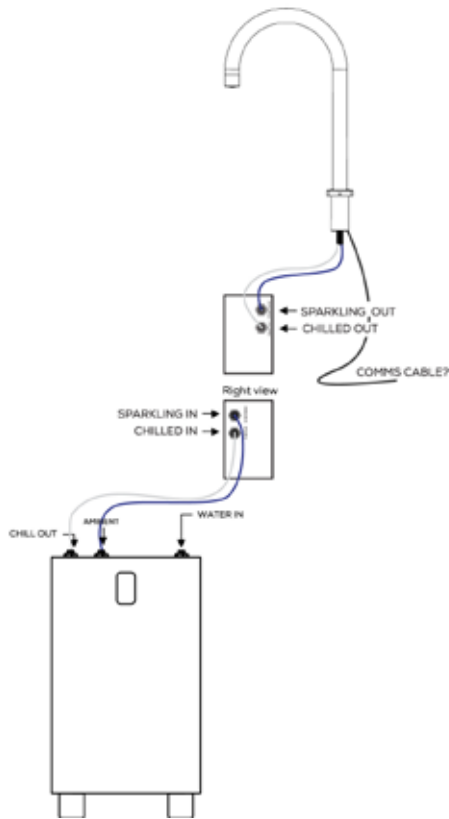
During commissioning, use only mains water, then convert to RO once the system has been set up and commissioned.

**DO NOT TURN ON THE POWER**

This step is handled in the commissioning guide.







b. SPARKLING IN (DCM) to AMBIENT (CHILLER)

### **CHECK ALL CONNECTIONS**

**DO NOT CONNECT SWITCH ON POWER UNTIL COMMISSIONING PROCESS HAS BEEN FOLLOWED.**

**Plug in power leads but DO NOT switch power on.**

### **NOTE**

Ensure that you leave a 1" gap around the chiller unit's sides, enabling ventilation and air movement, without which the system will not chill correctly.

**DO NOT TURN ON THE POWER TO THE CHILLER OR DAMAGE WILL OCCUR**

This step is covered in the commissioning manual.

End of the installation manual. Now refer to the commissioning manual.

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