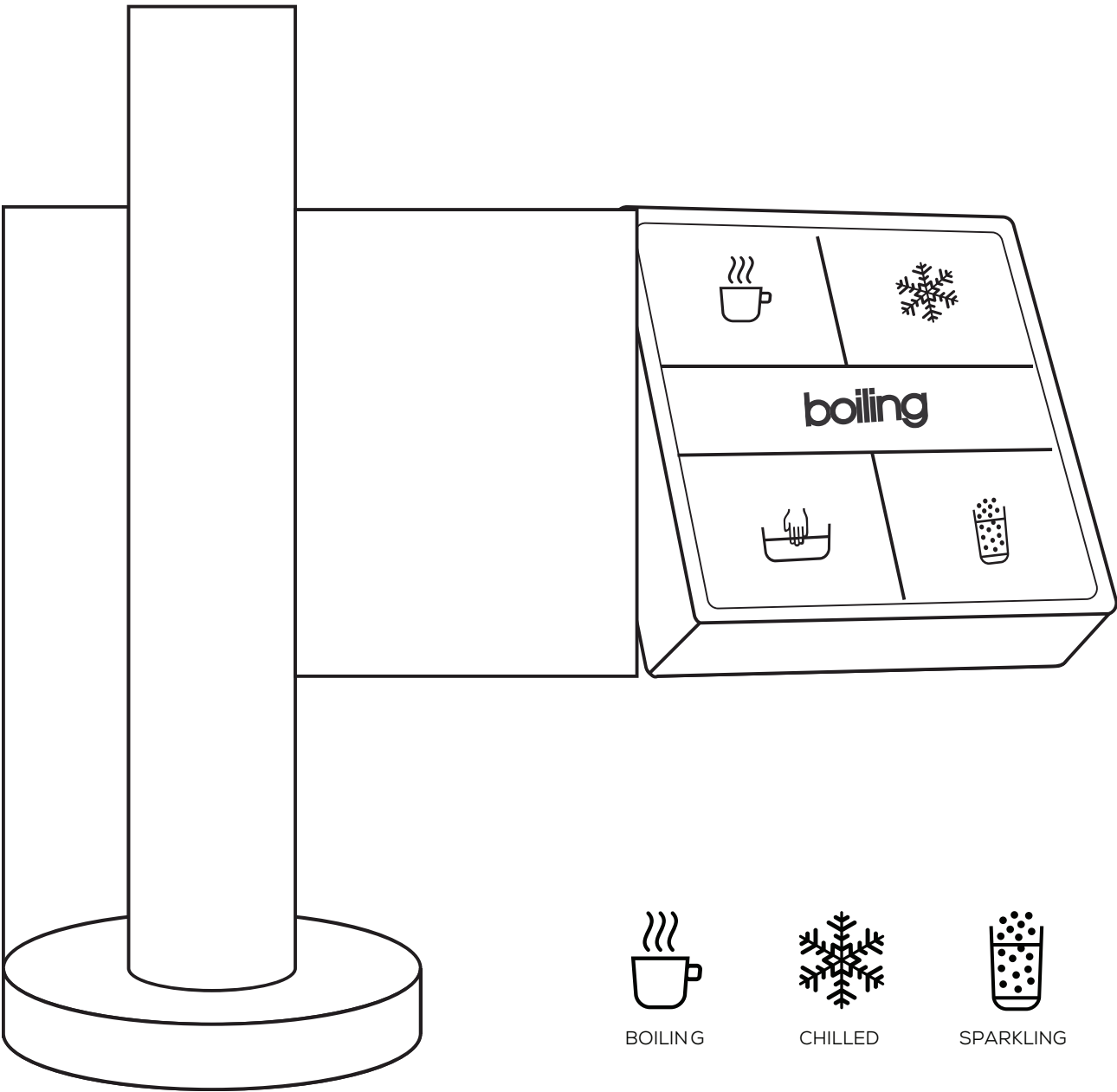


INSTALLATION MANUAL



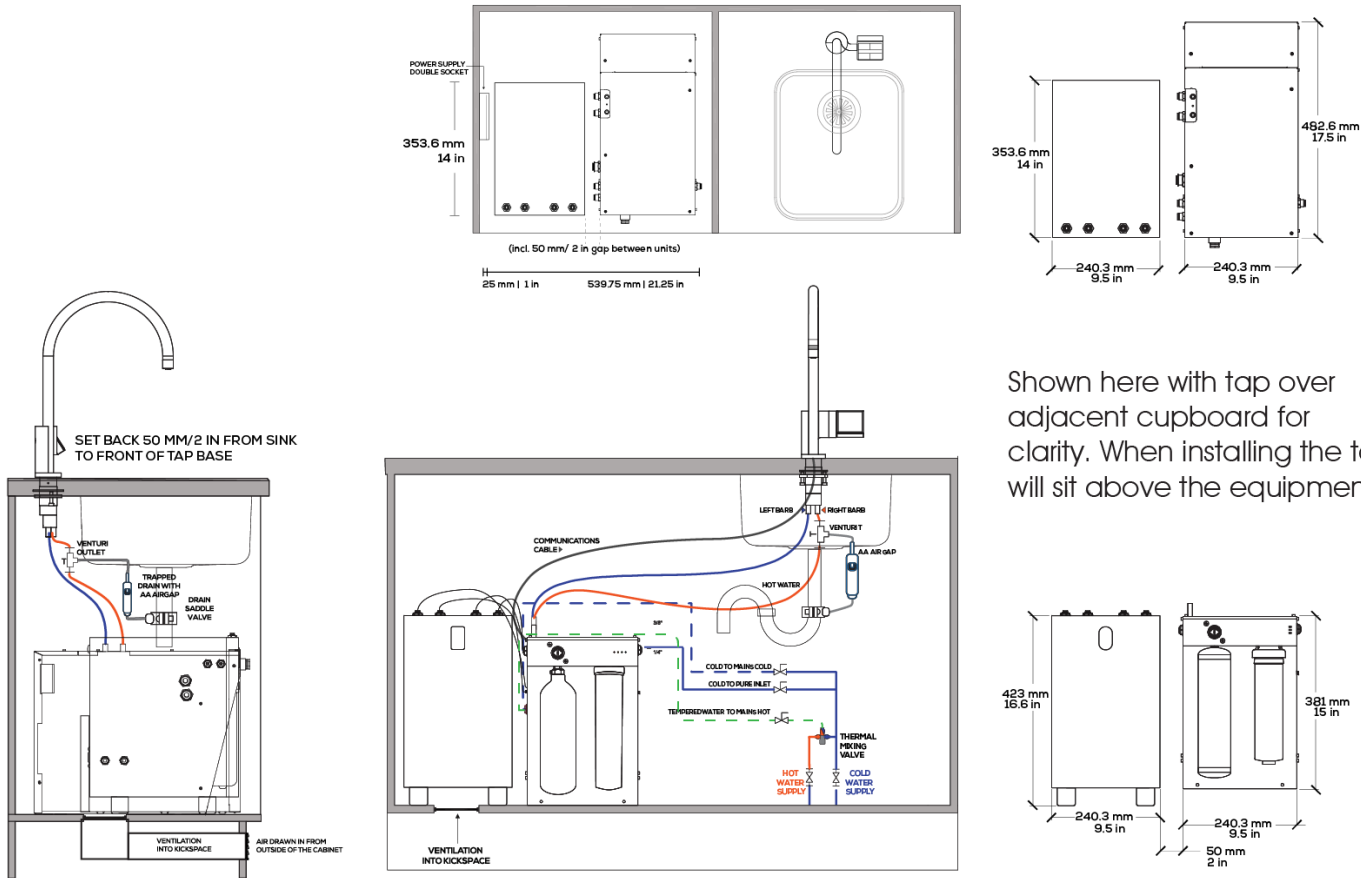
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INSTALLATION MANUAL

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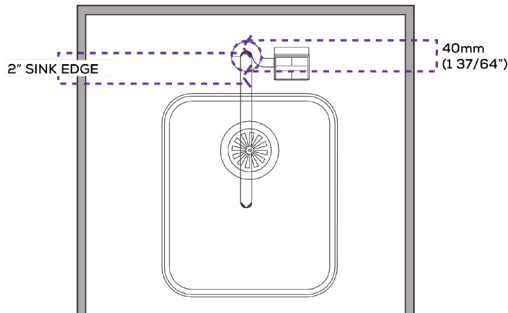
QUATREAU TOUCHTAP™

TYPICAL INSTALLATION



QUATREAU TOUCHTAP™ PRE-INSTALLATION CHECK

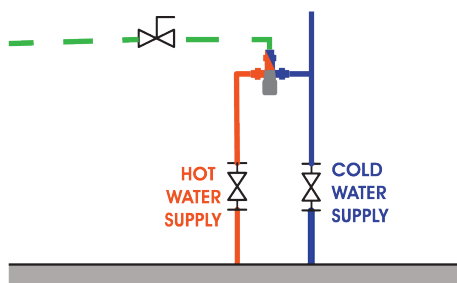
1. Correct sized hole 40 mm/1-37/64 in drilled in the worktop around 50 mm/2 in from the back of the sink.



Depending upon the surface, you may need special cutting equipment. Always check with the work surface manufacturer and ask what type of cutting tool can be used.

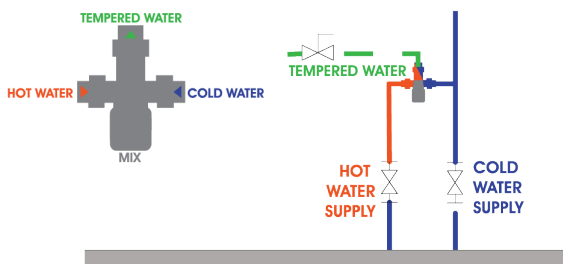
Note that the TouchTap™ control panel is on the right-hand side of the tap. Ensure that the location you choose is suitable and that you can reach the controls without needing to stretch.

2. Hot and cold water supply terminating in shutoff valve connection.

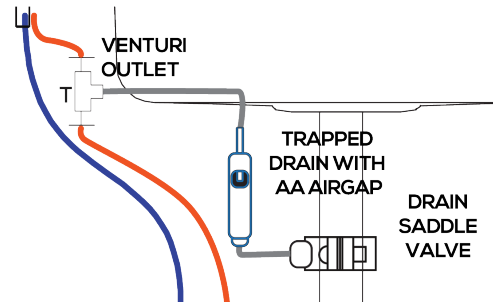


3. Thermostatic mixing valve installed for accessibility. Thermostatic mixing valve must be purchased separately.

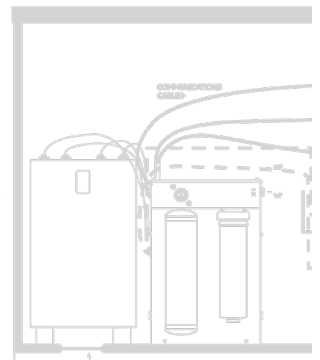
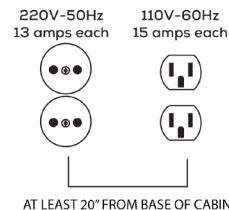
THERMOSTATIC MIXING VALVE



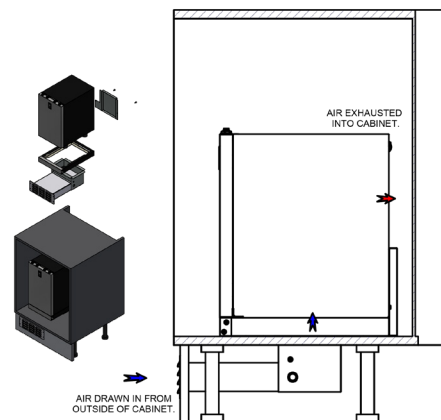
4. Drainage: An approved type AA fitting (air gap) must be used for the venturi waste. Either a trapped upstand or drain clamp or equivalent connection approved in the country or state of installation. Fittings are provided and can be used as applicable for your installation.



5. Power: The system requires **two (2) dedicated circuits to run your Quatreau.**



6. Ventilation Set Up: Ventilation hole is cut into the cabinet base and ductwork installed according to vent kit instructions.

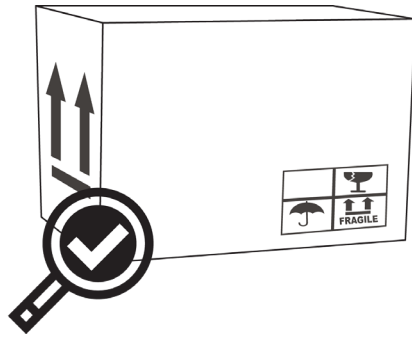


7. Minimum incoming water pressure to the system of 3 bar/45 psi but not exceeding 4 bar/60 psi. Minimum water flow to the system of 100 liters per hour/26.5 gallons per hour.

WARNING: ENSURE YOU HAVE FULLY READ THE INSTALLATION MANUAL BEFORE COMMENCING.

SECTION A UNPACKING YOUR EQUIPMENT

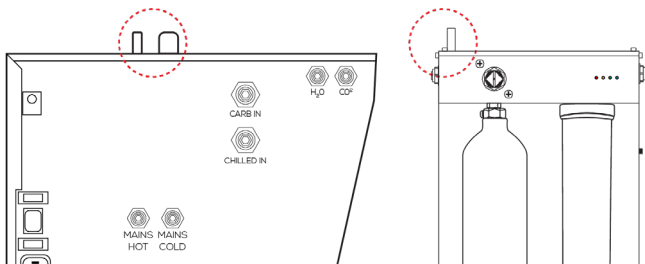
Your system has been carefully packaged. If any boxes are damaged upon delivery, you should photograph the damage and remove the contents for inspections before signing the delivery note.



1. Confirm you have all items required for installation, namely:

- ✓ QT553 Water Heater Control Unit & Installation Kit including Carbon Filter
- ✓ CS20-A Chiller Carbonator
- ✓ Quatreau TouchTap™ Faucet Package
- ✓ CO2 Canisters

2. Open the top of the water heater and set aside the accessories. On the top of the water heater you will see two protruding opaque stems. Please be careful not to damage these stems when unboxing the unit. Carefully cut down each side of the box to reveal the front of the water heater so you don't need to lift it upwards out of the box.



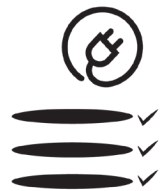
Note that the water heater unit weighs approximately 20 kg/44 lbs so ensure you use proper lifting procedures to avoid hurting yourself.

Put gloves on and carefully place one hand under the front lip of the system next to the filter. This will give you a firm hold and leverage.

Tilting the system away from you, place your other hand under the base of the opposite end. This will ensure you have control of the weight when you lift. Remove from box and place it on the floor.

WARNING: THE EDGES ARE HARD STAINLESS STEEL AND CAN DAMAGE CUPBOARD DOORS OR FURNITURE. HANDLE WITH CARE.

3. Check the installation kit items in the water heater box to ensure they match the content list included.

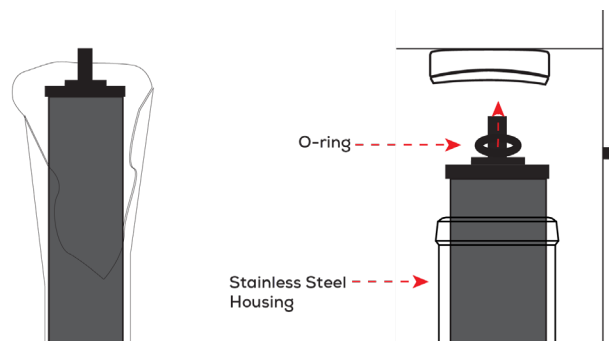


4. Write down the serial number of the water heater control unit in the installation record section of this manual.

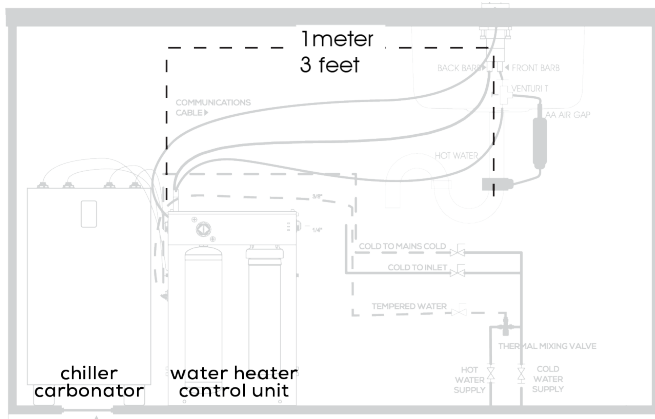
5. Unwrap the carbon filter in the installation kit. Unscrew the stainless steel housing and insert the filter into the housing.

Position both the stainless steel filter housing and filter to fit the filter into the manifold.

Reinstall the filter housing, being very careful not to lose or damage the O-Ring in the filter housing. If the O-Ring is damaged, replace it before reinstalling.



6. The water heater control unit and chiller carbonator must be located underneath the tap/sink or in an adjacent cupboard. The base of the tap should be no further than 1 meter/3 ft away from the left side of the water heater control unit. This is to ensure the communication cable from the faucet to the water heater is not stretched. The chiller carbonator should be sited no closer than 50 mm/2 in to the left of the boiler to allow for air flow and to make connections.



7. Remove the chiller carbonator and vent kit from the packaging. Determine where the chiller carbonator will be placed in the cabinet (note guidelines in item 6 above). The ventilation kit for the chiller carbonator must be installed in accordance with the enclosed instructions.

WARNING: WARRANTY IS VOID IF PROPER VENTILATION IS NOT IN PLACE.

8. Write down the serial number of the chiller carbonator in the installation record section of this manual.

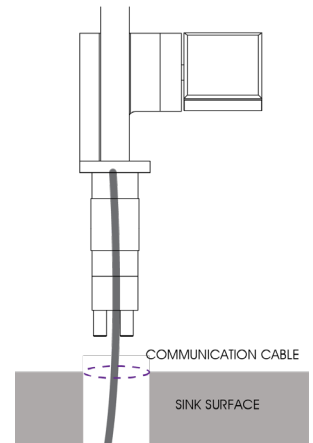
WARNING: DO NOT PLUG IN OR POWER UP ANY COMPONENT UNTIL ADVISED TO DO SO DURING COMMISSIONING.

SECTION B

INSTALLING THE QUATREAU TAP

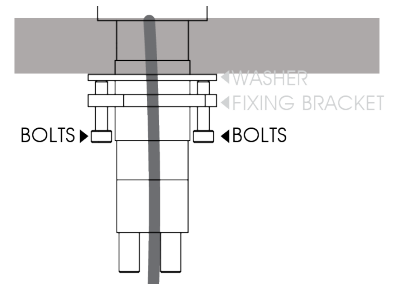
1. Open the tap box. Check to make sure the fixing bracket (nut) and washer are in the package and lay aside.

2. Lift the tap from the packaging and carefully drop the communication ("comms") cable into the tap hole to ensure no pinching or kinking. Then locate the rest of the tap into the hole.



3. Use the washer and fixing bracket provided to fix the tap underneath the work surface.

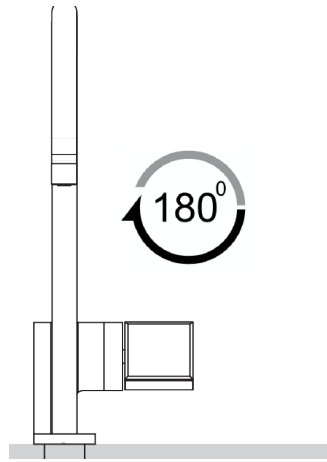
Take care to locate the comms cable into the groove behind the tap base, then slide the washer up over the base followed by the fixing bracket. This will screw onto the thread on the tap base.



Ensure that the comms cable remains situated correctly as you spin the bracket clockwise until it is almost at the top of the thread.

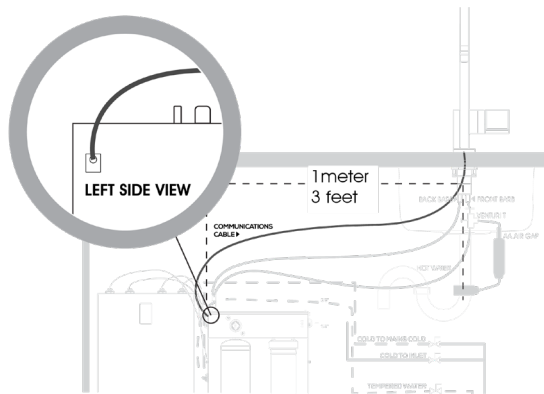
At each side of the fixing bracket, you will see a threaded hole. Using the two bolts provided, thread up into these holes until tight against the washer above. With a flat head screw-driver, tighten each one gently.

4. Position the tap so that the control panel faces forward towards the user position (180 degrees to the sink). Then tighten the bolts until you have a firm fusing on both sides.



The comms cable hangs down and will connect into the left side of the water heater unit during commissioning later on.

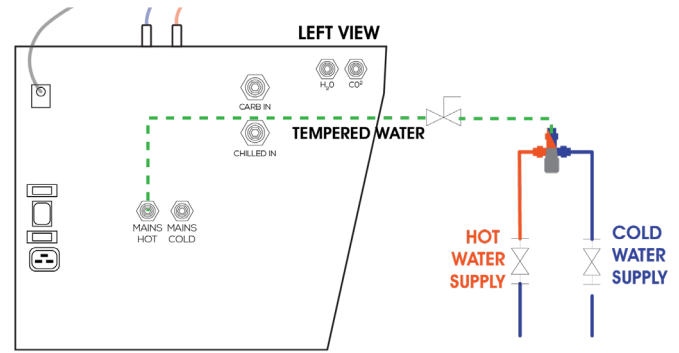
REMINDER: THE WATER HEATER UNIT COMMUNICATIONS PORT MUST BE WITHIN 1M/3FT OF THE COMMS CABLE WITHOUT CAUSING IT TO STRETCH.



SECTION C INSTALLING THE WATER HEATER CONTROL UNIT

REMINDER: DO NOT PLUG IN THE WATER HEATER UNIT UNTIL INSTRUCTED TO DO SO DURING COMMISSIONING.

1. Take feed from the thermostatic mixing valve, which is fed by the mains hot and cold lines. Connect the 1/2" to 3/8" reducer from the installation kit to the thermostatic mixing valve outlet port.

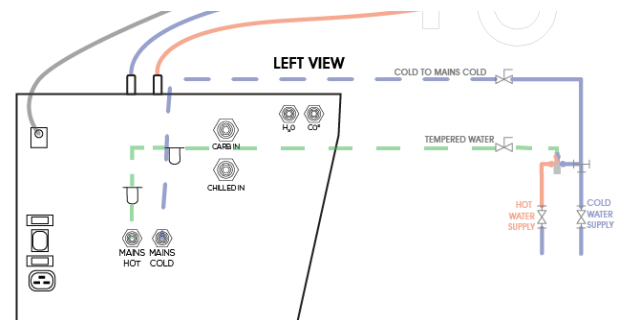


The thermostatic mixing valve will set the hand-hot temperature to the system. You should set the temperature at or below 44° C/111.2° F to prevent scalding. 40° C/104° F is recommended as the ideal setting.

2. Using the 3/8" blue tubing in the installation kit, cut length to connect the 3/8" reducer off the thermostatic mixing valve to the **MAINS HOT** water inlet on the left side of the water heater unit.

Locate an appropriate spot after the mixing valve to install a 3/8" isolator from the installation kit. This will allow you to shut off water in the line if required.

Also find an accessible place in the line after the isolator to add the 3/8" filter strainer prior to connecting the line to the **MAINS HOT** inlet. The strainer may need to be cleaned from time to time so should be located accordingly.

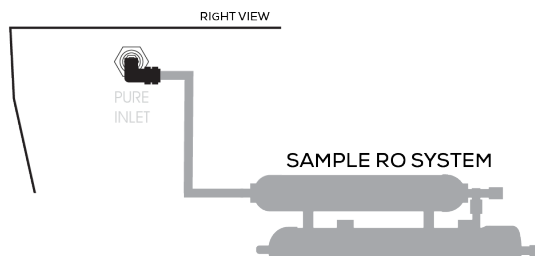


3. From the cold water only supply, add a 1/2" isolation valve. This will control the cold water mains feed and, if not using a reverse osmosis system, the cold water feed to the boiling, chilled and sparkling feed.

Connect the other 1/2" to 3/8" reducer from the installation kit to this cold water isolation valve. Cut a length of 3/8" blue tubing to run from the reducer outlet to the **MAINS COLD** water inlet on the left side of the water heater unit.

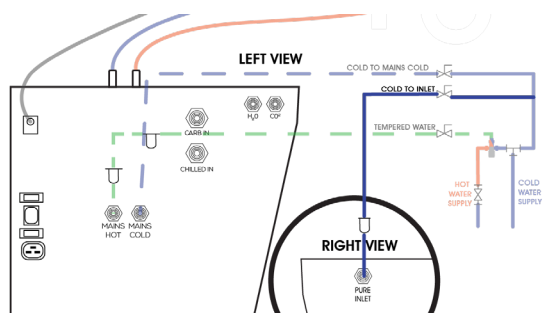
Add the 3/8" isolator and 3/8" filter strainer from the installation kit to the line between the 3/8" reducer outlet and the **MAINS COLD** water inlet and then connect the tubing to the inlet port.

4. The **PURE INLET** port can be fed by either a purifier/RO system or the mains cold water. An RO system is recommended to ensure purified water from the chilled, sparkling and boiling functions.



If using the mains cold water feed, connect the 1/2" to 1/4" reducer from the installation kit to a separate 1/2" outlet off the cold water supply line. Cut a length of the 1/4" blue tubing to run from the 1/4" reducer outlet to the **PURE INLET** on the right side of the water heater unit

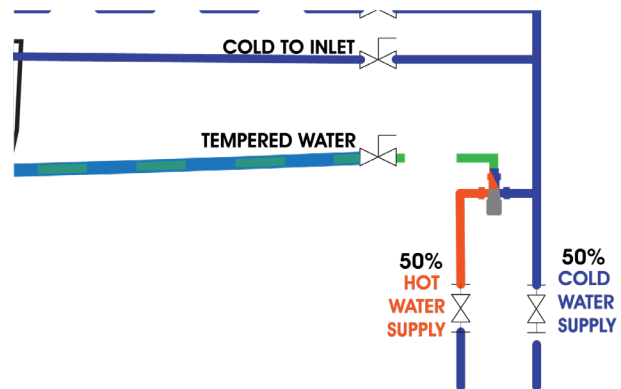
Add the 1/4" isolator and 1/4" filter strainer from the installation kit to the line between the 1/4" reducer outlet and the **PURE INLET** and connect the tubing to the inlet port.



If using RO water to feed the **PURE INLET**, you must ensure a minimum 3 bar/45 psi output from the RO system to the Quatreau system. Some RO units have a maximum pressure of 2 bar/30 psi from the tank when full, so an RO system with a delivery pump set at 3 bar /45 psi is recommended to maintain optimum performance. At no point should the incoming pressure exceed 4.1 bar/60 psi.

As you will use several liters of water to commission the Quatreau system, we suggest you connect to the mains cold water first and then convert to filtered water at the time indicated during commissioning.

5. Once you have connected the feeds from the thermostatic mixing valve and cold water supply, turn both the hot and cold services to 50% open. Make sure the isolation valves are also open to allow water to flow to the unit. These connections feed a robust, one-piece manifold. While a watertight seal should be instantly achieved with the push fittings, it's important to observe and listen for any water escaping.

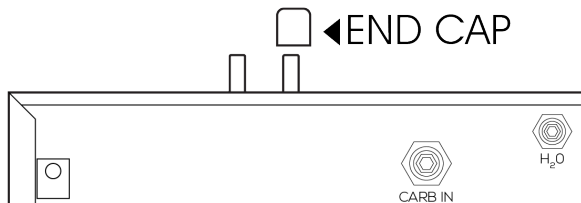


SECTION D

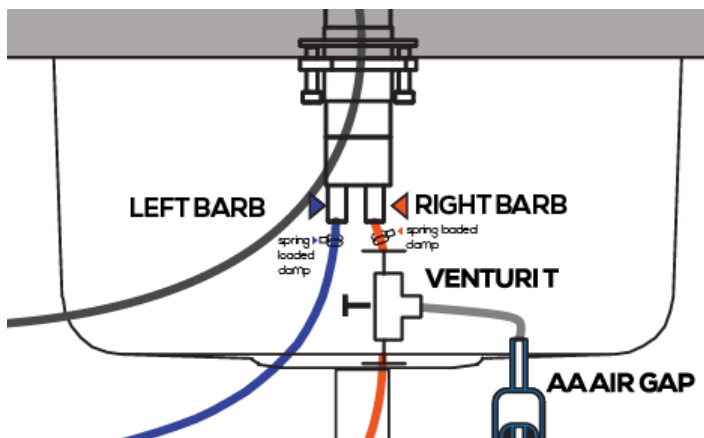
CONNECTING YOUR TAP

Once the tap is in position, you are now ready to connect the tap to the water heater unit.

1. Remove the end cap prior to installing the silicon by compressing the gray collar and lifting up the cap.

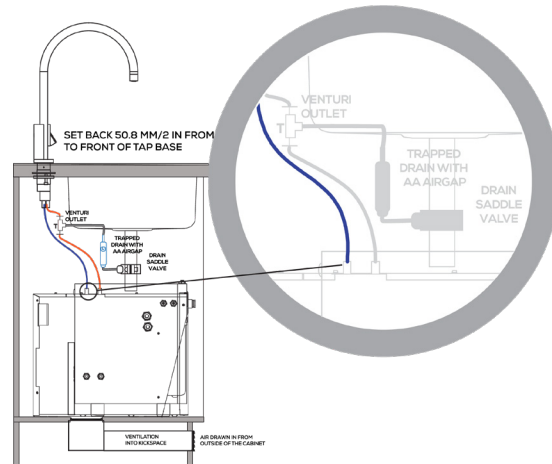


2. Locate the pre-packaged opaque silicone tubes from the installation kit. Connect the tubing with the venturi T assembly to the right barb (when facing the tap assembly) on the underside of the tap. Then connect the single length tubing to the left barb as shown below.

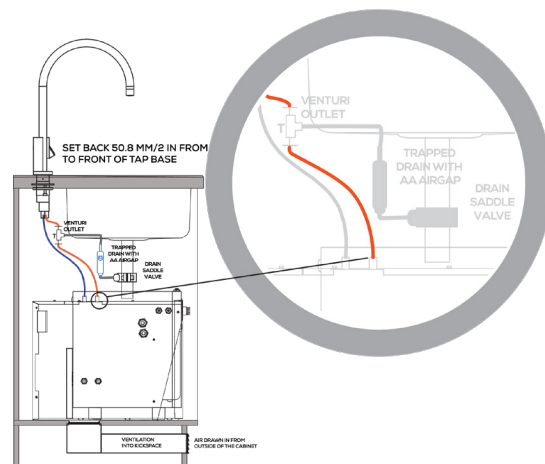


Fix the tubing in place using the spring-loaded clamps included in the fitting kit. Avoiding kinks, make a clean run to the top of the water heater unit.

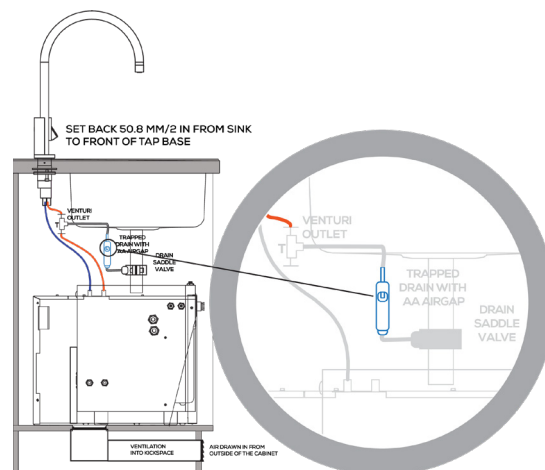
3. The rear manifold stem on the water heater unit feeds the mains hot and cold water to the tap. Take the single length silicone tubing from the left barb of the tap to connect to the rear stem of the water heater as shown below.



4. The front manifold stem on the water heater unit is the boiling, chilled and sparkling water feed to the tap. Use the silicone tubing with the Venturi T from the right barb of the tap and connect to the front stem of the water heater as shown below.



5. The venturi T requires a type AA drain connection in accordance with your local plumbing code.

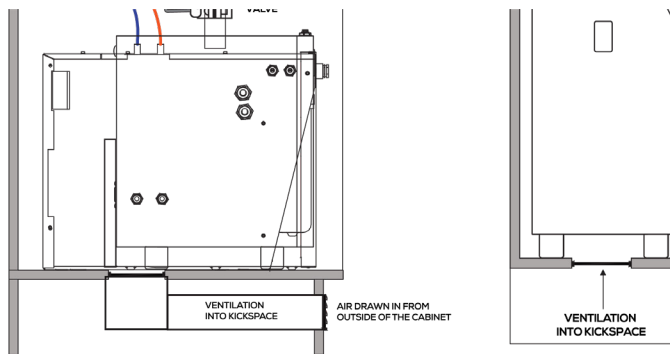


SECTION E

INSTALLING THE CHILLER CARBONATOR

WARNING: DO NOT PLUG IN OR POWER THE CHILLER CARBONATOR UNTIL ADVISED TO DO SO DURING COMMISSIONING.

1. Before installation of the chiller carbonator unit, ensure the ventilation hole is properly cut into the kickspace, the vent and kickboard grill plate are in place, and the ventilation ductwork is installed onto the chiller carbonator. If any questions, please refer to the ventilation kit installation instructions.

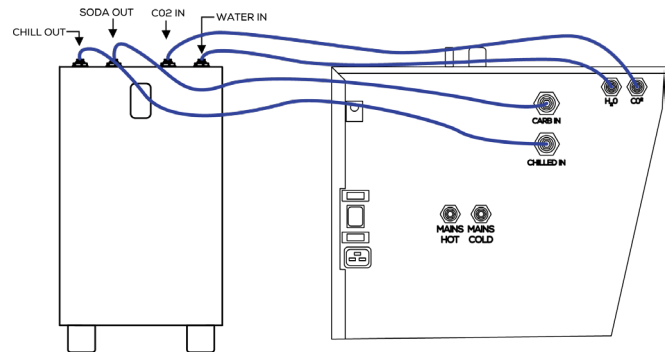


Ventilation will ensure your chiller performs to its specification. **Failure to install proper ventilation will void the warranty on the system.**

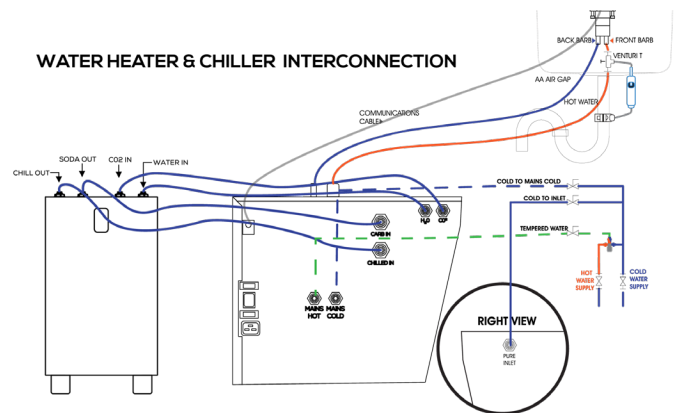
2. The chiller carbonator should be sited to the left of the water heater control unit. Ensure that you leave at least a 25 mm/1" gap around each side of the chiller unit and the cabinet. This enables ventilation and air movement, without which the system will not chill correctly.

3. Use the 1/4" tubing provided to interconnect the water heater and chiller carbonator units as follows:

- H2O OUT to WATER IN
- CO² OUT to CO² GAS IN
- CARB IN to SODA WATER OUT
- CHILLED IN to STILL WATER OUT



WATER HEATER & CHILLER INTERCONNECTION



REMINDER: DO NOT PLUG IN OR POWER UP THE WATER HEATER OR CHILLER CARBONATOR UNTIL INSTRUCTED TO DO DURING COMMISSIONING.

IF ANY QUESTIONS DURING INSTALLATION PLEASE CONTACT THE LOCAL OFFICE FOR YOUR AREA LISTED UNDER WWW.QUATREAU.COM/CONTACT-US

Quatreau® Installation Record

Todays Date:

Owner Name:

Owner Address:

Owner Phone Number:

Owner E-mail:

Date of Purchase:

Proof of Purchase: *(keep copy of purchase receipt)*

Date of Installation:

Note: *Warranty begins at delivery of system, NOT installation.*

Quatreau Supplier Name:
*(*if no receipt available)*

Phone number:

Address:

E-mail:

Installer Name:

Installer E-mail & Phone Number:

QUATREAU UNIT INFORMATION:

Location of Quatreau Unit:
(address)

Type of Site & Installation:
e.g. office, residence, yacht, kitchen, wet bar, gym, pantry, etc.,

Elevation at Site:

Incoming Water Pressure to Unit:

TDS of Water Supply to Unit:
max 120 ppm

Quatreau Model:

☐ QST

☐ QSTD

☐ QT

(Water Heater Control Unit)

Serial number:

Note: Serial number for water heater is located to the left of the CO2 cannister, may also be located in the back of the unit.

(Chiller Carbonator)

Serial number:

Note: Serial number for chiller is on the back panel

Installation Notes:

Distributed by: Global Water Solutions

Find out more at: www.Quatreau.com

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