

INSTALLATION GUIDE

quatreau
Touch



BOILING



CHILLED



SPARKLING



HOT & COLD

MADE
IN GREAT
BRITAIN 

riba
product
selector

n55Plus

CONTENTS**INSTALLATION GUIDE**

INSTALLATION

- UNPACKING YOUR EQUIPMENT
- INSTALLING THE TAP
- INSTALLING THE QT553
- INSTALLING THE CS20
- IMPORTANT INFORMATION

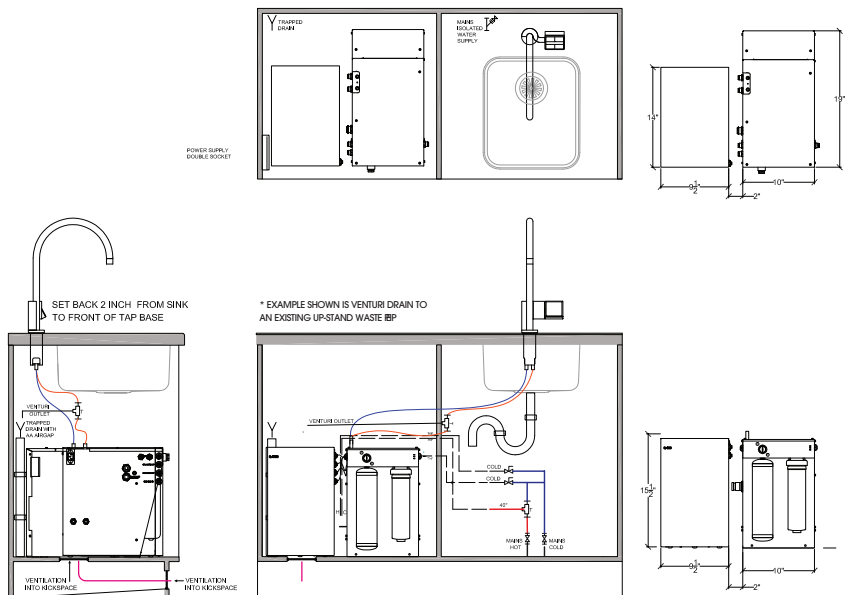
SANITATION AND FILTER

- SANITATION AND FILTER CHANGING PROCEDURE

QUATREAU TOUCH PRE-INSTALLATION CHECK LIST

1. Correct sized hole drilled in worktop 1 37/64" (40mm)
2. Mains Cold Water: 1/2" lever ball valve, located top front right side wall of the cupboard, set back 6" from the door, 20" up from the base.
3. Thermostatic Valve to be installed so that is accessible for adjustment on the same side of the cupboard as the mains cold water supply. Note that this is an addition to the isolated Mains Cold Water that will be used to feed a cold supply to the system.
4. Drainage: An approved Type AA fitting (air gap) must be used for the Venturi waste. Either a trapped upstand or drain clamp can be used or equivalent connection approved in the Country or State of installation.
5. Power: The system requires 2 x 15 amp sockets or one double socket located front left wall of the cupboard, 20" up from the base.

QUATREAU TOUCH TYPICAL INSTALLATION



SECTION ONE UNPACKING YOUR EQUIPMENT

Your systems has been carefully packaged. If the box is damaged upon delivery you should photograph the damage and remove the contents for inspections before signing the delivery note.

STEP 1

Remove the individual box from the main packaging which includes the tap faucet and installation kit and put on a flat surface where it cannot be damaged accidentally.

STEP 2

Remove and inspect QT553

On top of the QT553 you will see two protruding opaque stems, be careful not to damage these outlets. The unit weighs 44lbs so ensure you use the correct lifting procedure (knees bent back straight) to avoid hurting yourself. If in doubt, seek advice before lifting.

Cut down each side of the box to reveal the system so that you don't have to lift it upwards, out of the box. 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 in on the floor.

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

STEP 3

Check the installation equipment and electrical connection that will be in a plastic bag inside the packing. A contents list will explain what should be included and what the parts are used for.

PRIOR TO INSTALLATION WE RECOMMEND THAT YOU REVIEW THE PRE-INSTALLATION GUIDE. THIS PROVIDES ALL THE INFORMATION REQUIRED FOR A SUCCESSFUL INSTALLATION. IF YOU DO NOT HAVE THIS PLEASE REQUEST IT FROM YOUR SUPPLIER.

SECTION TWO INSTALLING THE QUATREAU TAP

ENSURE YOU HAVE FULLY READ THE INSTALLATION GUIDE BEFORE COMMENCING

The boiler control unit (QT553) and chiller carbonator (CS20) must be located underneath the faucet or in an adjacent cupboard no further than 1mtr from the faucet location. This is to ensure the communication cable from the faucet to the QT553 is not stretched.

1. INSTALLING THE QUATREAU TOUCH™

The Touch requires a 1-37/64" (40mm) hole cut into the surface behind the sink or drainer it is going to be used with.

Depending upon the surface you may need special cutting equipment. For granite or marble a diamond tipped core bit will be required. For wood, MDF or polymer type material a wood bit will normally be adequate. Always check with the work surface manufacturer and ask what type of cutting tool can be used.

Decide where the tap is going to sit. Note that the 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.

We typically set back approximately 2" from the back edge to the sink. Your kitchen design will of course dictate whether this is possible.

Before you start cutting ensure that you have set up a jig or a template device to prevent the drill bit moving when you start the cut.

Once the hole is prepared, remove any rough edges or bits of wood and place the tap carefully into the holes ensuring that the comms cable is dropped into the hole first to prevent damage.

Using the washer and fixing bracket provided, you can now fix the tap in place 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 is 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 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.

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

The comms cable hangs down and will connect into the QT553 unit when it is installed. It's essential that the QT553 is located close to this cable without causing it to stretch.

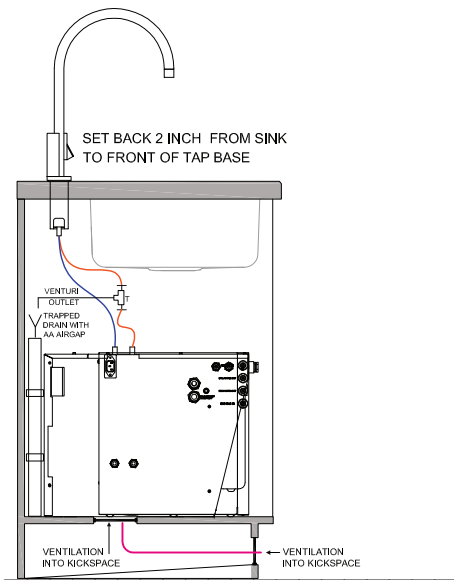
QUATREAU TOUCH CONNECTING YOUR TAP

Once the faucet is in position, you are now ready to connect the tap to the QT553.

1. Remove the end cap from the front manifold stem. Push the collet towards the body of the fitting and pull the cap upwards to release. If unsure how to remove this fitting please refer to <https://www.johnguest.com/speedfit/end-cap/> or search online for John Guest push fit end cap removal.
2. Connect two lengths of platinum cured silicon tube from the fitting kit to the tap stems on the underside of

the tap. Fix in place using the spring loaded clamps included in the fitting kit. Avoiding kinks make a clean run to the top of the QT553 and fix the other ends to the manifold outlet stems protruding from the top of the QT553 as follows:

3. The rear manifold stems is the mains hot and cold water. This connects to the left hand stem of the tap as you look at it inside the cupboard.
4. The front manifold stem is the boiling, chilled and sparkling water. This is connected to the right hand stem as you look at it.
5. The boiling, chilled and sparkling supply must have the Venturi T included (see diagram). The Venturi T requires a Type AA drain connection in accordance with your local plumbing code.



DO NOT TURN THE POWER ON TO YOUR SYSTEM UNTIL YOU HAVE READ THROUGH THE COMMISSIONING STAGES IN THE NEXT SECTION. POWERING UP IS PART OF THE COMMISSIONING SEQUENCES. DAMAGE MAY OCCUR IF YOU FAIL TO FOLLOW IT CAREFULLY

QUATREAU TOUCH INSTALLING THE QT553

STEP 1

Take feeds from the thermostatic mixing valve which is fed by the mains hot and cold feeds. Connect the John Guest 1/2" to 3/8" reducer from the installation kit to the temperature-controlled outlet port. This is where you will set your hand-hot temperature and flow rate to the system, we recommend adding adjustable valves before the thermostatic valve to allow for flow rate adjustment if the thermostatic valve does not support this (this will maintain temperature at or below 111.2°F).

Using the 3/8" blue pipe enclosed cut length to feed the hot mains water inlet on the left side of the Qt553 module.

As part of this installation you will also install a separate cold water supply with 1/2" isolation valve. This will control the cold water mains feed to the left and the smaller 1/4" cold feed into the front right hand side of the QT553.

Connect a John Guest 1/2"-3/8" reducer to this cold isolation valve and run a

length of blue 3/8" PE pipe ready for connection to the cold mains water inlet alongside the hot water inlet.

To create the secondary cold inlet feed connect the 3/8" pipe at the closest point to isolator and run a length of 1/4" pipe to the pure inlet on the right hand side of the QT553. Also connect the 1/4" isolation valve just before the inlet. This will be used for control purposes.

STEP 2

With the QT553 module on the right hand side of the cupboard connect the thermostatic hot and the mains cold connections as per previous step (step 1).

Once you have connected the feed from the thermostatic mixing valve to the QT553 unit turn both the hot and the cold services until 50% open. These connections feed a robust, one piece manifold. Whilst a water tight seal should be instantly achieved with the push fittings, it's important to observe and listen for any water escaping.

Now connect the cold water feed to the right hand side of the QT553 using the 1/4"PE pipe provided. The speed fitting will make a water tight seal when the pipe is pushed firmly into the port labeled PURE INLET. Note that this can be fed by a purifier or mains cold water.

If using a purifier to feed the system ensure it has been commissioned with a 50psi react switch prior to connection. You will use several liters of water to commission the Quatreau system so it is sensible to commission with mains water first then convert to pure once the system has been purged.

QUATREAU TOUCH INSTALLING THE C20

Before installation of the chiller unit, refer to the cutting template enclosed with the chiller. A ventilation hole is cut in the base of the cupboard and the vent pipe run to and cut into the kick board using the ventilation grill provided. See Pre-Installation guide for more information.

Ventilation will ensure your chiller performs to its specification. Failure to install this will void the warranty on this module. The Quatreau chiller carbonator is sited next to the QT553. Usually this will be to the left of the QT553

Use the 1/4"PE pipe provided to interconnect the QT553 and CS20 units as follows.

- From the QT553 to the CS20
- H₂O OUT to WATER IN
- CO₂ OUT to CO₂ GAS IN
- CARB IN to SODA WATER OUT
- CHILLED IN to STILL WATER OUT

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

IMPORTANT INFORMATION

TECHNICAL DETAIL	QUATREAU QT553	CHILLER CARBONATOR CS20
POWER REQUIREMENTS (RCD Protected)	1 x 15A socket	1 x 15A socket
VOLTAGE	110V	110V
WATTAGE Max consumption Standby consumption	1.5 KW 80W	296W 100W
START UP TIME	10 minutes	10 minutes
MAX WORKING PRESSURE	30 psi	30 psi
CO2 CAPACITY		100ltrs carbonated water

INSTALLATION DETAIL	
INSTALLATION DATE	
INSTALLATION NOTES	
CONTACT	www.QuatreauUSA.com

SANITATION AND FILTER CHANGE PROCEDURE

To sterilize the boiler and chiller system and change filter at service intervals use the following procedure.

- 1 Isolate the water running to the 553-B
- 2 Run chilled and boiling water at the tap to ensure no water is coming out
- 3 Unscrew stainless steel filter housing taking care not to spill the water as it comes loose. (use a cloth) Carefully unscrew the filter attached inside by unscrewing the plastic rim.
- 4 Pour out the water and remove the filter – then add some water and add a capful or two of Milton sterilizing fluid or chlorine so that you have a 5ppm dilution approx.
- 5 Refit the housing to the system and activate the water supply.
- 6 Run the water through the boiling chilled and sparkling function until you can smell chlorine in the water.
- 7 Isolate water, runoff pressure through chilled / boiling function then remove the stainless housing again.
- 8 Half-empty the water and insert the F-PRO Block carbon filter (remove wrapper) into the housing so it bobs up and sticks out of the top.

NOTE: Should tests for micro-organisms reveal high colony counts from the chiller, run this sanitization application whenever required, at all service intervals and with every installation. For installers you may choose to chlorinate Chillers before delivery to site for additional contact time thereby eliminating bug counts.

- 9 Offer the housing back up to the filter head so that the filter lines up with the internal thread.
- 10 Holding the filter by the top rim only (not the carbon) carefully screw it up into its socket and tighten using fingers only.
- 11 Now refit the filter housing carefully until hand tight.
- 12 Ideally you will leave the chlorine in the chiller unit for a good 15 minutes before flushing through
- 13 When ready switch the water supply back on and run off a few glasses through the chiller until it clears.
- 14 Repeat with the boiler and carbonator.
- 15 A residual taste isn't a bad thing – it will disappear after a few glasses of water but will maintain a sanitizing effect.