

INSTALLATION GUIDE

quatreau
Touch



BOILING



CHILLED



SPARKLING



HOT & COLD

MADE
IN GREAT
BRITAIN



riba
product
selector

n55Plus

PUREH2O
MAKING THE DIFFERENCE

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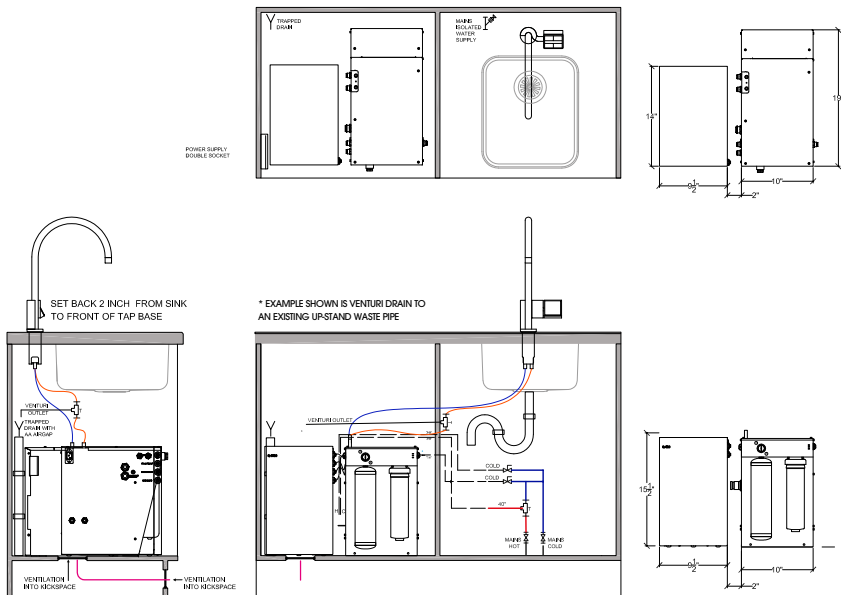
INSTALLATION

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

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 cupboard, set back 6" from door, 20" up from base.
3. Thermostatic Valve to be installed so that it is accessible for adjustment on the same side of the cupboard as the mains cold water supply. Note that this is in 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 15amp sockets or one double socket located front left wall of cupboard, 20" up from 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 inspection 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 of 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 hole 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 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.

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 fixing 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.

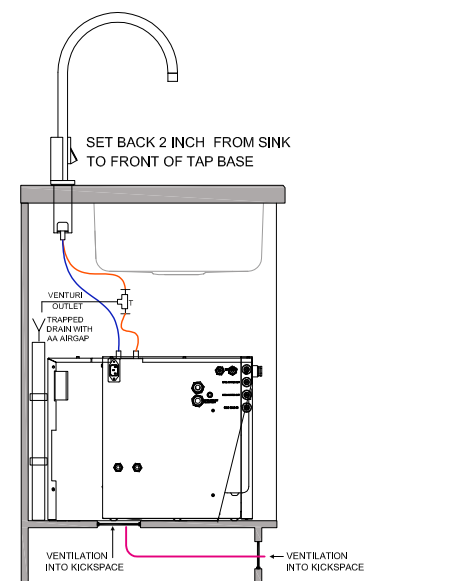
QUATREAU TOUCH CONNECTING YOUR TAP

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/product/cts-jg-twist-lock-fittings/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 stem 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 a 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 a 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" reducing T into the same 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 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, its 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 deact switch prior to connection. You will use several litres 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 | 1.5KW 80W | 296W 100W |
| START UP TIME | 10 minutes | 10 minutes |
| MAX WORKING PRESSURE | 30 psi | 30 psi |
| CO2 CAPACITY | | 100ltrs carbonated water |

| | |
|---------------------|--|
| INSTALLATION DETAIL | BY AUTHORISED PURE H2O TECHNICIAN ONLY |
| INSTALLATION DATE | |
| INSTALLATION NOTES | |
| CONTACT | www.QuatreauUSA.com |

INSTALLATION