

INSTALLATION GUIDE

quatreau
Touch



BOILING



CHILLED



SPARKLING



HOT & COLD

MADE
IN GREAT
BRITAIN

riba
product
selector

n55Plus

PUREH2O™
THINK PURE DRINK PURE

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INSTALLATION GUIDE

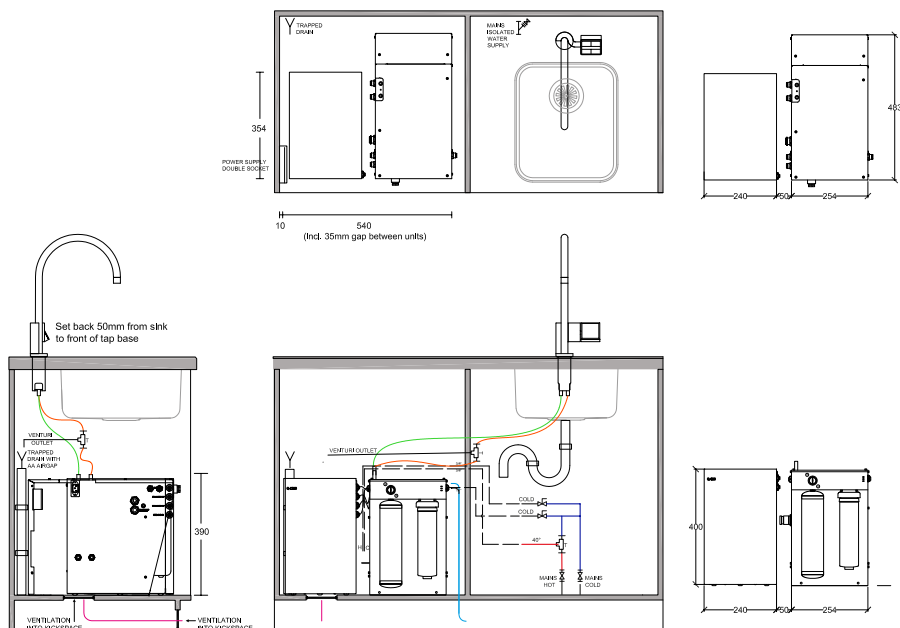
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QUATREAU TOUCH: PRE-INSTALLATION CHECK LIST

Please read the installation notes on the last page of this manual.

1. Correct sized hole drilled in worktop i.e. 40mm set back approx 50mm from back edge of sink
2. Mains Cold Water: 1/2" lever ball valve, located top front right side wall of cupboard, set back 150mm from door, 500mm 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, 500mm up from back set back approx 150mm.
6. Ventilation for the chiller unit must be cut into the base of the cupboard before starting the installation. Templates are included in the Pre-Installation Guide and a paper template will be inside the packing box of the chiller unit.

QUATREAU TOUCH TYPICAL INSTALLATION



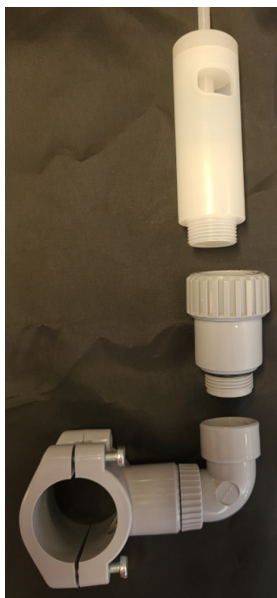
QUATREAU TOUCH TYPE AA AIR GAP*

The drain out device is an essential and mandatory component for Quatreau® tap installations.

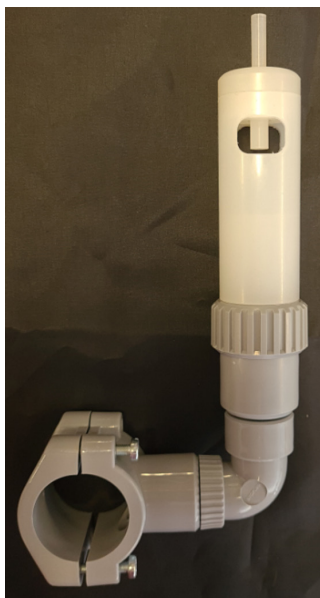
- Shown here (top right) connected to the tap Venturi™ on the boiling pipe feeding **SmartTap** or boiling chilled sparkling pipe feeding the **TouchTap**.
- It is designed to create an air gap preventing reverse migration of waste water into a potable water device.
- The interconnection pipe must run downhill (as shown here) into the Airgap connection.



Stage 1 the Type AA airgap connection is a mandatory level of protection for potable water devices requiring a run off to drain.



Stage 2 provides a secondary non return valve in the grey adaptor whilst stage 2 provides an air gap between water being drained off and the foul waste.



Stage 3 is the Drain Out Kit connection saddle for 32mm or 40mm waste connection. Manual piercing device included in the kit.

* Compliant with UK Water Regulations

TYPE AA AIR GAP

SECTION ONE

UNPACKING YOUR EQUIPMENT

Your system 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

The system comes in 3 separate boxes; the TouchTap, the QT553-B (boiler control unit) and the CS20/50 Chiller Carbonator.

STEP 2

Remove and inspect Q553-B

On top of the QT553-B you see two protruding opaque stems, be careful not to damage these outlets. The unit weighs 18kg so ensure you use the correct lifting procedure

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 at the top of the filters, 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 AND STUDY THE INSTALLATION NOTES ON FINAL PAGE BEFORE YOU START. 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

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

1. INSTALLING THE QUATREAU TOUCH™

The Touch requires a 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 50mm 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 recessed into the cable channel to avoid damaging it 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.

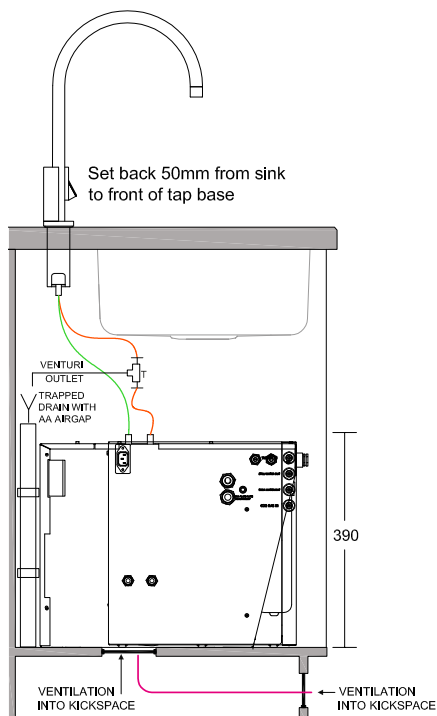
The comms cable hangs down and will connect into the QT553-B unit when it is installed. It's essential that the QT553-B is located close to this cable without causing it to stretch

QUATREAU TOUCH CONNECTING YOUR TAP

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

1. Remove the end cap from the front manifold stem. 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. You will find 2 lengths of silicon pipe in the fitting kit, one pre assembled with a Venturi T piece. The longer section connects to the front outlet on top of the boiler control unit whilst the shortest pipe fits onto the underside of the tap base (on the right hand connecting stem). Fix in place using the spring loaded clips included in the fitting kit.
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. This is one continuous run from boiler control unit to the tap. It doesn't need a drain off device.
4. 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-B

STEP 1

A thermostatic mixing valve should be connected to the mains hot and cold supply and adjusted to feed a regulated 40C supply. Included in the fitting kit is a 1/2"x 3/8" reducer. If your valve has a

different outlet find a suitable reducer to adapt to 3/8"

Using the 3/8" blue pipe enclosed cut a length to feed the hot mains water inlet on the left side of the QT553-B module.

As part of this installation you will also install a separate cold water supply. Included in the fitting kit is a 1/2" x 3/8" reducer to adapt to the correct pipe size. The 3/8" isolators also included can be fitted to make it simpler to adjust flow for mains hot and cold if the thermostatic valve is out of reach. This will control the cold water mains feed that is fitted to the left rear low level fitting (labeled cold mains inlet). It will also feed the Pure inlet on the front top right hand side of the boiler control unit. (Alternatively an RO Water supply can be used for this - see notes for more details) to the left and the smaller 1/4" cold feed into the front right hand side of the QT553-B.

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-B. Also connect the 1/4" isolation valve just before the inlet. This will be for control purposes.

STEP 2

With the QT553-B 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-B 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-B. 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 either 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.

Connect the communications cable to the comms port found to the left side of the boiler unit at the back. Push gently until it clicks in. Connect the power lead but do not turn on at this stage.

QUATREAU TOUCH INSTALLING THE CS20

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-B. Usually this will be to the left of the QT553-B.

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

- From the QT553-B 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 50mm gap around the sides of the chiller unit - this enables ventilation and air movement without which the system will not chill correctly.

**DO NOT POWER UP EITHER SYSTEM
UNTIL YOU READ THE COMMISSIONING
INSTRUCTIONS. APPLYING POWER TO
THE CHILLER UNIT WILL DAMAGE THE
CARBONATER WILL DAMAGE THE PUMP**

IMPORTANT INFORMATION

TECHNICAL DETAIL	QUATREAU 553-B	QUATREAU CHILLER CARBONATOR CS20
POWER REQUIREMENTS (RCD Protected)	1 x 13A socket	1 x 13A socket
VOLTAGE	220V	220V
WATTAGE Max consumption Standby consumption	1.5KW 80W	296W 100W
START UP TIME	10 minutes	10 minutes
MAX WORKING PRESSURE	Max 4Bar (Min 2Bar)	30 psi
CO2 CAPACITY		100ltrs carbonated water

INSTALLATION DETAIL	BY AUTHORISED QUATREAU TECHNICIAN ONLY
INSTALLATION DATE	
INSTALLATION NOTES	Installation of the Quatreau Touch is best achieved using the following sequences: 1. Site the equipment to check it all fits, chiller to the left of the boiler. 2. Install the TouchTap (note the comms cable must reach the boiler control unit). 3. Install Thermostatic mixing valve and set to maximum temperature then reduce by 1/2 turn for 40C set point. Connect the hot and cold feeds with isolators. 4. Install Drain off saddle with type AA air gap (rear left corner of cupboard). 5. Cut the ventilation for the chiller. 6. Fit the boiler control unit using the silicon hoses included in the kit. 7. Connect the mains hot and cold to the left side of the boiler and test for water tightness. 8. Connect the cold feed to the top front right side of the boiler and activate testings for water tightness. 9. Connect power cable but do not turn on. 10. Connect the comms cable from the TouchTap. 11. Fit the chiller unit and make all interconnections pure outlet and CO2 outlet into boiler and the chilled and sparkling outlets back into the boiler. Then read the commissioning Instructions.
CONTACT	www.quatreau.com

INSTALLATION