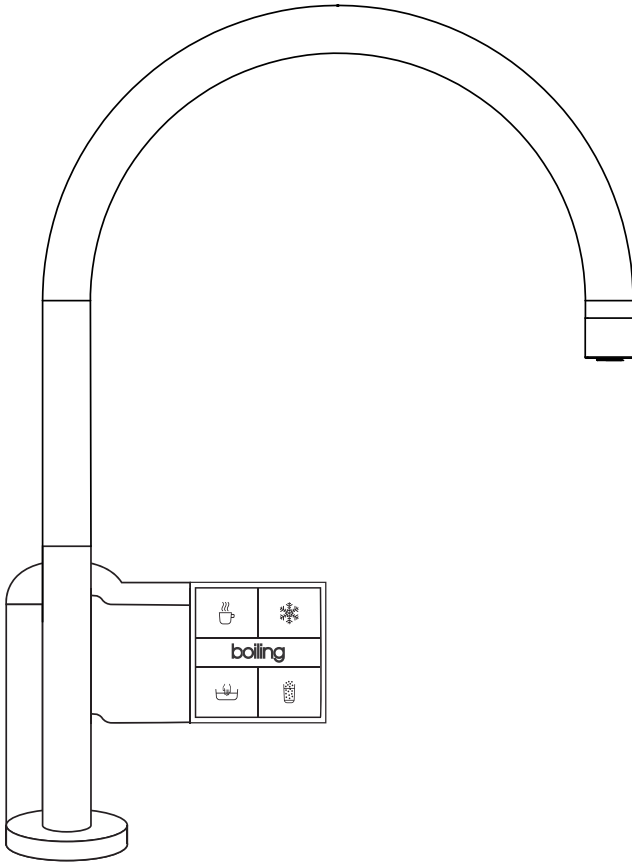


COMMISSIONING MANUAL

QT/QST553 Water Heater Control Unit
CS20-A Chiller Carbonator



BOILING



CHILLED

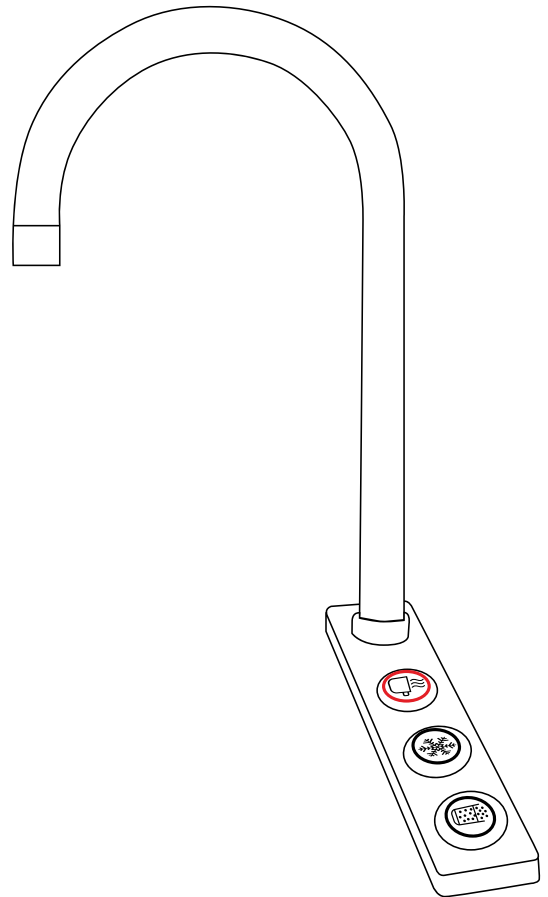


SPARKLING



HOT & COLD

quatreau
TouchTap™



BOILING



CHILLED



SPARKLING

quatreau
SmartTap™

quatreau®
Collection

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QUATREAU COLLECTION COMMISSIONING MANUAL

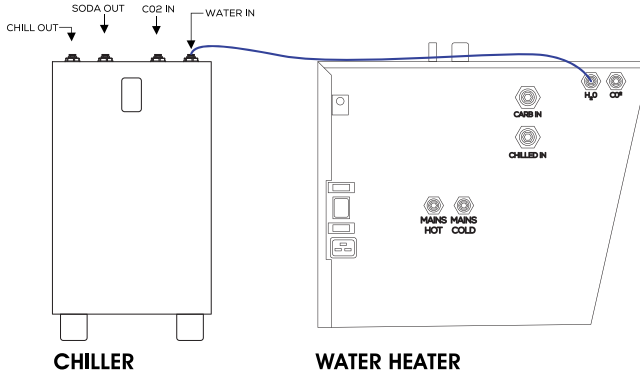
QT/QST553 Water Heater Control Unit CS20-A Chiller Carbonator

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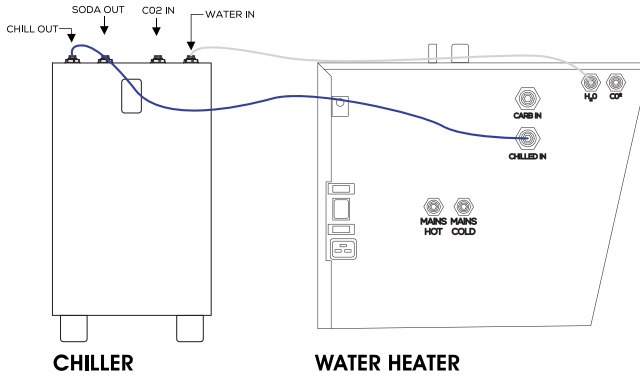
QUATREAU COLLECTION BEFORE YOU START

Note: Before you start, the following interconnections must be made between the water heater and the chiller.

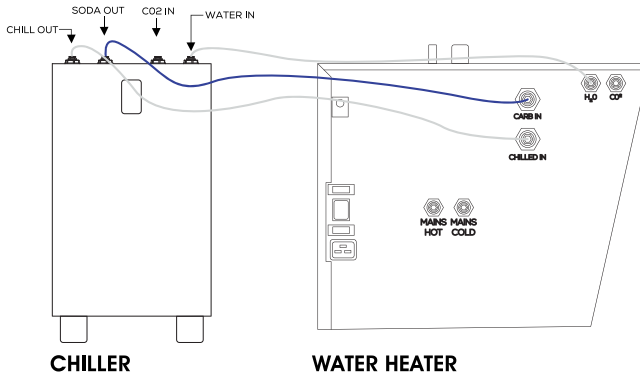
1. The **H2O** (left side of the heater) is connected to the **WATER IN** on the chiller.



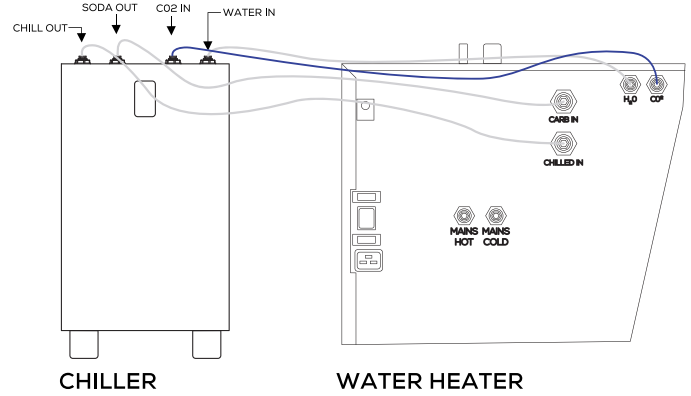
2. The **CHILLED IN** on the left of the water heater is connected to the **CHILL OUT** on the chiller.



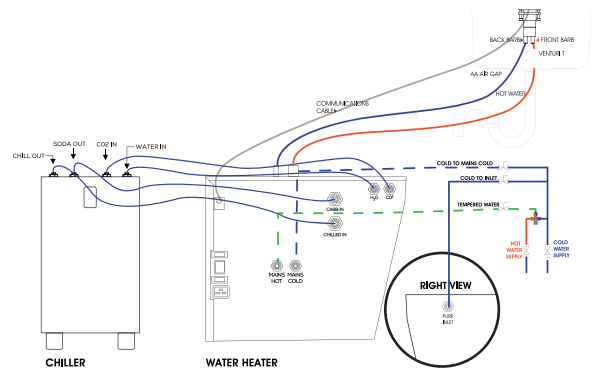
3. The **CARB IN** on the left of the water heater is connected to the **SODA OUT** on the chiller.



4. The **CO₂** on the left of the water heater is connected to the **CO₂ IN** on the chiller.



5. Connect the cold water supply to the **PURE INLET** connection on the right side of the water heater.



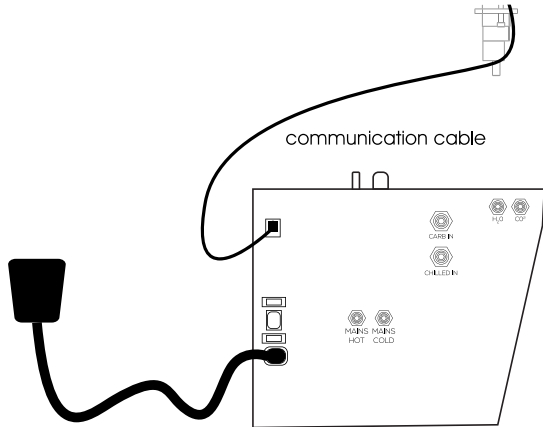
We recommended using a reverse osmosis (RO) system on the cold water supply to ensure quality drinking water. If you are using an RO system, please continue commissioning as below and switch to the RO feed when you get to Section D.

6. For **TouchTap™** models, you will also connect the cold water supply and thermostatically controlled hot water supply to the inlets found on the lower left side of the water heater marked **MAINS HOT** and **MAINS COLD**.

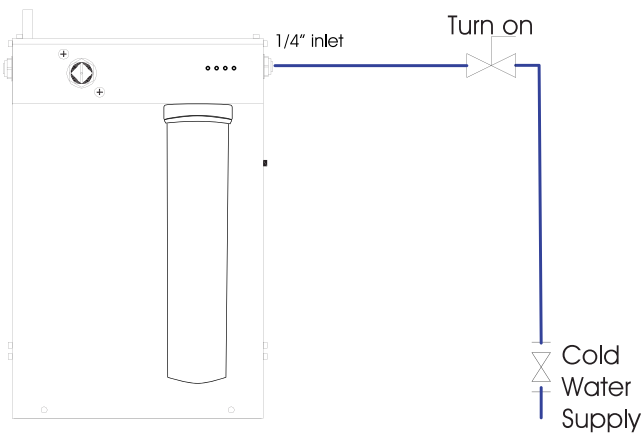
WARNING: Do not plug in the water heater or chiller until instructed to do so.

SECTION A: Commissioning Sequence for Quatreau TouchTap™ and SmartTap™ Water Heaters (553)

1. Connect the communications cable from the tap to the water heater.

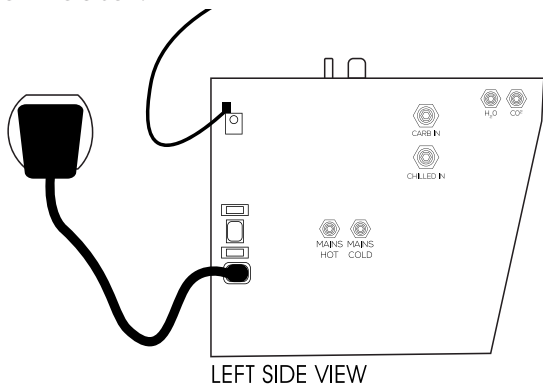


2. Turn on the cold water supply to the 1/4" inlet on the front right side of the water heater.



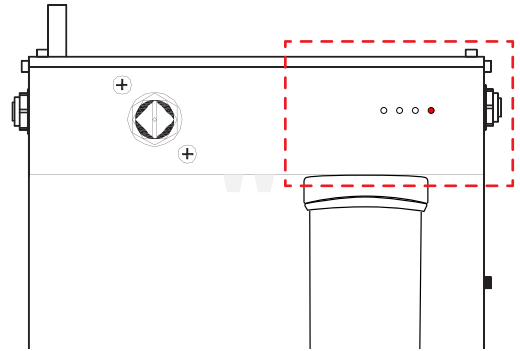
FRONT VIEW

3. Connect the power cable provided for the water heater.



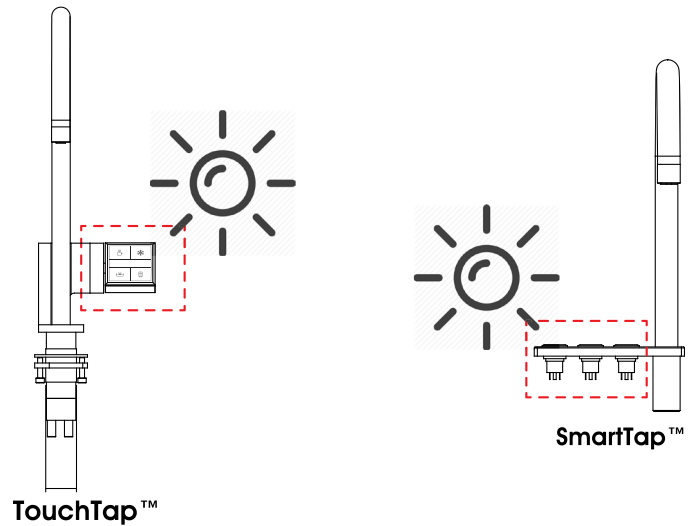
LEFT SIDE VIEW

4. Power up the water heater. A red light will show on the top right of the water heater.



5. Look for the **TouchTap™** panel's four (4) quadrants to illuminate and then turn off.

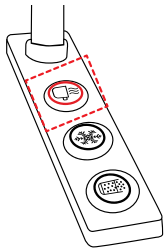
If a **SmartTap™**, look for buttons on the panel to light.



Note: If you do not see the panels light up, please check if the communications cable is connected properly.

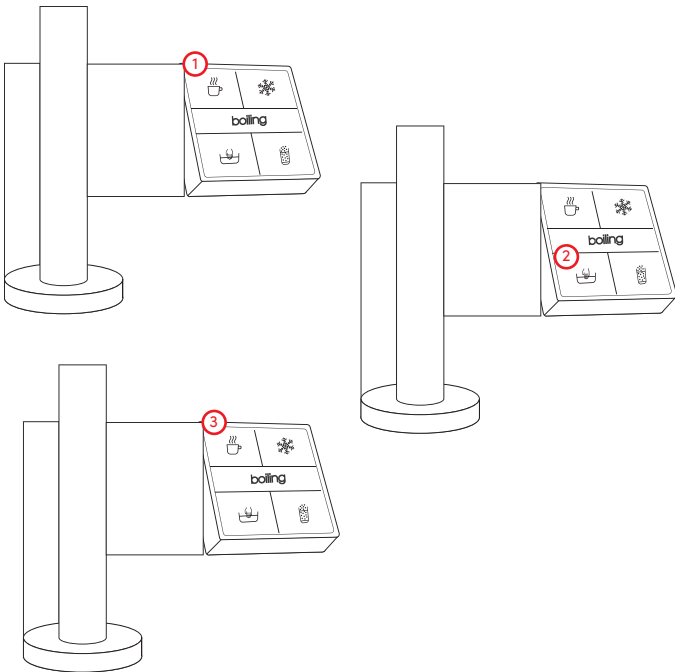
WARNING: To not damage the water heater, **as soon as the unit is powered up**, run water through the boiling function four times as shown in point 6 below.

6. Activate the boiling flow at the tap control immediately after powering up.



If you have the **SmartTap™**, press the red illuminated button to start the boiling function.

If you have the **TouchTap™**, this is a 3-touch sequence to activate the boiling function shown below.

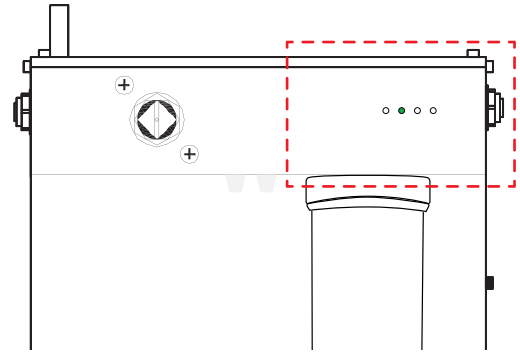


7. Allow water to run for approximately thirty (30) seconds, then deactivate.

8. Wait for one (1) minute and repeat, allowing water to flow for sixty (60) seconds.

Repeat this process three (3) times.

9. When the green light on the water heater unit appears and the red light goes out, the water heater has reached its temperature. Your water heater unit is now commissioned and ready for use.

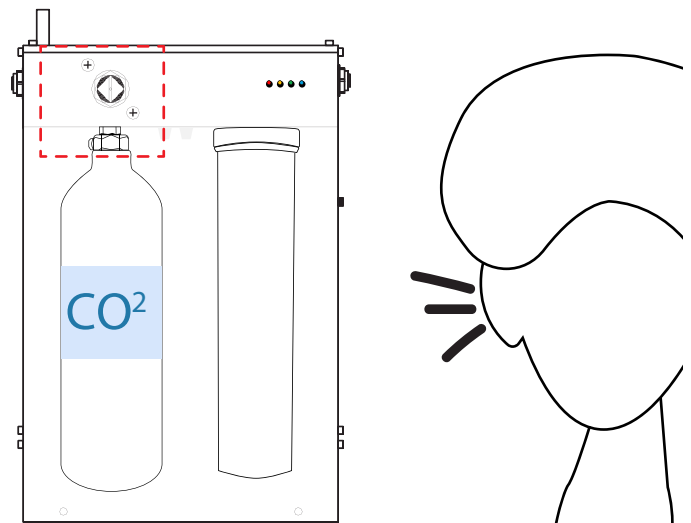


NOTE: You will see/hear water running through the Venturi T to drain during this process. This device enables the water heater to vent safely to drain during expansion and also removes any water left in the spout after use.

SECTION B: Commissioning the Chiller Carbonator CS20-A

**DO NOT PLUG IN CHILLER UNTIL
INSTRUCTED TO DO SO.**

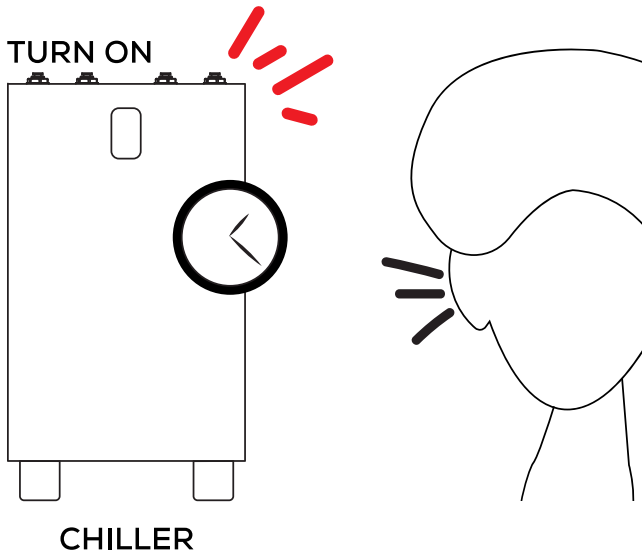
1. Connect the CO₂ bottle to the regulator found on the front of the water heater unit. Listen for gas escaping and keep twisting the bottle until it stops. Stop when the bottle is hand tight.



NOTE: If you don't hear the air escaping, there's no gas in the bottle.

DO NOT POWER UP YET.

1. Press the chilled (❄️) water button to dispense water until all air has been purged from the system. No sparkling water can be dispensed until the unit is powered.
2. Once all air has been purged from the system, connect the unit to the electrical supply and turn on. The compressor and fan will start.




3. The compressor and fan in the chiller unit will continue to run until the temperature is reached. This should take approx. 10-15 minutes depending upon the temperature of the incoming mains water supply.

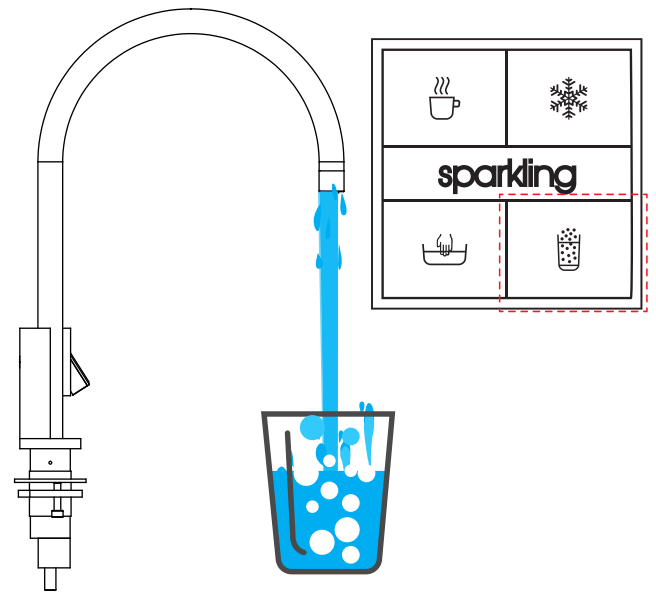
4. When the fan and compressor have stopped, activate the sparkling function by pressing the sparkling water icon. You should hear the pump come on while you run off one (1) glassful of water.

Press the sparkling again to deactivate and wait for the pump to stop.

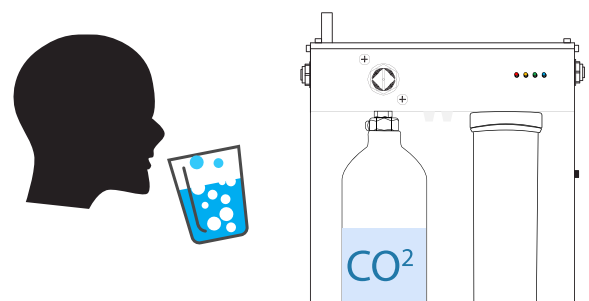


 Repeat this process for two (2) more glasses of water. (The saturation of CO₂ is at its optimum below 4°C/ 40°F).

Wait a few minutes until the chiller fan and compressor turn off. At this point, the cold water should be at 40°F (4.4°C).

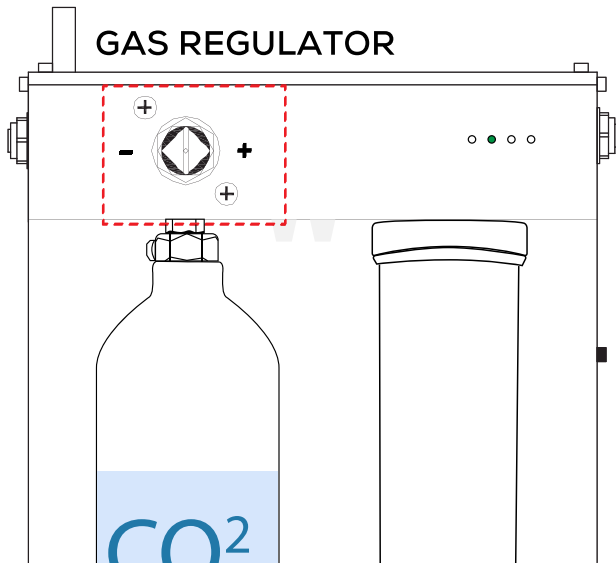


Taste the sparkling water. If needed, you may adjust the regulator to add more CO₂.



SECTION C: Adjusting the level of carbonation in the Chiller Carbonator

1. On the front of the water heater unit, you will find the gas regulator and instructions for increasing the level of carbonation.



2. When adjusting, make 1/4 turn adjustments in the desired direction (+/-).

3. After an adjustment, repeat the process in Section B, item 4.

SECTION D: Recommended Operation with Reverse Osmosis Water Supply

To feed your Quatreau system with water from a reverse osmosis (RO) system:

1. Install the RO system per manufacturing instructions.

2. Ensure that the storage tank is full.

3. The optimum operating pressure from the RO system to the water heater and chiller is 3bar / 45psi. Some RO systems have a maximum pressure of 30 psi from the tank

when full. You will therefore need to install a delivery pump set at 3bar/45 psi to maintain optimum performance. At no point should the incoming pressure exceed 4.1bar/60 psi.

4. Change the mains feed into the front right side of the water heater **PURE INLET** to your RO feed.

NOTE: Starvation of water will damage the water heater. Do not run the Quatreau if the RO system has run out of water or the incoming water pressure drops below 1bar/15 psi. This invalidates the twelve (12) month limited warranty.

SECTION E: QUATREAU TOUCHTAP™ ONLY Optimum Setting for Mains Hot & Cold

Adjust the flow rate of the mains hot and cold down to a point where it doesn't splash when washing hands. The flow should be smooth, calm and have the appearance of a cone at the point where it falls from the faucet.

If you need to adjust the hand hot temperature, this needs to be done through your thermal mixing valve external to the Quatreau system.

Find out more at: www.Quatreau.com