



AquaCafe® CT

Installation and Care Manual

Always check the following link for the latest revision

<https://docs.zoho.com/folder/hhowt1f78434b67574663a33cf14999807e0a>



INSTALLATION AND CARE MANUAL

AquaCafé® CT Specifications

Voltage	110-120VAC 60Hz
Power	12.5A, 1500W
Reservoir	1 Gal / 128Oz / 3.79L
Size	W (11.58" / 29.4cm) D (21.34" / 54.2cm) H (15.75" / 40cm)



General Information

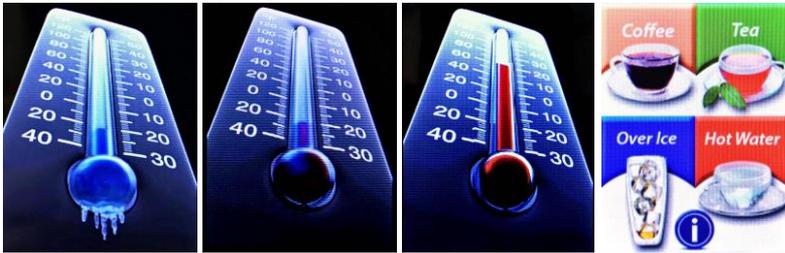
1. This brewer should only be used with known potable water.
2. This brewer to be used indoors only.
3. This brewer must be installed on a level surface.
4. Do not locate this brewer in direct sunlight or next to a heat source.
5. Do not install or store this brewer in area that may freeze.
6. This brewer is intended to be plugged into a 3-prong GFCI receptacle. The brewer should be installed within 6 feet of a power source. Never use extension cords.
7. If this brewer will be used as Point of Use located within 25 feet (7.62m) of a potable water source, water supply pressure must not exceed 80 psi (5.5 bar / 0.55 MPa). Always install the included inline pressure regulator to prevent damage to the float kit mechanism should water pressure spike above 100 psi (6.9 bar / 0.69 MPa).
8. If the brewer will not be used for an extended period, e.g. a long holiday, open the brew chamber to eject the spent pod.
9. Before brewing the first cup of coffee for first use, or returning from a long holiday, rinse reservoir manually with fresh drinking water, brew 3 cups of large coffee without pod and then dispense 2 cups (500ml) of hot water from the hot water function to rinse the system.

Set-up Instructions

1. Unpack the AquaCafe CT. Locate the pressure regulator, hanging bracket and pour over version parts packed in the waste bin.
2. Remove the blue locking clips from the pressure regulator inlet and outlet ports. Check the flow direction mark on the pressure regulator and then connect the water source to the inlet port, and the 1/4" tubing from the float kit to the outlet port. Secure the tubing connection with the blue locking clips.

View regulator mounting at <https://youtu.be/7XhXDFWw2o>

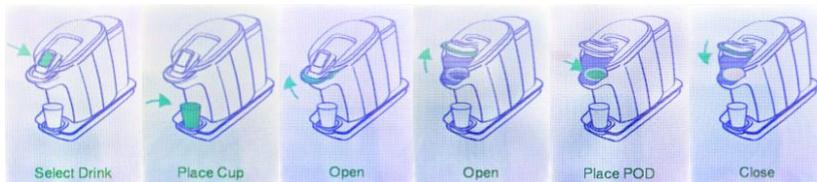
3. Please refer to below links for conversion if a pour over reservoir is a desired option.
AquaCafe CT Float kit removal <https://youtu.be/i5dhWhNt2oE>
AquaCafe CT Tank handle installation <https://youtu.be/vRkT-xYT6Lw>
4. Ensure the reservoir sits flush and tight on the base before turning on water source or after installing a filled pour over tank. Turn water supply on. Check for any leaks.
5. Once the reservoir is filled, plug the AquaCafe CT into a grounded 3 prong electrical outlet (DO NOT USE AN EXTENSION CORD).
6. Turn the power switch located on the rear top of the brewer to on. For an initial installation, AquaCafe CT takes approximately 1 min to prime the hot tank. Once the hot tank is primed, it will heat up the water to the set temperature and be ready to brew in about 5 minutes.
7. During the heating process, a thermometer icon will display to indicate status. Once the set temperature is reached, the Home screen will be displayed and the AquaCafe CT is ready to brew.



8. Perform a hot water sanitization:
 - a) Without using a Pod, brew and discard three large cups of hot water using the “Large Coffee” option. Dispense and discard a cup of hot water by using the “Hot Water” option.
 - b) Allow reservoir to refill or refill manually for a pour over. Turn off water supply.
 - c) Without using a Pod, brew and collect five cups of hot water by using the “Large Coffee” option and dispense hot water by using the “Hot Water” option till most of the water in the reservoir is consumed.
 - d) Remove and empty the water reservoir. Fill the water reservoir with the hot water collected and reinstall the reservoir.
 - e) Brew one cup of large coffee without using a coffee pod or dispense a large cup of hot water. Discard all water.
 - f) Remove and empty the reservoir.
 - g) Reinstall the water reservoir, open the water supply line or manually refill the tank.
 - h) The unit is now ready to brew coffee and tea.

Brewer Use

1. Open the brew chamber preferably by placing 4 fingers on top of the brew chamber and lifting up the silver handle by using the thumb. Once the brew chamber latch is released, let go of all fingers. The brew chamber will spring open and any used pod will be ejected into the waste bin.
2. Remove coffee or tea pod from package. Place the pod in the pod holder with the flat side up, or as directed by pod instructions.
3. Close the pod holder by pushing down on the silver handle. Place a normal sized cup on the fold down tray or use the bottom drip tray for a larger cup.
4. Select Coffee, Tea, Over Ice, or Hot Water for the drink option.
5. If Coffee, Tea, or Over Ice is selected before opening the brew chamber, the instruction animation will show. Follow the instructions or tap on the center of the touch screen to dismiss and proceed to the next menu.



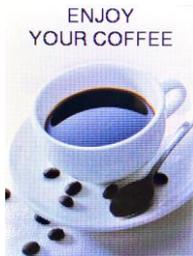
6. If an incorrect drink option is selected, tap the gray BACK arrow on the lower left-hand corner of the screen to return to the home screen. A Hot Water selection will return to Home screen in about 5 seconds if there is no dispensing action.
7. Select desired Brew Strength (coffee bean/tea leaf icon) and Cup size and when done press the BREW button to start the brewing cycle. Alternatively, press the HOT WATER button to only dispense hot water.



8. The brewing screen will display while the beverage is brewing. To cancel brewing, press the cancel button.



9. When your drink is ready, the following display will be shown.



Brewer Programming

To access the Programming Menu, perform the following steps:

1. Turn the power switch on the rear top of the brewer OFF. Turn the power switch ON.
2. While the machine is showing the blue "AquaCafé CT" screen, press the upper left-hand corner of the touchscreen.



3. Programming Settings Menu will appear as shown below.



Button descriptions:

Blue buttons are used to enter sub-menu screens.

Green Return Arrow button is used to exit menus.

4. Settings:

- **Temperature Adjustment**

Select the Adjust Temp sub-menu to adjust the water temperature. Use “-” and “+” buttons to decrease or increase water temperature from 170° F to 203° F.

NOTE: Value shown (200F) is default setting.



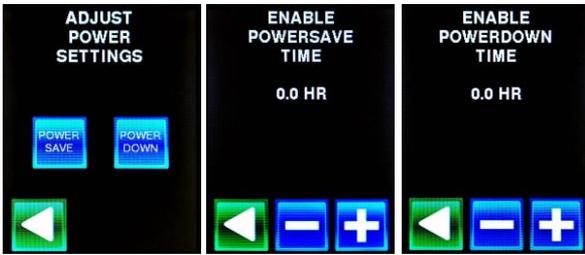
- **Brew Cycle Display**

Select the Brew Cycles sub-menu to show the current number of completed brew cycles.



- **Power Settings**

Select the Energy Save sub-menu to set the unit in either Power Save or Power Down mode (only 1 mode can be enabled at the same time). Power Save reduces the water temperature to 170° F after the selected idle time. The idle time range is from .5 hours to 4.0 hours. Use the “-” and “+” buttons to set the hours. Power Down disables the heater after the selected idle time. The idle time range is from .5 hours to 4.0 hours. Use the “-” and “+” buttons to set the hours. Setting the time range to 0.0 hour disables the feature, default setting.



- **Adjust bin count**

Select the Adjust Bin Count sub-menu to set the number of brew cycles before the empty bin signal is displayed. The range is from 0 to 40 brew cycles. The ideal setting for Pod model is 30; for K-cup model is 20.

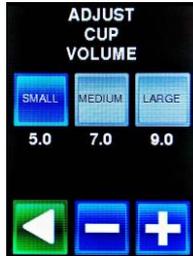
NOTE: Value shown (30) is default setting.



- **Adjust Cup Volume**

Select the Adjust Cup Volume sub-menu to set the number of ounces in each size cup – small, medium and large. Select the cup size on the Adjust Cup Volume screen and then use the “-” and “+” buttons to decrease or increase the number of ounces in the selected cup size. The range is from 1 to 16 Ounces. Setting the number to zero (Off) for the selected cup size disables that cup size as an available option on the selection screen.

NOTE: Values shown are default setting.



- **Adjust Air and Water pumps**

Select the Adjust pump sub-menu to adjust the air dry power, air dry time and water pump speed settings.

Select the Air Dry Power button and then use the “-” and “+” buttons to decrease or increase the Air Dry Power setting. The range is from 1 to 10.

NOTE: Increase the number will increase the air power to dry the pod, but will increase the chance to split the pod.

Select the Air Dry Time button and then use the “-” and “+” buttons to decrease or increase the air dry time setting. The range is from 0 to 20 seconds.

Select the Pump Speed button and then use the “-” and “+” buttons to decrease or increase the water pump speed setting. The range is from 4 to 10.

NOTE: Values shown are default setting.



- **Adjust Brew Time**

Select the Adjust Brew Time sub-menu to set the brew time for each of the nine (9) brew settings: Coffee Mild, Coffee Regular, Coffee Bold, Iced Mild, Iced Regular, Iced Bold, Tea Mild, Tea Regular and Tea Bold. Longer brew times enable Pulse Brewing.

NOTE: Setting brew time to minimum value disables Pulse Brewing. Select the brew setting to adjust from the Adjust Brew Time Selection screen. Use the “-” and “+” buttons to decrease or increase the brew time for the selected brew setting. The range is from 10 to 99.9 seconds. If the unit requires longer brew time than the set ‘Brew Time’ to brew the set ‘Cup Volume’, ‘Cup Volume’ setting will be the dominant setting.



- Adjust Pre-Infusion Time

Select the Adjust Pre-Infusion sub-menu to change the pre-infusion (pre-wetting) time for each brew strength. Use the “-” and “+” buttons to decrease or increase the time values. The range is from 0 to 5 seconds.

NOTE: Values shown are default setting.



Default Settings

AquaCafe CT Programming Menu Default Settings			
Brew Temperature (F)/(C)	200 / 93		
Power Save time (Hr)	0		
Power Down time(Hr)	0		
Bin Count (Time)	30		
Cup volume (Oz)/(ml)	Small 5 / 148	Medium 7 / 207	Large 9 / 266
Air Dry Power	3		
Air Dry Time (Sec)	6		
Pump Speed	7		
Coffee Mild Brew Time (Sec)	Small 24.3	Medium 34.1	Large 43.9
Coffee Regular Brew Time (Sec)	Small 23.8	Medium 33.6	Large 43.4
Coffee Bold Brew Time (Sec)	Small 22.8	Medium 32.7	Large 42.5
Iced Mild Brew Time (Sec)*	Small 39.0	Medium 48.6	Large 58.0
Iced Regular Brew Time (Sec)*	Small 44.0	Medium 53.6	Large 63.0
Iced Bold Brew Time (Sec)*	Small 49.0	Medium 58.6	Large 68.0
Tea Mild Brew Time (Sec)	Small 34.0	Medium 43.6	Large 53.0
Tea Regular Brew Time (Sec)	Small 39.0	Medium 48.6	Large 58.0
Tea Bold Brew Time (Sec)	Small 44.0	Medium 53.6	Large 63.0
Pre-Infusion Time (Sec)	Mild 0	Regular 0.5	Bold 1.0
* NOTE: Volume on Over Ice drinks are the same as Coffee & Tea dispense volumes.			

Maintenance

WARNING: Always unplug dispenser before cleaning or maintenance

Cleaning

1. All plastic parts should be cleaned a minimum of twice a year.
2. Prior to cleaning, unplug power cord. If AquaCafe CT is being used as a Point of Use, shut off water supply.
3. All plastic parts are upper rack dishwasher safe. Can be cleaned using a cloth and warm, soapy water. Rinse with clean water and wipe dry. Never use scouring pads, steel wool or scouring powder.
4. The drip tray is not self-draining and should be emptied and cleaned regularly.
5. The auto-eject lifting mechanism (brass nut and stainless-steel plate portion) needs to be wiped clean and apply food grade lubricant periodically (preferably quarterly) to maintain its smoothness and reduce the wear.
6. Perform a Hot water sanitization a minimum of twice a year for best taste of hot drinks.

Descaling

1. Descale the hot tank quarterly, about 1000 brews, also depends on the usage and water quality. More frequent descaling maintenance will be required with heavier usage and higher TDS water situation.
2. Recommended descaling cycle:
Fill reservoir with citric acid solution (Mixing ratio: 2 Liter water with 100g food grade citric acid power).
Place a pod in the brew chamber and brew 6 large cup drinks. Top-up the reservoir as needed. Note: One pod can be used for all brew cycles.
3. Recommended Rinsing cycle:
Dump the residual citric acid solution and fill reservoir with potable water.
Place a pod in the brew chamber and brew 6 large cup drinks. Top-up the reservoir as needed. Note: One pod can be used for all brew cycles.

Decommission/Prepare for transportation and storage

1. Turn AquaCafe CT off and unplug.
2. Eject spent pod, empty waste bin.
3. Drain the Hot Tank. Move the unit toward the end of a table with the bottom recessed drain port area accessible. Pull out the 2 drain tubes slightly and then remove the drain plugs to drain. The Black plug is the air vent, the Red plug is the hot water drain. **CAUTION – HOT WATER WILL BE DISPENSED**
4. Once the water is drained, put back the plugs and tuck the tubing back in the bottom pocket properly.
5. If the hot tank is not drained properly and the brewer is stored in area that may freeze, it can damage the hot tank and leak on reinstall.

Troubleshooting

1. **Pod split open**

Place the pod flat in the pod holder and pat the pad a couple of times to have the ground coffee evenly distribute and contact the pod holder evenly. Reduce the air-dry power and increase the air-dry time to reduce the pod ballooning effect through Programming Menu section.

2. **Pod failed to eject**

Close the handle and then open the handle again and let the brew chamber spring open and complete its auto-eject action.

Note: It is recommended to place 4 fingers on top of the brew chamber and lift up the silver handle by using the thumb to open the brew chamber. Once the brew chamber latch is released, let go all fingers.

Increase the air-dry power and increase the air-dry time for a drier pod through the Programming Menu section if the pod sticks on the pod holder frequently.

Check the tear and wear of the brass insert and the mating stainless steel sheet on the linkage. Replace the brass insert and linkage when it is worn. If the pod holder doesn't do the full flip motion, adjust the hook position slightly towards the linkage by applying a gentle force on the hook at the brass nut area toward the right-hand side. Be sure not to overly adjust, which can hinder the linkage action, wear the component and fail parts prematurely.

3. **Coffee tasted weak and prefer bolder cup of coffee/tea**

Decrease the brewing volume or select bolder brew setting (3 coffee bean setting). Increase the pre-infusion (pre-wetting) time and/or increase the brew time to meet the taste preference through the Programming Menu section.

4. **Water leaked on the back of the machine**

Ensure the unit sits on a flat platform/countertop surface and the water reservoir sits in and engages with the water port completely.

Ensure the quick-connect connection tubing gets inserted in firmly and properly and secured with a locking clip.

5. **Waste bin count failed to reset**

Ensure the waste bin is removed and emptied with enough wait time, about 10 seconds, or wait for "BIN COUNT RESET" message on the screen before replacing the waste bin. <https://youtu.be/mWNhfnRVJws>

Power off or unplug won't reset the bin count.

Removing the waste bin when 'PLEASE EMPTY WASTE BIN' is not showing won't reset the bin count.

6. **"PLEASE REPLACE WASTE BIN" screen, but a waste bin is in place**

The sensing magnet on the waste bin may be detached or broken.

7. **Hot tank failed to heat up after priming**

Ensure the water reservoir is filled and sits in and engages with the water port completely. Cycle the power by turning off and on the power switch.

8. **Water keeps flowing out from Hot water nozzle**

Cycle the On/Off switch to reset. If the syndrome persists, try a different receptacle on a different circuit.

9. **Water tastes funny**

Perform a Hot water sanitization stated in Page 2

10. **“POUROVER TANK LEVEL LOW REFILL” screen**

Ensure the reservoir is filled above half full and seat properly.

11. **“CHECK WATER SUPPLY” screen**

Ensure the reservoir is filled above half full and seat properly.

If the coffee flows out slower than normal, ensure the pod holder outlet port is not clogged. Use a paper clip or toothpick into the opening to loosen any grounds or debris.

If very fine ground espresso pod is used, increase and adjust the pump speed setting by 1 or 2 through Programming Menu section to prevent false alarm.



This product is for commercial use

AquaCafe® CT Single Serve Coffee & Tea Brewer
Point of Use and Pour Over
New Beverage Ventures, La Verne, California
Please refer to www.aquabeve.com for Warranty details.

