



## **Brewer Set Up to be ready to brew the evening prior.**

1. Place platen on top of the arm with handle toward the front of the machine and facing down.
2. Place perforated plate on top of platen aligning the plate pins with the platen grooves.
3. Reusable filter goes on top of the perforated plate and centered.
4. Position the perforated plate and platen assembly underneath the brewing cylinder. Raise into position by turning the hand wheel and aligning the slots in the plate with the cylinder attachment brackets. Do not raise the Brew Bomb cylinder.
5. **MAKE SURE FILTER IS VISIBLE ALL THE WAY AROUND THE EDGE where the platen meets the Brew Bomb bin.**
6. With the slots and brackets aligned use the T pins to secure the plate to the cylinder. Tighten the wing nuts into a position so the wing is parallel with the edge of the plate. Lower the platen with the hand wheel and rotate the arm to the forward position. Remove the platen from the arm and place the platen aside. Rotate the arm to the full rearward position.
7. To attach the funnel align funnel tabs with the cuts in the perforated plate. Raise the funnel and turn slightly so the funnel tabs are resting on the top of the perforated plate.
8. Place coffee cart lid onto the bin.
9. Roll the cart underneath funnel with lid attached and place blue pipe from funnel into lid holes.

## **Instructions to begin brewing.**

1. Grind the appropriate coffee using the corresponding recipe grind size.
2. Fill out appropriate information on Brew Bomb Log. Brewing Date, Batch #, Coffee Type, Roast date, Grind Date, Grind Size, and Total Poundage and Yield. (Yield is  $\frac{1}{2}$  the poundage)
3. Use the designated Brew Bomb bucket (empty 5 gallon bucket) and preinfuse the grounded coffee.
  - a. For every 5 lbs of coffee, infuse  $\frac{1}{2}$  -  $\frac{3}{4}$  of a gallon of filter water by stirring the water into the coffee grinds. The grinds should only be moistened, not saturated.
  - b. First preinfuse with coarser grind (higher number) coffee.
4. Pour half of the water and half of the 5 lbs of coffee into the bucket. Use the provided potato masher and silver paddle tools to mix thoroughly. Then pour the remaining

coffee grounds into the bucket. Add water as needed and mix until it resembles damp sand and DO NOT OVER AGITATE. Repeat step with remaining coffee.

5. **KEEP TRACK of the amount of water used during pre-infusion.**
6. Pour the coarsest grind mixture at the base of the Brew Bomb bin and level the coffee grounds. Repeat with the remaining coffee.
  - a. As you add coffee, **DO NOT PACK just level the grounds.**
7. Then **Record** the final quantity of water used for pre-infusion.
8. Once all coffee is added, place the rain lid with nozzle on the Brew Bomb cylinder and attach the supply tube to the nozzle pipe.
9. Open the valve on the collection funnel bin and ensure blue pipe is in drain cart in either hole of the cart lid.
10. Ensure the brew cart valve is closed.
11. Power up the interface controller by connecting the circular plug. Align the white dots and turn the connector collar slightly. Plug in 12v power supply.

### **Controller Set Up. (SEE Recipe for exact numbers)**

1. Auto vs Manual. Select Auto.
2. Tap on blank box below Yield. Enter \_\_\_\_\_. Click Enter.
3. Tap on blank box below Brew Time. Enter \_\_\_\_\_. Click Enter.
4. Tap on blank box below Pounds. Enter \_\_\_\_\_. Click Enter.
5. Under Pre-infuse select YES. Tap on black box below Pre-infuse. Enter \_\_\_\_\_. Click Enter.
6. Once all info in entered press Run.

### **Begin Brewing**

1. Turn the water system on.
2. To adjust the flow rate, OZ/minute of water, adjust the black control valve on the left hand side. Left to close and right to open. Adjust the OZ/minute of water to be close to the target value shown on the controller.
3. Adjust the spray pattern by raising or lowering the nozzle pipe so the spray pattern is only spraying on the coffee bed and not the brew cylinder.
4. Keep an eye on the water flow. Make sure the water isn't pooling at the top of grounds or draining too quickly into drain cart.
5. Pull samples from both cart and from output pipe of intervals at 25%, 50% and 75% depending on Total Dispense value. Fill half the cup of the clear cups.
6. Record TDS, brew time and total dispense at that specific interval for either 25%, 50%, or 75%.
7. Keep checking the output taste of from samples to determine when to finish the brew cycle. Record the final total dispense, final brew time and final TDS from bin. Close funnel valve, turn off water filtration and remove drain cart. Place a bucket below the

blue tubing attached to the funnel valve and open valve to allow the remaining of brew bucket to drain. Anything left over in the bucket can be mixed into drain cart per instructions from recipe.

8. Mix in about \_\_\_\_\_ gallons of water into drain cart and check TDS as you get closer to \_\_\_ gallons of water added to desired final concentrate per recipe.
9. Once FINAL TDS is achieved, record the total yield.

### **Brew Bomb Cleaning Instructions.**

1. Detach the control box and place in a dry and safe area. Cords can hang loose.
2. Fill a plastic bucket with water and sanitizer.
3. Clean and rinse emptied coffee cart with sanitizer solution.
4. Close drain valve at the collection funnel.
5. Remove the drain pipe assembly and strainer from the drain valve and place the assembly into the sanitizer bucket.
6. Disconnect the spray nozzle supply line from the nozzle pipe. Attach water line end to the retention clip under the control valve.
7. Remove funnel and place in sink upside down. (**Caution: Will have liquid inside**).
  - a. Unscrew grey catch filter, thoroughly Rinse grey catch filter and the blue filter inside housing and reassemble.
8. Clean and sanitize collection funnel.
9. Move arm to the front of machine and place platen on top, handle towards the front and facing down.
10. Place 4 paper towels evenly on platen.
11. Center platen under perforated plate and raise into position by turning the hand wheel. Align the platen slots with the pins in the perforated plate.
12. Remove all 6 T-pins and sanitize.
13. Place green plastic bag inside white square trash bin. Roll it under the Brew Bomb and hook green plastic bag onto the four back T-pin holders.
14. Lower platen and perforated plate assembly slightly and pull arm toward you. Make sure to have green plastic bag still attached to back T-pin holders and maneuver the arm/screw handle forward.
15. Save the reusable filter out of green plastic bag when done, rinse and set to dry.
16. Fully attach green trash bag to remaining T-pin holders. Clean inside of brew cylinder of grinds.
17. Remove green plastic bag from T-pins and dispose the green plastic bag with grinds into dumpster.
18. Rinse perforated plate, platen, and cart lid with sink water and then sanitize all parts.
19. Remove Brew Bomb cylinder, clean and sanitize.