

# LITTLE JOE MANUAL

NEWCO ENTERPRISES INC,  
3650 NEW TOWN BLVD SAINT CHARLES, MO 63301  
1-800-325-7867



For brewer PN 153000

**NEWCO**  
newcocoffee.com

Technical Service: 1-800-556-3926

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## NEWCO CONTACT INFORMATION

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# WARRANTY

*This warranty supersedes all other previous warranties that are currently in manuals. Newco warrants equipment manufactured by it for 1 year parts and labor. Dispensers and Display Tablets - 1 year parts only. Electronic Circuit and Control Boards- 1 year parts and labor.*

These warranty periods run from the date of sale Newco warrants that the equipment manufactured by it will be commercially free of defects in material and workmanship existing at the time of manufacture and appearing within the applicable warranty period. This warranty does not apply to any equipment, component or part that was not manufactured by Newco or that, in Newco's judgment, has been affected by misuse, neglect, alteration, improper installation or operation, relocation or reinstallation, improper maintenance or repair, incorrect voltage applied to the unit at any time, damage or casualty. This warranty does not apply to any equipment failures related to poor water quality, excessive lime and chlorine and non-periodic cleaning and descaling. Warranty is null and void if muriatic or any other form of hydrochloric acid is used for cleaning or deliming. In addition, this warranty does not apply to replacement of items subject to normal use including but not limited to user replaceable parts such as faucet seat cups, sight gauge tubes, washers, o-rings, tubing, seals and gaskets.

This warranty is conditioned on the Buyer 1) giving Newco prompt notice of any claim to be made under this warranty by telephone at (800) 556-3926 or by writing to **3650 New Town Blvd, Saint Charles, MO 63301**; 2) if requested by Newco, shipping the defective equipment prepaid to an authorized Newco service location; and 3) receiving prior authorization from Newco that the defective equipment is under warranty.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF EITHER MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The agents, dealers or employees of Newco are not authorized to make modifications to this warranty or to make additional warranties that are binding on Newco. Accordingly, statements by such individuals, whether oral or written, do not constitute warranties and should not be relied upon.

If Newco determines in its sole discretion that the equipment does not conform to the warranty, Newco, at its exclusive option while the equipment is under warranty, shall either 1) provide at no charge replacement parts and/or labor (during the applicable parts and labor warranty periods specified above) to repair the defective components, provided that this repair is done by a Newco Authorized Service Representative; or 2) shall replace the equipment or refund the purchase price for the equipment.

THE BUYER'S REMEDY AGAINST NEWCO FOR THE BREACH OF ANY OBLIGATION ARISING OUT OF THE SALE OF THIS EQUIPMENT, WHETHER DERIVED FROM WARRANTY OR OTHERWISE, SHALL BE LIMITED, AT NEWCO'S SOLE OPTION AS SPECIFIED HEREIN, TO REPAIR, REPLACEMENT OR REFUND.

In no event shall Newco be liable for any other damage or loss, including, but not limited to, lost profits, lost sales, loss of use of equipment, claims of Buyer's customers, cost of capital, cost of down time, cost of substitute equipment, facilities or services, or any other special, incidental or consequential damages.

**WARNING: Read and follow installation instructions before plugging or wiring in machine to electrical circuit. Warranty will be void if machine is connected to any voltage other than that specified on the serial tag. Machine must be plugged into a grounded outlet.**

# SPECIFICATIONS

## TANK WATTAGES

USA- 1700W, 120V, 60Hz, 15A

Canada- 1400W, 120V, 60Hz, 12A

## TANK CAPACITY

Approx. 26 oz

## Drip TRAY CAPACITY

Approx. 13 oz

## POD WASTE TRAY CAPACITY

Approx. 30 pods

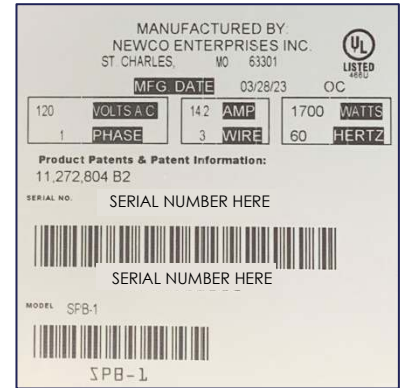
## CUP SIZE

2-16 OZ

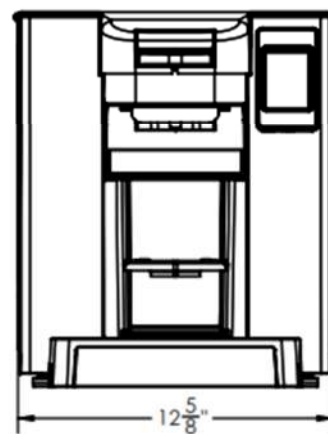
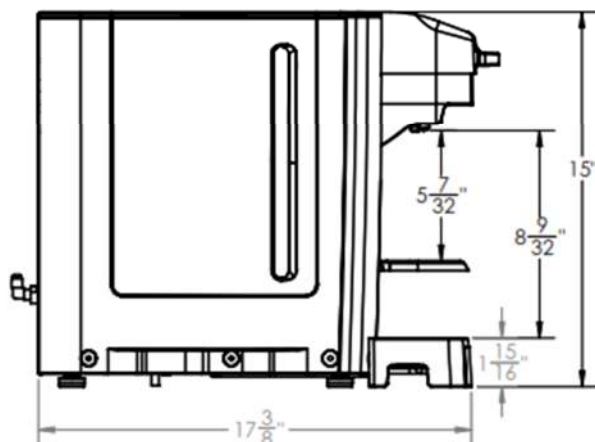
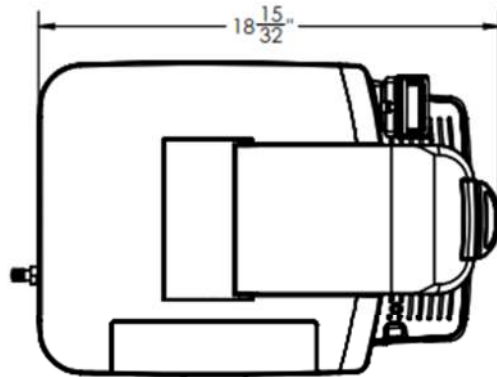
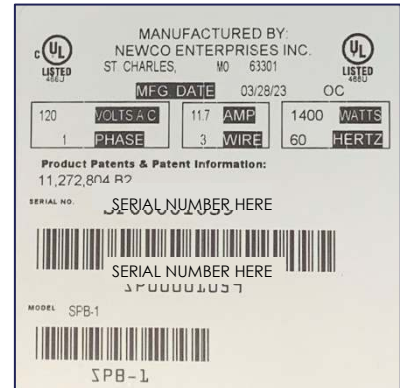
## SHIPPING WT

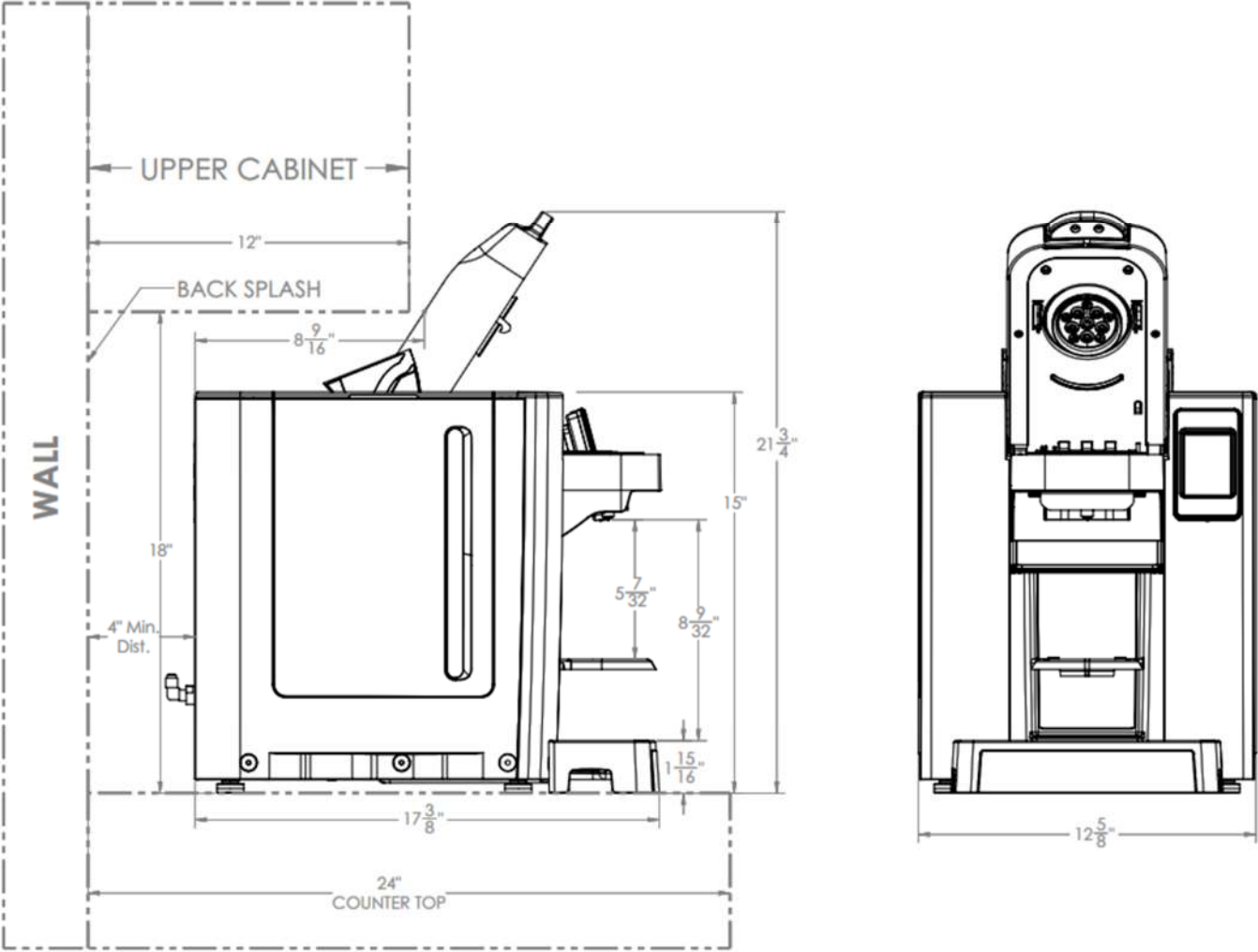
Approx. 35 lbs.

*US Data Plate*



*Canadian Data Plate*





# MACHINE SET UP

## PLUMBING

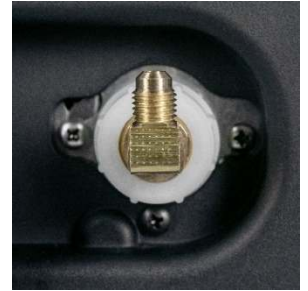
This machine has two plumbing options- either plumbed into a water line or filling the side reservoir manually.

### FOR PLUMBED IN WATER LINE

This machine must be connected to a cold-water system with operating pressure between 20 and 90 psi (138 and 620 kPa) from a 1/2" or larger supply line. A shut-off valve should be installed in the line before the machine. Install a regulator in the line when pressure is greater than 60 psi (620 kPa) to reduce it to 50 psi (345 kPa). The water inlet fitting is 1/4" male flare.

Flush water line before plumbing into machine.

*Note: Water pressure should be at least 20 lbs. For less than a 25 ft run, use 1/4" copper tubing and connect to 1/2" or larger water line. For longer runs, use 3/8" copper tubing & connect to 1/2" or larger water line and provide an adapter fitting for connection to the brewer. Newco does not recommend the use of a saddle valve to install the brewer. The size and shape of the hole made in the supply line by this type of device may restrict water flow.*



### FOR USE AS POUR OVER- MANUAL FILLING

Always use clean water and never fill above the max fill line. Ensure water inlet is covered using block off plate (PN 153259).



## ELECTRICAL

USA- 1750W, 120V, 15A; Canada- 1400W, 120V, 12A

All electrical connections should comply with local, state, and national requirements.

Electrical connections must match the specifications outlined on the data plate, located on the rear of the machine.



This equipment must be installed to comply with the Basic Plumbing Code of the Building Officials and Code Administrators International, Inc. (BOCA) and the Food Service Sanitation Manual of the Food and Drug Administration (FDA). For models installed outside the U.S.A., comply with the applicable Plumbing/ Sanitation Code.



## INITIAL SET UP

Install brewer on a clean flat surface, at least 4-6" away from any walls or appliances.

This brewer is designed for indoor use only.

Machine is shipped for Manual Fill/ Pour Over operation. For installation of the machine attached to a main water line, the following procedure should be followed:

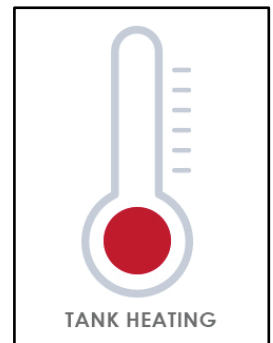
1. Remove the white cap attached to the inlet valve, located at the right rear of the brewer, by rotating counterclockwise.
2. Remove the gasket and metal plug. Included with the brewer is a fitting with ¼" valve flare connection.
3. Insert the fitting into the cap, add the same gasket and tighten the cap by turning clockwise.

*Note: Before connecting the machine to a water line, it is necessary to flush the waterline into a container, at least ½ gallon of water, to remove any debris which can damage the inlet valve.*

The machine will attempt to fill the side reservoir via the inlet valve. If the machine is not plumbed in to a water line, it will then close the inlet valve. The machine will display Check water supply or fill reservoir, remove side reservoir, fill with clean water, then replace. Once the side reservoir is filled and in place, then the machine will fill the hot water tank from the side reservoir. Machine will display Hot Water Tank Filling.

*Note: Once the inlet valve closes, the machine will only draw water from the reservoir. The inlet valve will not open again until the machine is restarted.*

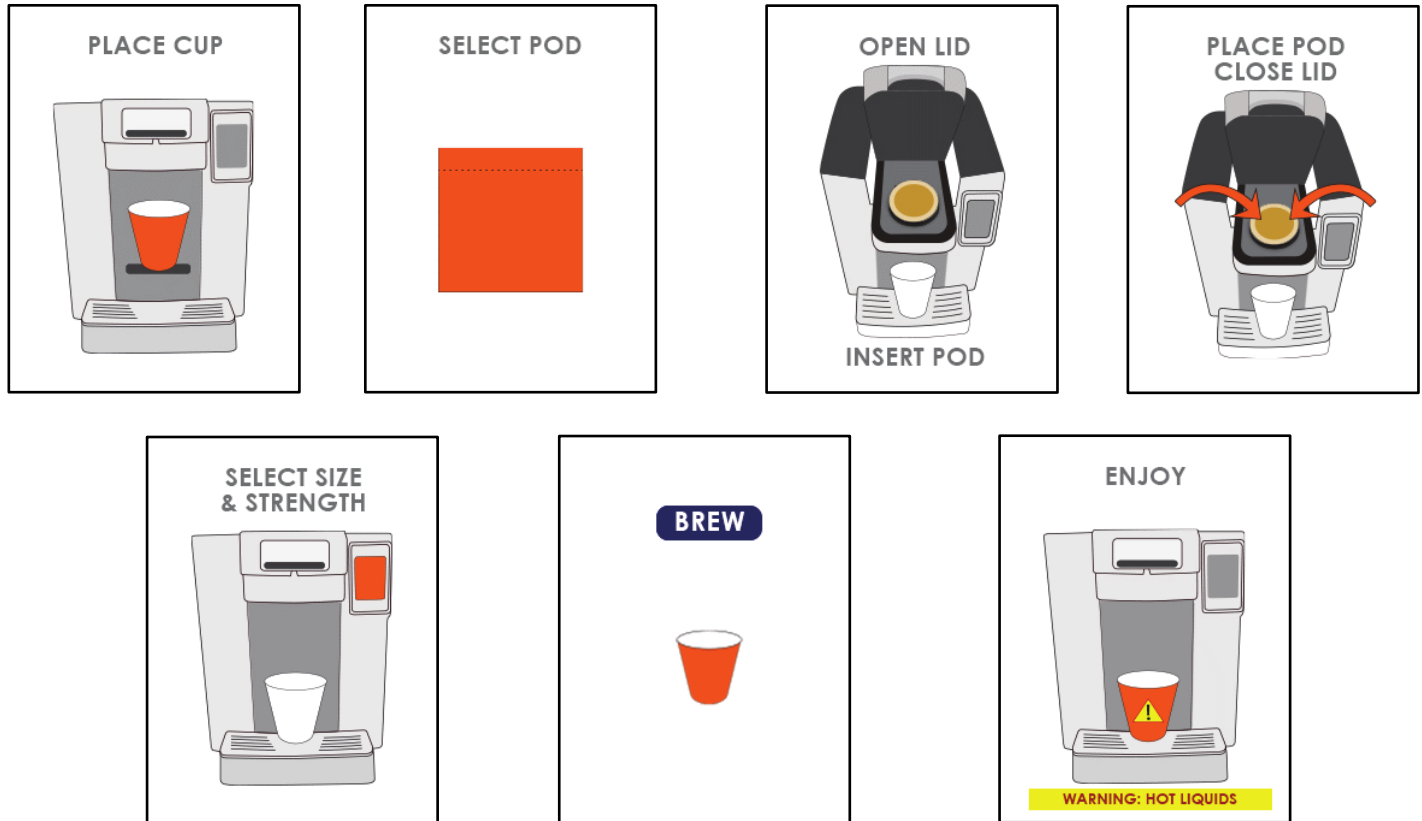
Once the hot water tank is filled, the machine will begin heating the tank.



# MACHINE OPERATION

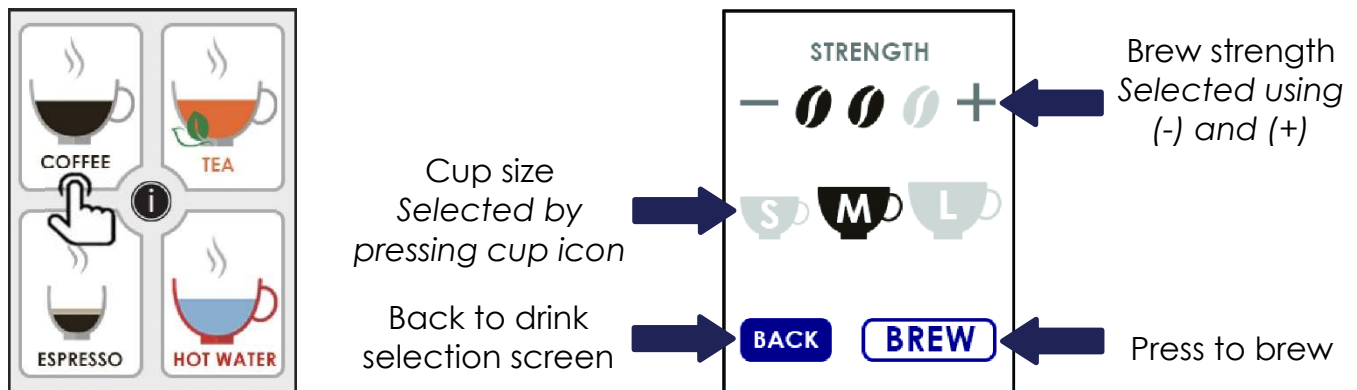
## HOW TO BREW

For machines not used to brew tea, there are different drink selection screens. See System Configuration, page 13, to set desired screen. All drink selection screens have an information icon in the middle of the screen, press the "i" icon to display How to Brew Instructions. Always place pod flat side up. Do not pinch your pod.



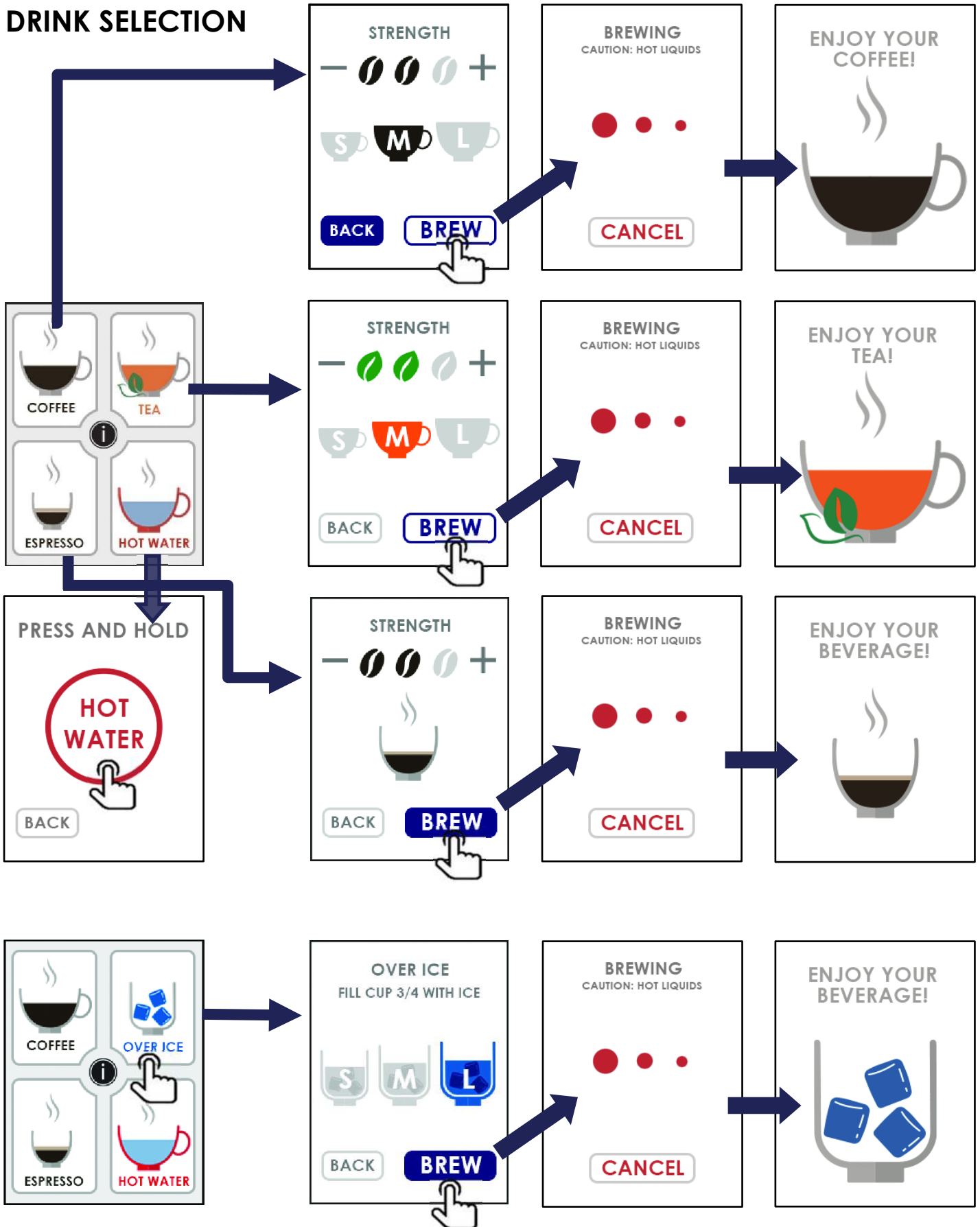
## DRINK SUBMENU EXAMPLE

This screen shows once you have selected a drink, example shows Coffee Cup Size and Brew Strength submenu.



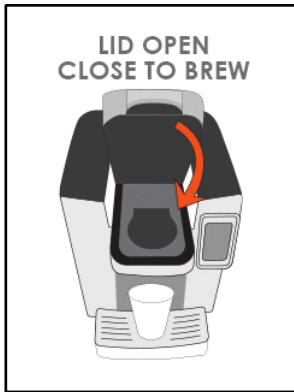


## DRINK SELECTION



## INFORMATION ALERTS

When alert is shown, brewing is disabled.



If the lid is open when you press Brew, the machine will prompt you to close the lid.

If the lid is open too long, or if Brew is not pressed, you will need to restart the brew cycle.



Brew cycle has been canceled, restart the brew cycle once the drink selection screen shows.

Machine is automatically refilling the side reservoir using the inlet valve connected to the plumbed in water line.



Reservoir is not in place, or is not connected properly. Replace reservoir to continue.

## CLEANING

Use a clean cloth to wipe the outside of the machine.

To remove the waste bin, remove the drip tray then pull out from the top of the waste bin wall. Empty the waste bin and discard the contents of the drip tray before cleaning. Waste bin and drip tray are hand wash only, manufacturer recommends washing them daily.

# MACHINE PROGRAMMING

To access the programming menu, touch the upper left hand corner of the screen when Newco logo screen appears on startup. These settings change how the coffee is made and how the machine works.



## ADJUST TEMPERATURE

This setting has a default of 200°F with a range of 170°-203°F. *Those at a higher altitude may need to adjust their temperature. At 3000 ft, set to 199°F; at 5000 ft adjust to 195°F.*

**BREWER CYCLES** This is a non resettable count showing the number of cycles the brewer has gone through.

## ENERGY SAVE

### POWER SAVE

A partial power saving mode. After the time set by the user has passed, the tank temperature will cool to remain at 170°F. The idle time defaults at 0 hrs, with a range of up to 4 hrs in increments of half an hour.

### POWER DOWN

A full power saving mode. After the time set by the user has passed, the tank heater will turn off. The idle time defaults at 0 hrs, with a range of up to 4 hrs in increments of half an hour.

*Note: If brewer goes unused for 72 hours, the heater will turn off. The heater will turn back on at first interaction.*

## ADJUST BIN COUNT

This count determines the number of pods the brewer will hold before signaling that the bin is full. The default of this setting is 30 pods, with the range going up to 50 pods. Setting the pod count under 10 turns off the counter- this should only be done if you are using a special ordered pass-through brewer.

*It is recommended that you empty and rinse the waste bin daily.*

### WASTE BIN REMOVAL

To remove the waste bin, remove the drip tray then pull out from the top of the waste bin wall.



## ADJUST CUP VOLUME

This allows the user to change how many ounces are dispensed for each size selection. The range for each selection is 1.0-16.0 ounces, in increments of 0.1 oz. Default sizes are shown in the table to the right.

Coffee		
Small	Medium	Large
7.0 oz	8.0 oz	9.0 oz
Iced		
Small	Medium	Large
4.0 oz	5.0 oz	6.0 oz
Tea		
Small	Medium	Large
7.0 oz	8.0 oz	9.0 oz
Espresso		
	Medium	
	3.0 oz	

## ADJUST PUMPS

### AIR PUMP POWER

Has a default of 8 with a range of 1-10, or can be set to off.

*Too high of power may result in a broken coffee pod.*

### AIR DRY TIME

Has a default of 10, with a range of 1-20, or can be set to off.

### AIR PUMP SPEED

Has a default of 8 with a range of 4-10.

## SYSTEM CONFIGURATION

This screen allows you to choose if the upper right selection is set to Tea, Over Ice, or Info. Please note that you can also view Info by pressing the “i” in the center of the screen.



Info



Tea  
(default)



Iced

## LANGUAGE

Single language (English only), or dual language, any combination of French, English & Spanish. If set to dual language, the display will alternate languages.

Note: Language settings not available on all models.

## ADJUST BREW PULSE TIME

The pulse time displayed is the duration of pauses, or “off” pulses, during the brew cycle. Increasing or decreasing the pulse time will increase or decrease the overall water contact time with the pod, resulting in a stronger or weaker strength of brew. The range is from 0.3 to 30 seconds, in increments of 0.1 seconds. The defaults are different for each size and strength combination, shown in the table below.

Coffee								
Mild			Regular			Bold		
Small	Medium	Large	Small	Medium	Large	Small	Medium	Large
3 sec	6 sec	9 sec	9 sec	12 sec	15 sec	14 sec	17 sec	20 sec
Iced								
Mild			Regular			Bold		
Small	Medium	Large	Small	Medium	Large	Small	Medium	Large
28 sec	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec	30 sec
Tea								
Mild			Regular			Bold		
Small	Medium	Large	Small	Medium	Large	Small	Medium	Large
0.3 sec	5 sec	10 sec	10 sec	15 sec	20 sec	20 sec	25 sec	30 sec
Espresso								
Mild			Regular			Bold		
3 sec			16 sec			20 sec		

## ADJUST PRE INFUSION VOLUME

This setting adjusts the first pulse of water into the pod. The defaults for each strength are: 0.3 oz for Mild; 0.5 oz for Regular; and 1.0 oz for Bold. The range is 0.0-5.0 ounces, in increments of 0.01 oz.

# SERVICING THE MACHINE

## DRAINING THE WATER

### **CAUTION:**

*Turn machine off and allow it to cool completely before draining.*

*Waste bin is designed to hold the water released by the system once all spent pods have been removed.*

*Always use caution when working with hot water.*

1. Once machine has cooled, remove the waste bin.
2. Locate the drain plug behind the waste bin in the lower right corner of the back wall.
3. Pull the plug, the drain tube will come with it.
  - a. You may need to wiggle the tube to fully extend it, as the tube clamp needs to be angled to maneuver it through the drain plug opening.
4. Remove the drain plug from the end of the drain tube
5. Ensure your hands are away from the end of the tube, and aim it into a container or drain.
6. Slide the tube clamp to release the water.
7. Once the water has finished draining, slide the clamp back to close off the drain tube. Then, insert the drain plug onto the end of the drain tube.
8. Push the drain tube back into the machine, and push the drain plug back into its opening.





## ERROR MESSAGES

### THERMISTOR ERROR

Check thermistor connections.

If all connections are secure, replace thermistor (PN 153009).

#### THERMISTOR ERROR



CALL FOR SERVICE

### HEATER ERROR

Heater has been on for 15 continuous minutes with no change in water temperature, or hot water tank is overheated.

Check relay connections, and all control board connections.

#### HEATER ERROR



CALL FOR SERVICE

### FLOWMETER ERROR

Check all flowmeter connections, and all plumbing connections. Ensure side reservoir is fully set in place.

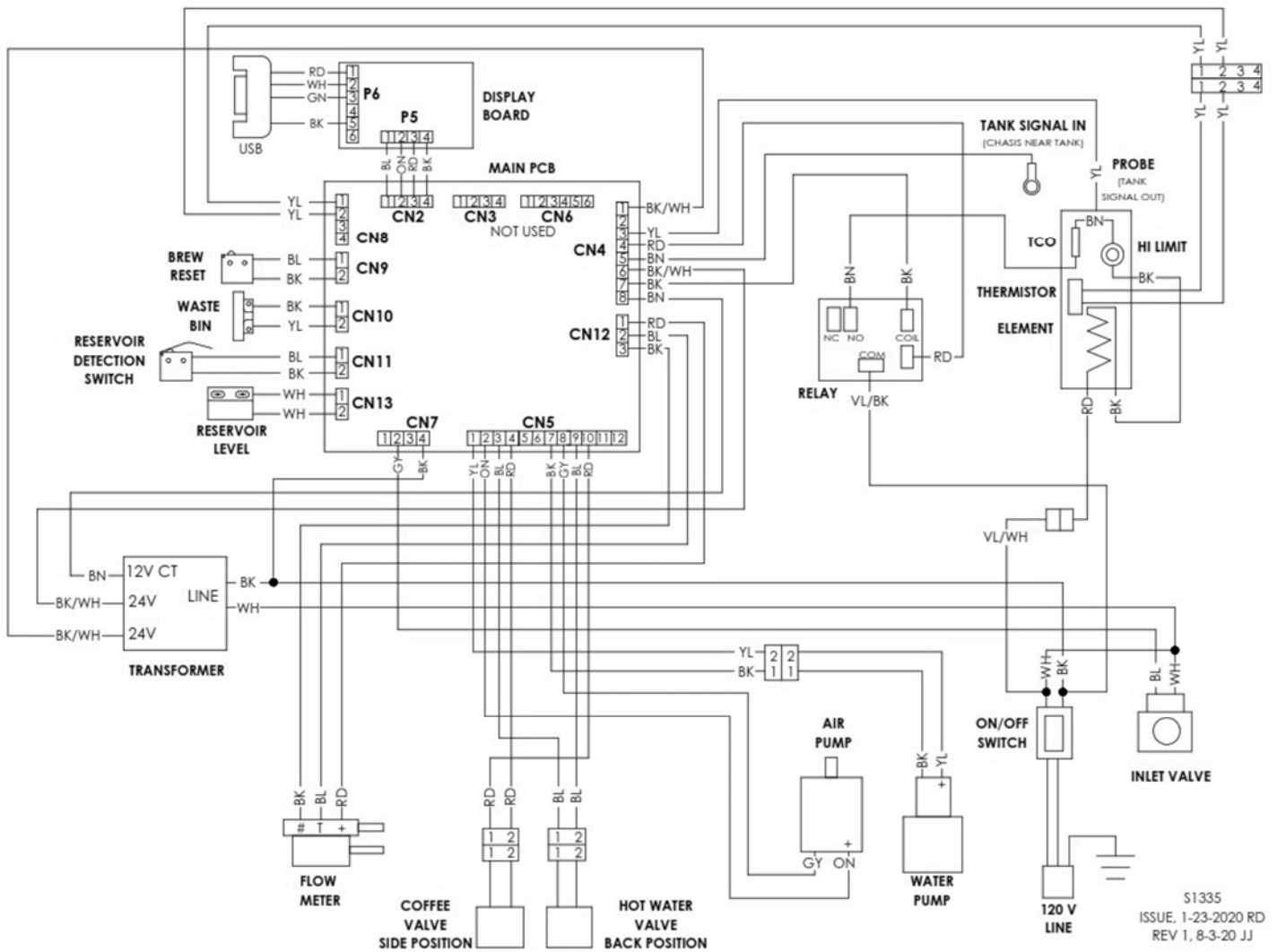
#### FLOWMETER ERROR



CALL FOR SERVICE

# WIRING DIAGRAM

Wire colors subject to change based on availability.



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