

Coca-Cola freestyle.

COCA-COLA FREESTYLE

Freestyle® 2000 Cleaning



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Document History

Date	Version*	Author	Comments
12/28/2015	1.2.0.7_20151228	Kurt Zettlemyer	Complete conversion to new format
01/12/2016	1.2.0.7_20160112	Kurt Zettlemyer	Modified Section IV: Load the Product Tower with Sanitizer , minor changes to Section VI: Clean Product Lines
01/14/2016	1-2-0-7-20160112	Kurt Zettlemyer	Changed pouch volume from 700 to 680 ml, clarified Section IV: Load the Product Tower with Sanitizer , replaced low res photos with screen captures
01/27/2016	1-2-0-7-20160127	Kurt Zettlemyer	Changed page headers and footers, added cartridge and pouch images
05/09/2016	1-2-0-10-20160509	Crystal Matheny	Add note to daily cleaning for nozzle tip.
5/20/2016	1-2-0-10-20160520	Lindsey Bozung	Added note to VII. Purge Product Lines to not change to shipping fluid as screen indicates.

*Version number is: <Software Version separated by dashes>-<Year><Month><Day revision was initiated>

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Introduction

Scope

This document is intended for use by any person required to clean the Coca-Cola Freestyle® 2000 dispenser. Technical information can be found in the *Coca-Cola Freestyle® 2000 Technical Manual*.

Purpose

This document contains cleaning processes for the Coca-Cola Freestyle® 2000 dispenser.

Requirements

Proper Personal Protective Equipment (PPE) must be worn at all times in accordance to the Safety Data Sheet (SDS) for any materials the operator may encounter, including but not limited to product / ingredients, *Detergent Cleanser*, and sanitizer.

Additional Assistance

If you need assistance, you can reach a Freestyle Subject Matter Expert 24 hours a day, 7 days a week by dialing **1-800-817-2653** option **8**.

Cartridge Change Cleaning

FOLLOW THESE STEPS BEFORE INSERTING A NEW PRODUCT CARTRIDGE

Step	Action
1.	Remove the <i>Product Cartridge(s)</i> from the <i>Product Tower</i> .
2.	Carefully clean the <i>IPN connector(s)</i> with a clean cloth dipped in <i>Sanitizer</i> until the cloth comes away clean.
3.	Clean the <i>Tray(s)</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> until the <i>Cloth</i> comes away clean. If necessary, you may wash the <i>Tray(s)</i> in the sink with detergent cleanser before cleaning it with <i>Sanitizer</i> . Set the <i>Tray(s)</i> on a sanitary surface to dry.
4.	Wait 5 minutes to allow the <i>Sanitizer</i> to work and the <i>IPN(s)</i> to air dry.
5.	Perform Steps 2 through 4 again.

Daily Cleaning

DAILY CLEANING OF THE COCA-COLA FREESTYLE® 2000 DISPENSER

Equipment Required

Ensure you have the following equipment before beginning Daily Cleaning.

Equipment Required

5 Gallon *Bucket* with Gradations (Coca-Cola Part #: 143317 recommended)



***Detergent Cleanser* appropriate for food grade surfaces**



Kay 5 Sanitizer, 2 1-oz packets (Coca-Cola Part #: 25823)



***Parts Brush* (Coca-Cola Part #: 954412)**



Thick Bristled Nozzle Brush (Coca-Cola Part #: 138807)



Wire-handled Nozzle Brush (Coca-Cola Part #: 16586)



Drain Brush (Coca-Cola Part #: 28076)

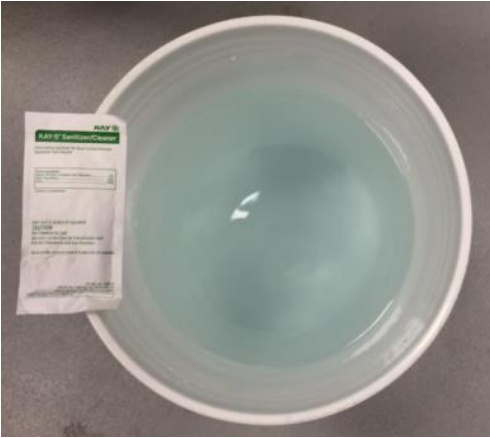


Clean, lint-free, soft cleaning Cloth




Cleaning Procedure


I. Prepare Sanitizer

Step	Action
1.	<p>In a clean 5 gallon <i>Bucket</i>, prepare 5 gallons of Kay-5 <i>Sanitizer</i> (two 1oz packet of Kay-5). Use hot water.</p> <p>Note: Do not exceed 100 ppm <i>Sanitizer</i> strength as this causes damage to the equipment.</p> 
2.	Mix the solution well.
3.	Bring the <i>Bucket</i> to the dispenser.

II. Remove Parts to Clean Separately

Step	Action
1.	<p>Grasp the <i>Nozzle Tip</i>, rotate it counter clockwise, and pull it downwards from the <i>Nozzle</i>.</p> 
2.	<p>Remove the <i>Cup Rest</i> from the dispenser.</p>



III. Clean the Removed Parts

Step	Action
1.	<p>Wash your hands thoroughly with hand soap and warm water.</p>
2.	<p>Wash the <i>Nozzle Tip</i> and <i>Cup Rest</i> in the sink using warm water and <i>Detergent Cleanser</i>. Thoroughly rinse with warm water.</p>
3.	<p>Clean the <i>Nozzle Tip</i>, and <i>Cup Rest</i> with warm water and <i>Detergent Cleanser</i> using the <i>Parts Brush</i>. Thoroughly rinse with warm water.</p> 

IV. Sanitize the Removed Parts

Step	Action
1.	Submerge the parts in <i>Sanitizer</i> for 2 minutes. Note: Shake the <i>Nozzle Tip</i> when submerging into the <i>Sanitizer</i> to ensure no air pockets remain. The <i>Nozzle Tip</i> should sink.
2.	Remove the parts from the <i>Sanitizer</i> and allow them to air dry on a sanitary surface.


V. Clean the Nozzle

Step	Action
1.	Clean the outer <i>Nozzle</i> with the <i>Thick Bristled Nozzle Brush</i> dipped in <i>Sanitizer</i> until it is visibly clean. 
2.	Clean the inner <i>Nozzle</i> with the <i>Wire-handled Nozzle Brush</i> dipped in <i>Sanitizer</i> until visibly clean. 

VI. Clean the User Interface

Step	Action
1.	Clean the <i>Back Splash</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> until the <i>Cloth</i> comes away clean.
2.	Clean the <i>Dispensing Lever</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> until the <i>Cloth</i> comes away clean.
3.	Clean the <i>Touch Screen</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> until the <i>Cloth</i> comes away clean.



VII. Clean the Drain

Step	Action
1.	Clean the <i>Drain Tube</i> with the <i>Drain Brush</i> dipped in <i>Sanitizer</i> .
2.	Pour the remaining <i>Sanitizer</i> down the drain to clean the drain and drain line.
3.	Verify the drain functions properly. 

VIII. Repeat

Step	Action
1.	Mix a fresh batch of <i>Sanitizer</i> .
2.	Perform all the steps in Sections V: Clean the Nozzle through VII: Clean the Drain .

IX. Reinstall All Parts

Step	Action
1.	<p>Reinstall the <i>Nozzle Tip</i> using a sanitary cloth by pushing the <i>Nozzle Tip</i> up and twisting clockwise.</p> 
2.	<p>Reinstall the <i>Cup Rest</i>.</p> 
3.	Daily cleaning is complete. The dispenser may now resume normal operations.

X. Sanitize Brushes

Step	Action
1.	Soak the cleaning brushes in a separate container of <i>Sanitizer</i> for 2 minutes.
2.	Agitate the <i>Brushes</i> to dislodge any debris and allow them to soak for an additional 2 minutes.
3.	Place the Brushes on a sanitary surface to dry.

Annual Cleaning

ANNUAL CLEANING OF THE COCA-COLA FREESTYLE® 2000 DISPENSER

Equipment Required

Ensure you have the following equipment before beginning Daily Cleaning.

Equipment Required

5 Gallon *Bucket* with Gradations (Coca-Cola Part #: 143317 recommended)



***Detergent Cleanser* appropriate for food grade surfaces**



Kay 5 Sanitizer, 2 1-oz packets (Coca-Cola Part #: 25823)



***Parts Brush* (Coca-Cola Part #: 954412)**



Thick Bristled Nozzle Brush (Coca-Cola Part #: 138807)



Wire-handled Nozzle Brush (Coca-Cola Part #: 16586)



Drain Brush (Coca-Cola Part #: 28076)



Clean, lint-free, soft cleaning Cloth



Empty Cleaner Pouches (19)

QD Connector Kit for Sweetener Line (Coca-Cola Part # TBD)



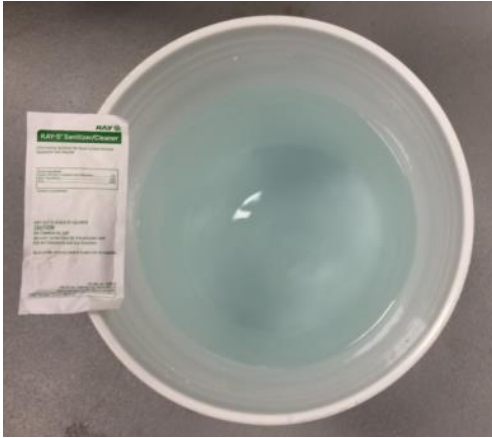
Cleaner Cartridge Refill Kit (Coca-Cola Part # TBD)

Empty Cleaner Boxes (2) (Boxes must have RFID tags set to "Sanitizer")





Cleaning Procedure



I. Prepare Sanitizer

Step	Action
1.	<p>In a clean 5 gallon <i>Bucket</i>, prepare 5 gallons of Kay-5 <i>Sanitizer</i> (two 1oz packet of Kay-5). Use hot water.</p> <p>Note: Do not exceed 100 ppm <i>Sanitizer</i> strength as this causes damage to the equipment.</p> 
2.	Mix the solution well.
3.	Bring the <i>Bucket</i> to the dispenser.



II. Fill Cleaner Cartridges with Sanitizer

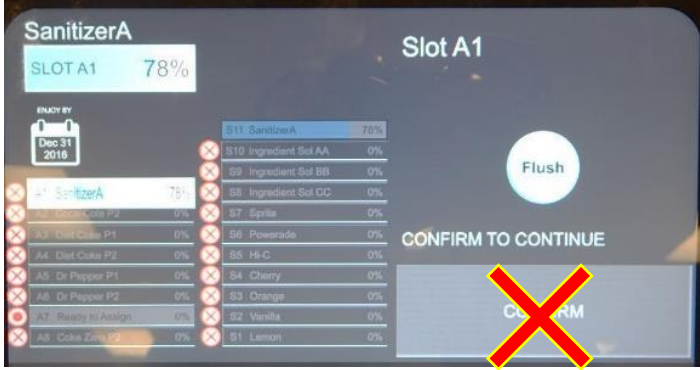
Step	Action
1.	Insert the <i>IPN Connector</i> of the <i>Pouch Filler</i> into an empty <i>Cleaner Cartridge Pouch</i> .
2.	<p>Carefully pour 680 ml of <i>Sanitizer</i> into the funnel of the <i>Pouch Filler</i>.</p> 
3.	Once the funnel and tubing are empty, gently squeeze the <i>Cleaner Pouch</i> to remove as much air as possible from the pouch.
4.	Remove the <i>IPN Connector</i> from the <i>Pouch</i> .
5.	<p>Place the full <i>Pouch</i> inside a <i>Cleaner Box</i> and tape it shut.</p> 
6.	Perform Steps 1 through 5 . You should now have 2 complete <i>Cleaner Cartridges</i> .
7.	Repeat Steps 1 through 4 until you fill 17 <i>Cleaner Pouches</i> . You should now have 2 full <i>Cleaner Cartridges</i> (pouches with boxes) and 17 full <i>Cleaner Pouches</i> (pouches with no box).

III. Prepare the Product Tower

Step	Action
1.	Remove all <i>Product Cartridges</i> from the <i>Ingredient Tower</i> .
2.	Remove all <i>Product Cartridges</i> from the <i>Trays</i> .
3.	<p>Clean all <i>Trays</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> until the cloth comes away clean. If necessary, you may wash the <i>Trays</i> in the sink with detergent cleanser before cleaning it with <i>Sanitizer</i>. Set the <i>Trays</i> on a sanitary surface to dry.</p> 
4.	Clean all the IPN connectors with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> until the <i>Cloth</i> comes away clean.
5.	<p>Clean all interior surfaces of the <i>Product Tower</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i>. Wait 5 minutes.</p> 
6.	Perform Steps 3 through 5 again.

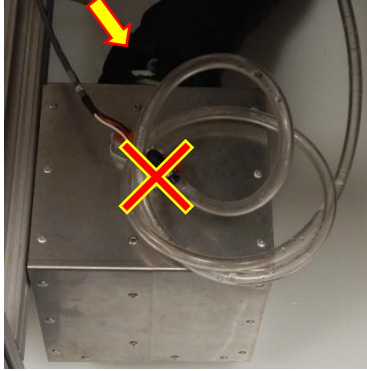
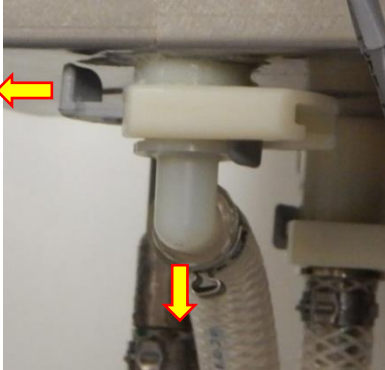
IV. Load the Product Tower with Sanitizer

Step	Action
1.	Wash your hands thoroughly with warm water in a sink using detergent cleanser.
2.	<p>Place both <i>Cleaner Cartridges in Trays</i>. Ensure the 1st flange on the neck of the cartridge is outside the tray lip, and the 2nd flange is inside the tray lip.</p> 
3.	<p>Place all 17 <i>Cleaner Pouches (no box)</i> in <i>Trays</i>. Ensure the 1st flange on the neck of the cartridge is outside the tray lip, and the 2nd flange is inside the tray lip.</p> 
4.	Insert a <i>Cleaner Cartridge in Tray</i> into the top slot of the right-hand tower.

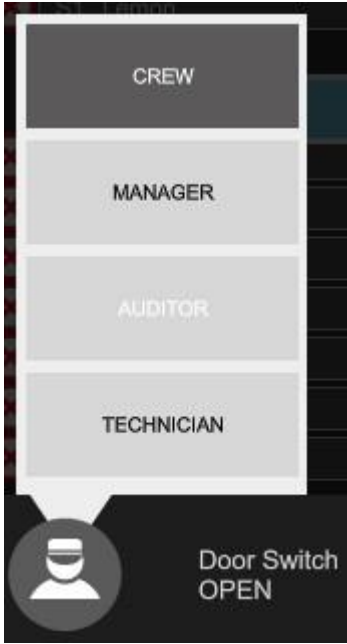

Step	Action
5.	<p>Do not touch the CONFIRM button.</p> 
6.	Insert a <i>Cleaner Cartridge</i> into the top slot of the left-hand tower.
7.	Fill all remaining slots with <i>Cleaner Pouches in Trays</i> .

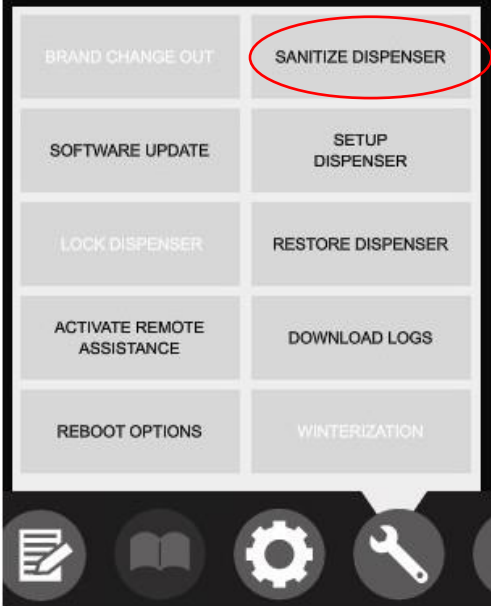
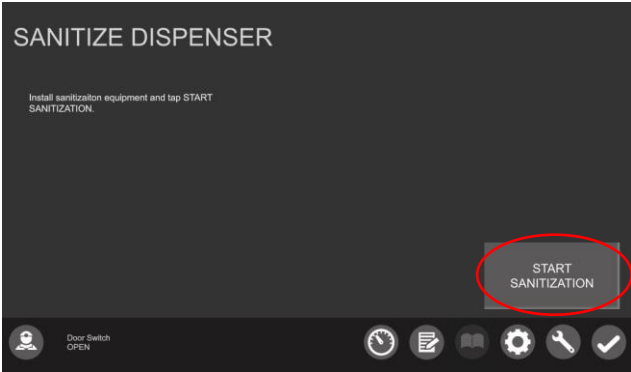
V. Prepare the Sweetener Line

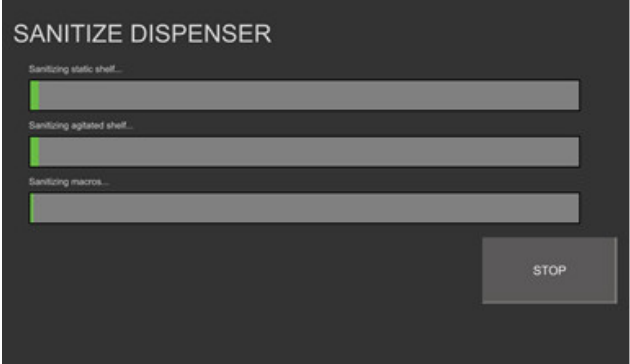
Step	Action
1.	Mix a fresh batch of Sanitizer as described in Section I: Prepare Sanitizer.
2.	Disable the <i>Backroom Syrup Pump</i> .
3.	Soak the <i>QD Connector</i> from the <i>QD Connector Kit for Sweetener Line</i> in <i>Sanitizer</i> for 2 minutes.

Step	Action
4.	<p>Locate where the <i>Sweetener Line</i> enters the <u>side</u> of the <i>CGP Module</i> and remove any insulation blocking access to the <i>Retaining Clip</i>.</p> <p>Note: The line entering the <i>CGP Module</i> from the top is the <i>Air Vent Exhaust Tube</i>.</p> 
5.	<p>Remove the <i>Sweetener Line</i> from the <i>CGP Module</i> by sliding the <i>Retaining Clip</i> away, and pulling the connector out of the <i>CGP Module</i>.</p> 
6.	<p>Connect the <i>QD Connector</i> to the <i>CGP Module</i> and slide the <i>Retaining Clip</i> into place to hold it securely.</p>
7.	<p>Insert the open end of the <i>Tubing</i> into the <i>Bucket of Sanitizer</i>.</p>
8.	<p>If the <i>Air Vent Exhaust Tube</i> is not plumbed into the drain, place the end in an empty bucket to catch any runoff.</p>

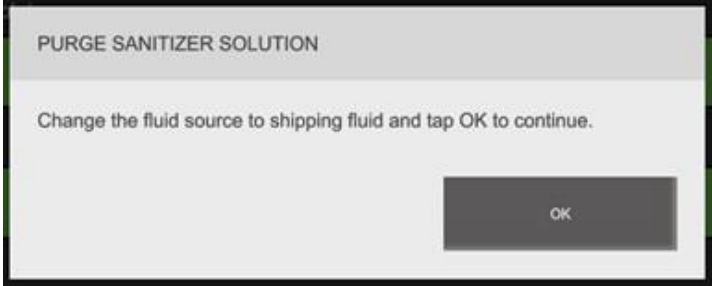
VI. Clean Product Lines


Step	Action
<p>1.</p>	<p>Log in as TECHNICIAN.</p> 
<p>2.</p>	<p>Select the UTILITIES icon to display the UTILITIES MENU.</p> 

Step	Action
<p>3.</p>	<p>Select SANITIZE DISPENSER to display the SANITIZE DISPENSER screen.</p>  <p>The screenshot shows a grid of control buttons. The 'SANITIZE DISPENSER' button in the top right corner is circled in red. Other buttons include 'BRAND CHANGE OUT', 'SOFTWARE UPDATE', 'LOCK DISPENSER', 'ACTIVATE REMOTE ASSISTANCE', 'REBOOT OPTIONS', 'SETUP DISPENSER', 'RESTORE DISPENSER', 'DOWNLOAD LOGS', and 'WINTERIZATION'. A bottom navigation bar contains icons for a list, manual, settings, and tools.</p>
<p>4.</p>	<p>Select the START SANITIZATION button.</p>  <p>The screenshot shows the 'SANITIZE DISPENSER' screen with the text 'Install sanitization equipment and tap START SANITIZATION.' A 'START SANITIZATION' button in the bottom right corner is circled in red. A bottom status bar shows 'Door Switch OPEN' and various system icons.</p> <p>Note: If the START SANITIZATION button is not enabled, check for errors or warnings regarding the <i>Cleaner Cartridges</i>, verify the door is open, and remove the <i>Cleaner Cartridges</i> and reinsert them.</p>

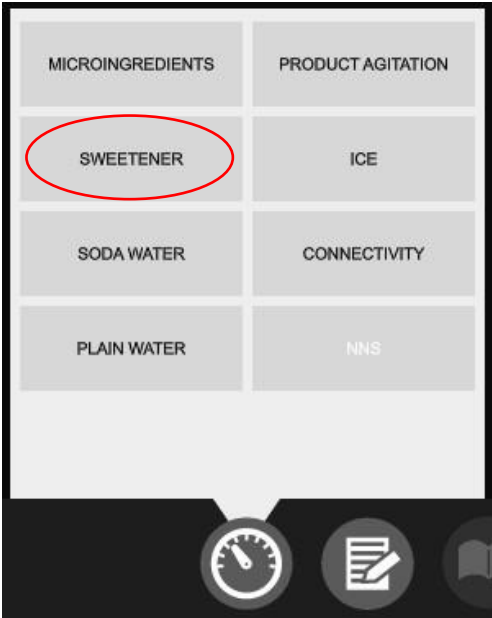
Step	Action
5.	<p>The dispenser now runs the cleaning process. This takes approximately 25 minutes. You can track the process with the SANITIZING PROGRESS BARS.</p> 

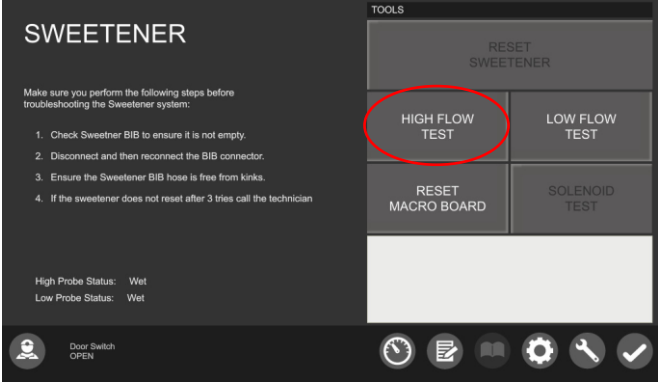
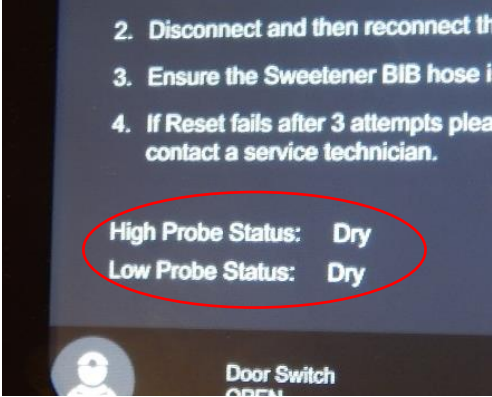
VII. Purge Product Lines


Step	Action
1.	<p>When the <i>Sanitization Process</i> completes the PURGE SANITIZER SOLUTION window displays. Select the OK button to begin purging. Allow the process to run. This takes approximately 3-5 minutes.</p>  <p>Note: Do not change fluid to shipping fluid. Leave <i>Cleaner Cartridges</i> in place.</p>

Step	Action
2.	<p>Once the process is complete the dispenser prompts you to finish. The SANITIZATION PROCEDURE COMPLETE window displays. Select the OK button.</p> 

VIII. Purge and Prime Sweetener

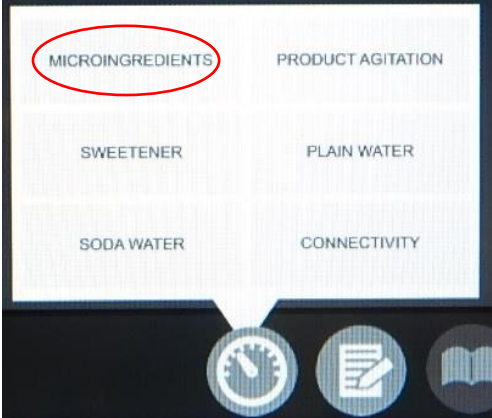
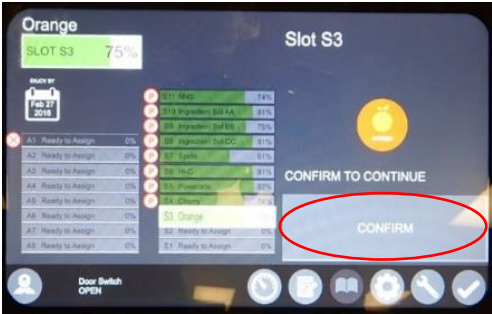
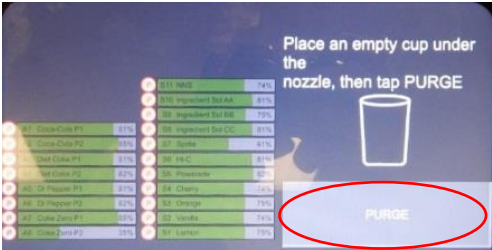
Step	Action
1.	Wash your hands thoroughly with warm water in a sink using detergent cleanser.
2.	Remove the <i>QD Connector</i> from the side of the <i>CGP Module</i> .
3.	<p>Select the SUBSYSTEMS ICON and choose SWEETENER.</p> 

Step	Action
<p>4.</p>	<p>Select the HIGH FLOW TEST button. Wait for the flow from the <i>Nozzle</i> to stop.</p> 
<p>5.</p>	<p>Repeat Step 4 until there is no more flow from the <i>Nozzle</i>. HIGH PROBE STATUS and LOW PROBE STATUS should both read "Dry".</p> 
<p>6.</p>	<p>Reconnect the <i>Sweetener Line</i> to the side of the <i>CGP Module</i>.</p>
<p>7.</p>	<p>Enable the <i>Backroom Syrup Pump</i>.</p>

Step	Action
8.	<p>Hold down the button on the <i>Vacuum Regulator</i> for 5 seconds.</p> 
9.	<p>Select the HIGH FLOW TEST button. Wait for the <i>CGP Module</i> to stop running.</p>
10.	<p>Repeat Step 9 6-7 times to prime the <i>Sweetener</i> and flush any remaining <i>Sanitizer</i> from the line.</p> <p>Note: If the flow from the Nozzle is slightly cloudy, <i>Sanitizer</i> is flowing from the <i>Nozzle</i>. If the flow is clear, <i>Sweetener</i> is flowing from the <i>Nozzle</i>.</p>

IX. Prime Microdose Product

Step	Action
1.	<p>Wash your hands thoroughly with warm water in a sink using detergent cleanser.</p>
2.	<p>Remove all <i>Trays</i> from the dispenser and remove the <i>Cleaner Cartridges</i> and <i>Cleaner Pouches</i>.</p>
3.	<p>Load <i>Product Cartridges</i> into <i>Trays</i>.</p>

Step	Action
4.	<p>Select the SUBSYSTEMS icon and choose MICROINGREDIENTS.</p> 
5.	<p>Load the proper <i>Product Cartridge Tray</i> into the top slot of the right-hand tower.</p>
6.	<p>Select the CONFIRM button.</p> 
7.	<p>Select the PURGE button to clean all <i>Sanitizer</i> from the lines and prime the product.</p> 
8.	<p>Load the proper <i>Product Cartridge Tray</i> into the slot below the one you just filled and perform Steps 6 and 7.</p>
9.	<p>Repeat Step 8 until the tower is completely full.</p>

Step	Action
10.	Load the proper <i>Product Cartridge Tray</i> into the top slot of the left-hand tower and perform Steps 6 through 9 .
11.	Close the tower doors and return the dispenser to the customer POUR screen.
12.	Pour a test beverage to ensure proper function of the dispenser.

X. Clean Remaining Parts and Surfaces

Step	Action
1.	Perform all the steps describe in Chapter 3: Daily Cleaning .
2.	Return the dispenser to normal service. <i>Annual Cleaning</i> is complete.