

Coca-Cola freestyle.

COCA-COLA FREESTYLE

Freestyle® 8000 / 9000 Cleaning



Document History

Date	Version	Author	Comments
12/29/2015	20151229*	Kurt Zettle-moyer	Complete conversion to new format
01/19/2016	10-0-0-42-20160119	Kurt Zettle-moyer	Added buildable cleaning cartridge instructions
01/25/2016	10-0-0-42-20160126	Kurt Zettle-moyer	Added Glossary and Index, added spider and drain cleaning, updated building cleaning cartridges
5/19/2016	10-0-0-42-20160519	Lindsey Bozung	Updated Daily Cleaning Instructions.

*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® 8000 or 9000 dispensers. Technical information can be found in the *Coca-Cola Freestyle® 8000 Technical Manual* and *Coca-Cola Freestyle® 9000 Technical Manual*.

Purpose

This document contains cleaning processes for the Coca-Cola Freestyle® 8000 and 9000 dispensers.

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**.

Cleaning for a Cartridge or Sweetener Change

CLEANING TO BE PERFORMED WHENEVER SWEETENER OR PRODUCT CARTRIDGES ARE CHANGED

Follow these steps before inserting a new cartridge, *NNS Bag in Box*, or *HFCS Bag in Box*. This process is applicable to both the Coca-Cola Freestyle® 8000 and Coca-Cola Freestyle® 9000 dispenser.



Step	Action
1.	Remove the <i>Product Cartridge(s)</i> or <i>NNS Bag in Box</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.	<p>When changing NNS, clean the compartment and connector with a clean <i>Cloth</i> dipped in <i>Sanitizer</i>.</p> 
4.	Wait 5 minutes to allow the <i>Sanitizer</i> to work and the IPN(s) to air dry.
5.	Perform Steps 1 through 3 again.

Daily Cleaning

CLEANING PROCESS TO BE COMPLETED EVERY DAY THE DISPENSER IS IN OPERATION

This process is applicable to both the Coca-Cola Freestyle® 8000 and Coca-Cola Freestyle® 9000 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)

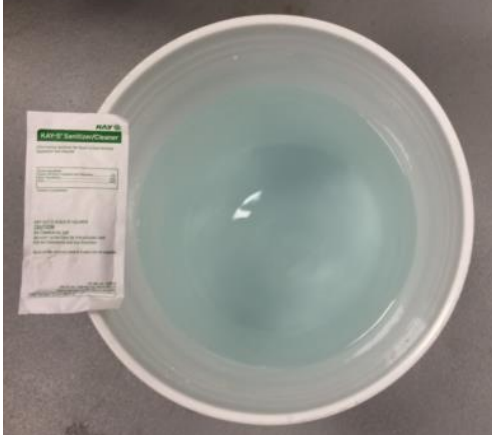


Clean, lint-free, soft cleaning Cloth

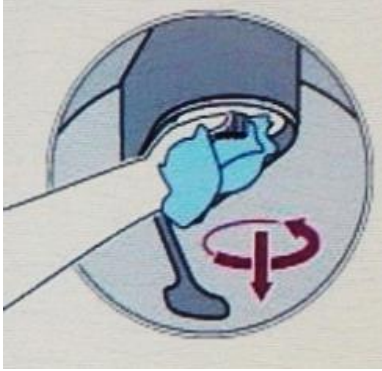

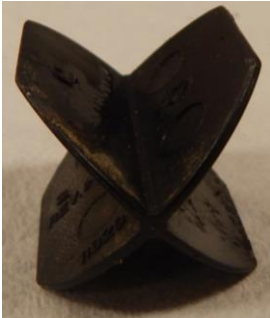


Cleaning Procedure


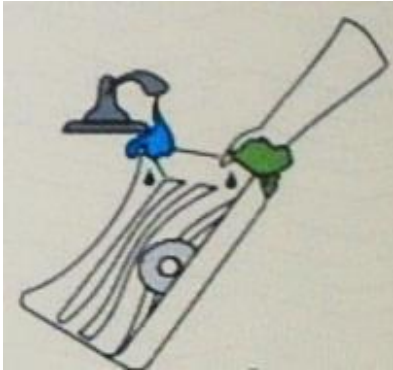
I. Prepare *Sanitizer*

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 be Cleaned Separately

Step	Action
1.	<p>Remove the Nozzle <i>Tip</i> by rotating it counter clockwise, and pulling it down from the Nozzle.</p> 
2.	<p>Remove the <i>Cup Rest</i>.</p> 
3.	<p>On the <i>CCFS 9000</i>, remove the black plastic drain <i>Spider</i> from the drain at the back of the <i>Drip Tray</i> by grasping the <i>Spider</i> and pulling it straight out.</p> 



III. Clean the Remove Parts

Step	Action
1.	Wash your hands thoroughly with hand soap and warm water.
2.	<p>Wash the <i>Nozzle Tip</i>, <i>Cup Rest</i> and <i>Spider</i> in the sink using warm water and <i>Detergent Cleanser</i>. Rinse thoroughly with warm water.</p> 
3.	<p>Clean the <i>Nozzle Tip</i>, <i>Cup Rest</i>, and <i>Spider</i> (CCFS 9000 only) with warm water and <i>Detergent Cleanser</i> using the <i>Parts Brush</i>. Rinse thoroughly 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.
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. 

Step	Action
3.	Repeat Steps 1 and 2 .

VI. Clean the Dispensing Area

Step	Action
1.	Clean the drain in the <i>Drip Tray</i> with the <i>Drain Brush</i> dipped in <i>Sanitizer</i> .
2.	<p>Using a clean <i>Cloth</i> dipped in <i>Sanitizer</i> clean the following:</p> <ul style="list-style-type: none"> • <i>Ice Lever</i> • <i>Drip Tray</i> • <i>Upper Door</i> • <i>User Interface</i> • Interior surfaces of the <i>Ellipse</i> <div data-bbox="711 1180 1143 1549" data-label="Image"> <p>The image shows a top-down view of a circular dispenser's interior. A hand is shown reaching into the center, cleaning a green, textured surface. The interior is divided into a light blue upper section and a dark blue lower section. A metal lever is visible in the upper section.</p> </div>
3.	Pour the remaining <i>Sanitizer</i> down the drain. Check for proper drain evacuation.

VII. Reinstall all Parts

Step	Action
<p>1.</p>	<p>Reinstall the <i>Nozzle Tip</i> using a sanitary cloth.</p> 
<p>2.</p>	<p>Reinstall the <i>Drip Tray</i>.</p>
<p>3.</p>	<p>Replace the <i>Spider</i> (CCFS 9000 only).</p>

Chapter

4

Weekly Cleaning

CLEANING PROCESS TO BE COMPLETED ONCE PER WEEK WHILE THE DISPENSER IS IN OPERATION

This process is applicable to both the Coca-Cola Freestyle® 8000 and 9000 dispenser.



Equipment Required

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)



Ice Chute Brush (Coca-Cola Part #: 143257)

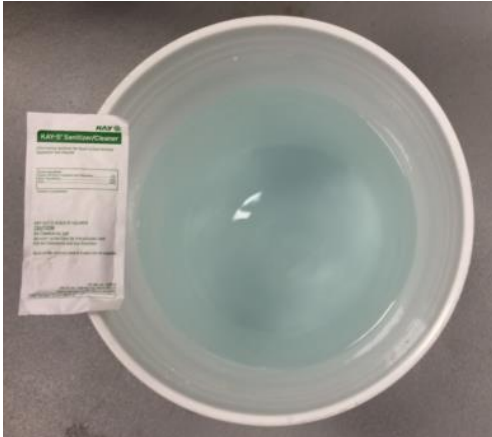


Clean, lint-free, soft cleaning Cloth



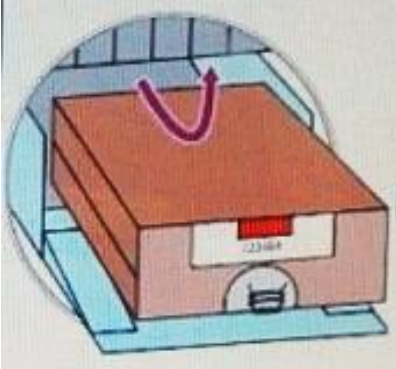

Cleaning Procedure



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.

Step	Action
3.	Bring the <i>Bucket</i> to the dispenser.

II. Clean the NNS Compartment

Step	Action
1.	<p>Remove the <i>NNS BiB</i> from its compartment. Ensure the connector on the BiB does not contact the floor or other surfaces.</p> 
2.	<p>Clean the <i>NNS Compartment</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i>.</p> 

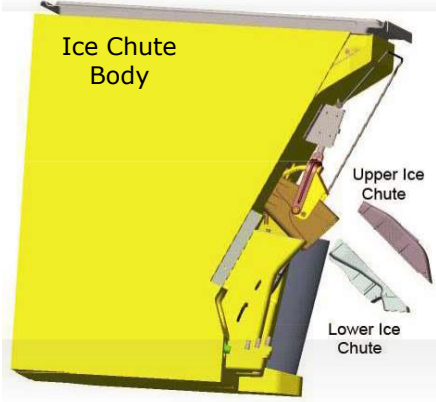
Step	Action
3.	<p>Clean the <i>NNS Connector</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i>. Wait 5 minutes.</p> 
4.	<p>Perform Steps 2 and 3 of this section.</p>
5.	<p>Return the <i>NNS BiB</i> to the compartment and reconnect it.</p> 

III. Disassemble the Ice Chute Assembly

This process applies to the Coca-Cola Freestyle® 9000 dispenser only.



Note: If there is an ice maker on the dispenser, follow the manufacturer’s instructions for cleaning schedules and process.

Step	Action
1.	Turn off power to the dispenser.
2.	<p>Remove the <i>Lower Chute</i> by carefully pulling on the front lip of the <i>Lower Chute</i>.</p>  <p>The diagram shows a yellow 'Ice Chute Body' with a grey 'Upper Ice Chute' and a purple 'Lower Ice Chute' attached to its side. Arrows indicate the removal direction for each part.</p>
3.	Remove the <i>Upper Chute</i> by carefully pulling on the upper lip of the <i>Upper Chute</i> .

IV. Wash the Ice Chute Parts

This process applies to the Coca-Cola Freestyle® 9000 dispenser only.



Step	Action
1.	Wash the <i>Upper Chute</i> and <i>Lower Chute</i> in the sink using warm water and Detergent Cleanser. Rinse thoroughly with warm water.
2.	Clean the <i>Upper Chute</i> and <i>Lower Chute</i> with warm water and <i>Detergent Cleanser</i> using the <i>Parts Brush</i> . Rinse thoroughly with warm water.
3.	Submerge the parts in <i>Sanitizer</i> for 2 minutes.

Step	Action
4.	Remove the parts from the <i>Sanitizer</i> and place them on a sanitary surface to air dry for 5 minutes.
5.	Clean the <i>Ice Chute Body</i> area with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> . Wait 5 minutes.

V. Reassemble the Ice Chute

This process applies to the Coca-Cola Freestyle® 9000 dispenser only.



Step	Action
1.	Re-install the <i>Upper Ice Chute</i> by pushing up and into the <i>Ice Chute Body</i> .
2.	Re-install the <i>Lower Ice Chute</i> by pushing up and into the bottom of the <i>Upper Ice Chute</i> until it clicks.
3.	Turn on power to the dispenser.

Chapter

5

Monthly Cleaning

CLEANING PROCESS TO BE COMPLETED ONCE PER MONTH WHILE THE DISPENSER IS IN OPERATION

This process is applicable to both the Coca-Cola Freestyle® 8000 and 9000 dispenser.



Equipment Required

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)



Clean, lint-free, soft cleaning Cloth

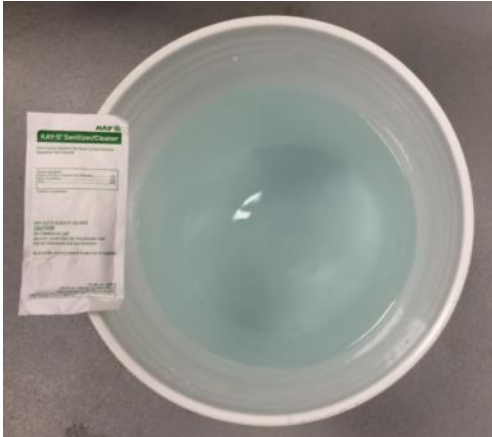


Drain Brush (Coca-Cola Part #: 28076)



Cleaning Procedure

I. Prepare Sanitizer

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

Step	Action
3.	Bring the <i>Bucket</i> to the dispenser.

II. Disassemble the Ice Bin (9000)

This process applies to the Coca-Cola Freestyle® 9000 dispenser only.



Note: If there is an ice maker on the dispenser, follow the manufacturer’s instructions for cleaning schedules and process.

Step	Action
1.	Place a cup under the ice lever and dispense all the ice in the <i>Ice Bin</i> .
2.	Unplug the dispenser and remove the ice bin lid.
3.	Pour <u>warm</u> water slowly into the bin to melt the remaining ice on the cold plate. Never use hot water as this may damage the equipment. Note: Water must be poured slowly to prevent it from overflowing the <i>Ice-Bin</i> drain.)
4.	Remove the <i>Agitator Bar</i> : i. Unscrew the agitator lock plate. ii. Slide the <i>Agitator Bar</i> towards the back of the dispenser to disengage the shaft from the motor. iii. Pull the <i>Agitator Bar</i> forward to remove shaft from rear bearing.
5.	Remove the <i>Ice Bin Divider</i> by grabbing the hole in the bottom of the bin and lifting the divider out of the bin.

III. Clean the Ice Bin Parts (9000)

This process applies to the Coca-Cola Freestyle® 9000 dispenser only.




Step	Action
1.	Wash the <i>Agitator Bar</i> and <i>Ice Bin Divider</i> in the sink using warm water and <i>Detergent Cleanser</i> . Rinse thoroughly with warm water.
2.	Clean the <i>Agitator Bar</i> and <i>Ice Bin Divider</i> in the sink with warm water and <i>Detergent Cleanser</i> using the <i>Parts Brush</i> . Rinse thoroughly with warm water.
3.	Clean the <i>Agitator Bar</i> and <i>Ice Bin Divider</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> .
4.	Place the <i>Agitator Bar</i> and <i>Ice Bin Divider</i> on a sanitary surface to air dry for 5 minutes.
5.	Clean the <i>Ice Bin Drain</i> with the <i>Drain Brush</i> dipped in <i>Sanitizer</i> .
6.	Clean the inside of the <i>Ice Bin</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> .
7.	Clean the outside panels of the dispenser with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> to remove any buildup on the outside of the dispenser. Wait 5 minutes.
8.	Perform Steps 6 and 7 again.

IV. Disassemble the Ice Bin Parts (8000)

This process applies to the Coca-Cola Freestyle® 8000 dispenser only.



Step	Action
1.	Unplug the dispenser and open the <i>Ice Bin Lid</i> .
2.	Scoop all the ice out of the <i>Ice Bin</i> .
3.	Pour <u>warm</u> water slowly into the bin to melt the remaining ice on the cold plate. Never use hot water as this may damage the equipment.
4.	<p>Remove the <i>Spider</i> from the drain in the left hand corner closest to the front of the dispenser.</p> 

V. Clean the Ice Bin Parts (8000)

This process applies to the Coca-Cola Freestyle® 8000 dispenser only.



Step	Action
1.	Wash the <i>Spider</i> in the sink using warm water and <i>Detergent Cleanser</i> . Rinse thoroughly with warm water.

Step	Action
2.	Clean the <i>Spider</i> with warm water and <i>Detergent Cleanser</i> using the <i>Parts Brush</i> . Rinse thoroughly with warm water.
3.	Submerge the <i>Spider</i> in <i>Sanitizer</i> for 2 minutes.
4.	Remove the <i>Spider</i> from the <i>Sanitizer</i> and place it on a sanitary surface to air dry.
5.	Clean the <i>Ice Drain Bin</i> with the <i>Drain Brush</i> dipped in <i>Sanitizer</i> .
6.	Clean the inside of the <i>Ice Bin</i> with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> .
7.	Clean the outside panels of the dispenser with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> to remove any buildup on the outside of the dispenser. Wait 5 minutes.
8.	Perform Steps 6 and 7 again.
9.	Pour the remaining <i>Sanitizer</i> slowly into the <i>Ice Bin</i> to flush the unit.

VI. Restore the Dispenser to Service

This process is applicable to both the Coca-Cola Freestyle® 8000 and 9000 dispenser.



Step	Action
1.	Reinstall all components.
2.	Fill the bin with ice
3.	Restore power to the dispenser.

Annual Cleaning

CLEANING PROCESS TO BE COMPLETED ONCE PER YEAR WHILE THE DISPENSER IS IN OPERATION

This process is applicable to both the Coca-Cola Freestyle® 8000 and Coca-Cola Freestyle® 9000 dispenser.



Equipment Required

Equipment Required

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



Detergent Cleanser appropriate for food grade surfaces



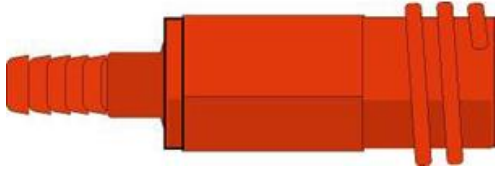
Kay 5 Sanitizer, 2 1-oz packets (Coca-Cola Part #: 25823)



Parts Brush (Coca-Cola Part #: 954412)



Flush Adapters (2) (Coca-Cola Part # 28688)



Clean, lint-free, soft cleaning Cloth



14.5 Oetiker Clamps (2) (Coca-Cola Part # 10464 recommended)



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



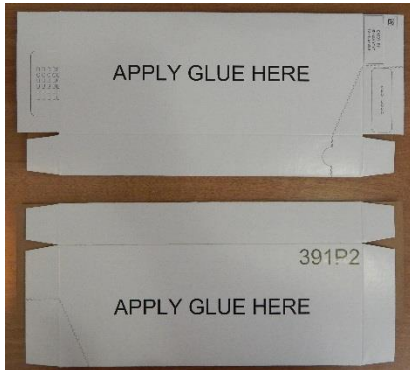
High Range Chlorine Test Strips



Empty Pouches (36)



Empty Double Cartridge Boxes (12 left-side #391P1, 12 right-side #391P2, RFID tags set to "Sanitizer")



Empty Single Cartridge Boxes (12, RFID tags set to "Sanitizer")



Empty Cartridge Holders (12 double and 12 single)



3/8" Tubing, ≈ 36" in length (2)

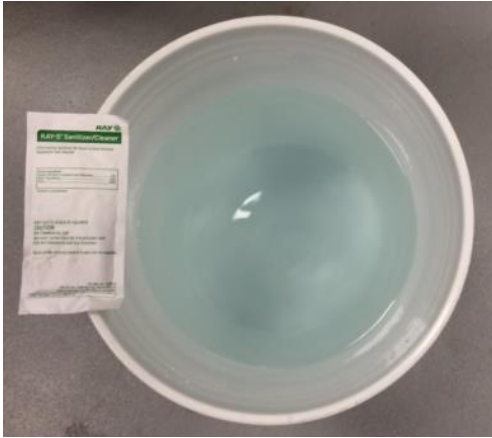


Oetiker Tool




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 IPN of the <i>Pouch Filler</i> into an empty <i>Pouch</i> .

Step	Action
2.	<p>Carefully pour 680 ml of <i>Sanitizer</i> into the funnel of the <i>Pouch Filler</i>.</p> 
3.	<p>Once the funnel and tubing are empty, gently squeeze the <i>Pouch</i> to ensure as much air as possible is removed from the <i>Pouch</i>.</p>
4.	<p>Remove the IPN from the <i>Pouch</i>.</p>
5.	<p>Repeat Steps 1 through 4 until you have 36 <i>Pouches</i> filled with <i>Sanitizer</i>.</p>


III. Assemble Cleaner Cartridges

Step	Action
1.	<p>Place 12 of the filled <i>Pouches</i> in to the 12 <i>Single Cartridge Boxes</i>.</p>


Step	Action
2.	<p>Tape the boxes shut. These are <i>Single Cleaner Cartridges</i>.</p> 
3.	<p>Place the <i>Single Cleaner Cartridges</i> (with the <i>RFID Tag</i> up) into <i>Single Cartridge Holders</i>. Make sure the first lip of the <i>IPN Connector</i> is firmly in the outer slot of the holder.</p> 
4.	<p>Place 12 of the filled <i>Pouches</i> into the 12 left-side #391P1 <i>Double Cartridge Boxes</i>.</p>
5.	<p>Place 12 of the filled <i>Pouches</i> into the 12 right-side #391P2 <i>Double Cartridge Boxes</i>.</p>
6.	<p>Tape all the boxes shut, then tape the left-side boxes to the right-side boxes. The sides labeled "APPLY GLUE HERE" must touch and the IPN connectors must face the same direction. These are <i>Double Cleaner Cartridges</i>.</p> 

Step	Action
7.	<p>Place the <i>Double Cleaner Cartridges</i> into the 12 <i>Double Cartridge Holders</i> with the <i>RFID Tag</i> up. Make sure the first lip of the <i>IPN Connectors</i> are firmly in the outer slots of the holders.</p> 

IV. Assemble Flush Adapters and Tubing


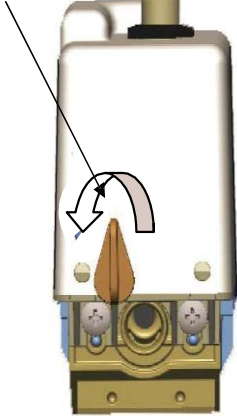
Step	Action
1.	<p>Affix a <i>3/8" Tubing</i> to each <i>Flush Adapter</i>. Push the <i>Tubing</i> as far onto the <i>Adapter</i> as possible.</p>
2.	<p>Use the <i>Oetiker Tool</i> to secure the <i>Tubing</i> to the <i>Adapters</i> with 1 <i>Oetiker Clamp</i> for each assembly. Do not over-tighten the <i>Oetiker Clamp</i>.</p> 

V. Prepare the HFCS Line



Step	Action
1.	Verify the <i>CO₂ Supply</i> is on.
2.	Prepare <i>Sanitizer</i> in a <i>Bucket</i> as describe in Section I: Prepare Sanitizer . Note: Prepare 5 gallons plus 1 gallon for every 100 feet over 200 feet of line from the <i>Backroom</i> .
3.	Disconnect the green <i>HFCS Connector</i> from the BiB of HFCS and clean it with a <i>Parts Brush</i> and <i>Sanitizer</i> .
4.	Allow it to soak in <i>Sanitizer</i> for 2 minutes.
5.	Connect the <i>Flush Adapter and Tubing</i> you assembled earlier to the green <i>HFCS Connector</i> . 
6.	Insert the open end of the <i>Tubing</i> into the <i>Bucket of Sanitizer</i> .

VI. Fill the HFCS Line with *Sanitizer*



Step	Action
1.	Log in as Technician .

Step	Action
2.	<p>Open the Upper <i>Door</i> and locate the <i>HFCS FCM</i> on the left side.</p> 
3.	<p>Fill the <i>HFCS</i> circuit with <i>Sanitizer</i> by turning the yellow lever on the front of the FCM until <i>Sanitizer</i> flows from the nozzle. Use a <i>High Range Chlorine Test Strip</i> to verify the presence of <i>Sanitizer</i> at 100 PPM.</p> 
4.	Run at least 64 oz of <i>Sanitizer</i> . Wait 10 minutes
5.	Repeat Step 4 twice for a total of 3 cycles.
6.	Refill the <i>Bucket</i> with <i>Sanitizer</i> to the 5 gallon mark as required. Prepare <i>Sanitizer</i> in a <i>Bucket</i> as describe in Section I: Prepare Sanitizer .

VII. Clean the NNS Connectors and Surfaces

Step	Action
1.	Remove the <i>NNS BiB</i> and set it aside. Ensure the connector on the <i>BiB</i> does not touch the floor or any other surface.
2.	<p>Remove the <i>Locking Collar</i> from the tray by pressing in the tab on the back, twisting clockwise, and pulling up.</p> 
3.	<p>Clean the <i>Tray Connector</i> with a clean cloth dipped in <i>Sanitizer</i> until the cloth comes away clean.</p> 
4.	Wash the <i>Locking Collar</i> in a sink with <i>Detergent Cleanser</i> . Rinse thoroughly with warm water.
5.	Soak the <i>Locking Collar</i> in <i>Sanitizer</i> for 2 minutes, then place it on a sanitary surface to dry.

VIII. Connect *Sanitizer* to the NNS Circuit

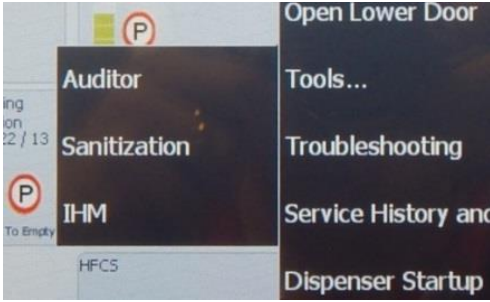
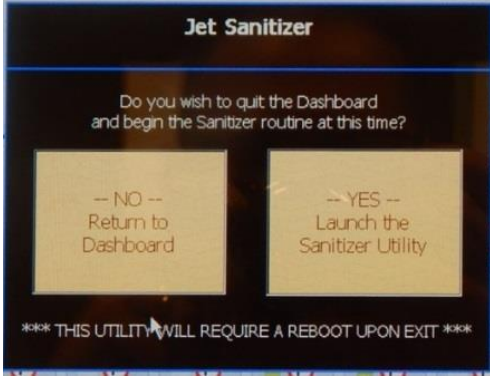

Step	Action
1.	<p>Push the <i>Flush Adapter and Tubing</i> over the <i>BiB Connector</i> in the <i>NNS Tray</i>. This is a friction fit only.</p> 
2.	<p>Prime the <i>Tubing</i> by holding the open end up and carefully filling the <i>Tubing</i> with <i>Sanitizer</i>.</p> 
3.	<p>When the entire length of <i>Tubing</i> is full (with no air pockets), hold your thumb over the end of the <i>Tubing</i> so no <i>Sanitizer</i> escapes, and submerge the open end in a <i>Bucket</i> of <i>Sanitizer</i>.</p> <p>Note: You should now have 2 <i>Buckets</i> with approximately 5 gallons of <i>Sanitizer</i> each. One <i>Bucket</i> holds the <i>HFCS Line</i>, the other holds the <i>NNS Line</i>.</p>

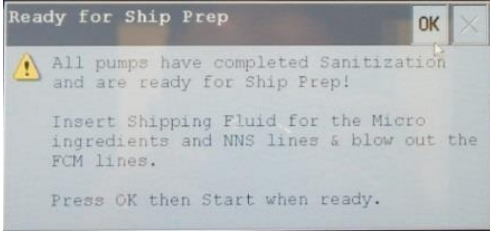
IX. Prepare the Microdose Subsystem

Step	Action
1.	Remove all <i>Product Cartridges</i> from the dispenser.
2.	Clean all the IPN connectors with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> until the <i>Cloth</i> comes away clean.
3.	Clean all interior surfaces of the product cartridge area with a clean <i>Cloth</i> dipped in <i>Sanitizer</i> . Wait 5 minutes.
4.	Insert <i>Cleaner Cartridges in Holders</i> in all slots.


X. Run the Sanitization Process

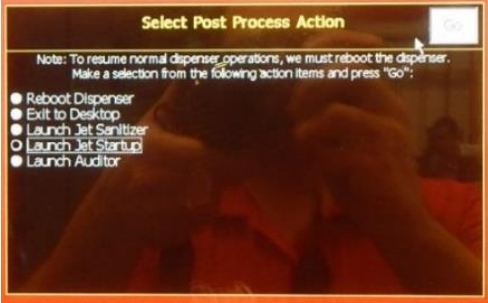

Step	Action
1.	<p>Select SERVICE MENU to display the SERVICE MENU drop-down menu.</p>

Step	Action
2.	<p>Select TOOLS to display the TOOLS menu.</p> 
3.	<p>Select SANITIZATION to display the JET SANITIZER window.</p> 
4.	<p>Select. "--Yes-- Launch the <i>Sanitizer Utility</i>" to display the JET SANITIZER screen.</p> 
5.	<p>Select the START button. The cleaning process takes approximately 30 minutes.</p> <p>Note: You may see a SIGNIFICANT PUMP ACTIVITY DETECTED window display. Disregard this message. Press the OK button to continue.</p>

Step	Action
6.	<p>When the <i>Cleaning Process</i> is complete the READY FOR SHIP PREP window displays. Select the OK button.</p> 

XI. Return the Dispenser to Operational State

Step	Action
1.	Remove the red <i>Flush Adapter</i> from the <i>HFCS Connector</i> and turn the <i>HFCS FCM</i> until <i>Sanitizer</i> stops flowing from the nozzle.
2.	<p>Reconnect the <i>Locking Collar</i> on the NNS tray by pressing down and turning it counter-clockwise.</p> 
3.	Load the dispenser with <i>Product Cartridges</i> , <i>HFCS</i> , and <i>NNS</i> as required for normal operation.
4.	Close the <i>Upper Door</i> , then the <i>Lower Door</i> .

Step	Action
5.	<p>Select the LAUNCH JET SETUP option then select the GO button.</p> 
6.	<p>Select the START button and allow the DISPENSER STARTUP process to run. This purges all <i>Sanitizer</i> and prepares the dispenser for normal operation.</p> 
7.	<p>When the STARTUP process completes, return the dispenser to the normal consumer dispensing screen.</p>
8.	<p>Perform all the steps in Chapter 3: Daily Cleaning.</p>

Chapter

6

Water Circuit Cleaning

CLEANING PROCESS TO BE COMPLETED FOLLOWING A BOIL WATER ALERT

This process is applicable to both the Coca-Cola Freestyle® 8000 and Coca-Cola Freestyle® 9000 dispenser.



Equipment Required

Equipment Required

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



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



Low Range Chlorine Test Strips

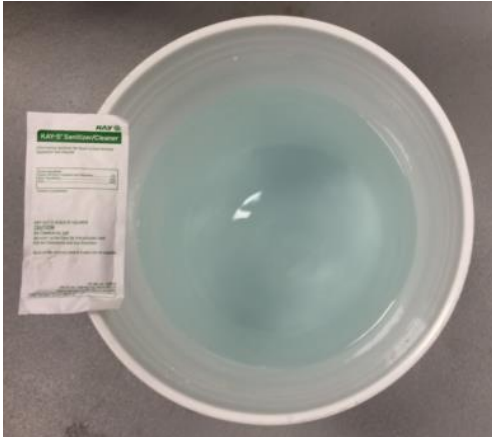


Hose Cutting Tool



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. Carbonated Water Circuit Prep

Step	Action
1.	Turn <u>off</u> power to the dispenser.
2.	Locate and shut off incoming water supply.

Step	Action
3.	Use a <i>Hose Cutting Tool</i> to cut the water supply line to the dispenser.
4.	Place the end of the water line into the <i>Bucket of Sanitizer</i> .
5.	Turn off the plain water line inside the dispenser utilizing the ball valve on the <i>Legacy Module</i> .

III. Remove Carbonated Water from the System

Step	Action
1.	Turn <u>off</u> power to the dispenser.
2.	Locate and shut off incoming water supply.
3.	Cut the water supply line to the dispenser.
4.	Place the end of the water line into the <i>Bucket of Sanitizer</i> .
5.	Turn off the plain water line inside the dispenser utilizing the ball valve on the <i>Legacy Module</i> .

IV. Remove CO₂ from the System

Step	Action
1.	Turn the CO ₂ Supply off to the dispenser.

Step	Action
2.	Turn on power the dispenser on.
3.	The carbonator pump may turn on and fill to the high probe level.
4.	Turn the manual lever on the Carbonated Water FCM until water flows. Note the flow rate is lower than usual.
5.	Open the carbonator relief valve and disconnect the carbonator probe harness (located on the Power Supply Module, last connector on top row near the rear of the PSM). This forces the carbonator pump to turn on.
6.	Plug the carbonator probe harness back in once liquid sprays from the relief valve. The system is now "flooded".

V. Cycle the Carbonator

Step	Action
1.	Ensure the dispenser and the CO ₂ Supply are on.
2.	Turn the manual lever on the Carbonated Water FCM until you hear the carbonator motor running.
3.	Once the carbonator motor turns on, release the manual lever and allow the motor to continue until it turns off. This should be around 4 to 5 seconds. If the motor short cycles, repeat.
4.	Perform Steps 1 through 3 twice for a total of 3 cycles.



VI. Repeat “Remove and Cycle” Processes

Step	Action
1.	Perform all the steps in Sections III and IV . Wait 10 minutes.
2.	Perform all the steps in Sections III through V .
3.	Perform Step 1 of this section.
4.	Perform Step 2 of this section.
5.	Perform Step 1 of this section. Note: This process takes approximately 45 minutes.

VII. Flush the *Sanitizer*

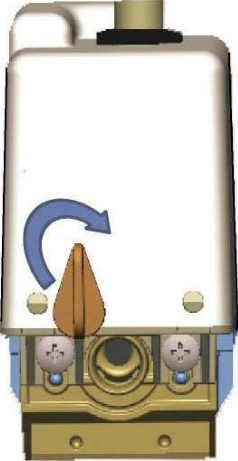
Step	Action
1.	Reconnect the water source to the main water supply line.
2.	Perform all the steps in Sections III and IV .
3.	Repeat Step 2 of this section until all residual <i>Sanitizer</i> is gone. Use a <i>Low Range Chlorine Test Strip</i> to verify the presence of <i>Sanitizer</i> is <u>less than 4 PPM</u> .

VIII. Empty the Water Booster

Step	Action
1.	Locate and shut off the incoming water supply. 
2.	Close the Carbonated water supply line with the ball valve on the <i>Legacy Module</i> .
3.	Place a <i>Bucket</i> under the <i>Water Valve</i> of the <i>Water Booster</i> and hold the valve open. 
4.	When water stops flowing from the valve, release the <i>Water Valve</i> .

IX. Clean the Water Circuit

Step	Action
1.	Cut the water supply line to the <i>Water Booster</i> .

Step	Action
2.	Fill the <i>Bucket</i> with 5 gallons of <i>Sanitizer</i> and place the end of the line-in to the <i>Water Booster</i> in the <i>Bucket of Sanitizer</i> . Note: The <i>Bucket</i> must be <u>at the same height</u> as the <i>Water Booster</i> or slightly higher.
3.	Turn the manual lever on the <i>Plain Water FCM</i> (on the right side of dispenser closest to the wall) and hold it until <i>Sanitizer</i> flows from the <i>Nozzle</i> . 
4.	Run 64 oz of <i>Sanitizer</i> . Wait 10 minutes.
5.	Perform Step 4 <i>twice</i> for a total of 3 cycles.

X. Flush the Water Circuit

Step	Action
1.	Remove the <i>Water Booster</i> in-line from the <i>Bucket of Sanitizer</i> .
2.	Place a <i>Bucket</i> under the <i>Water Valve</i> of the <i>Water Booster</i> and hold the valve open. <i>Sanitizer</i> empties from the <i>Water Booster Tank</i> .

Step	Action
3.	When <i>Sanitizer</i> stops flowing from the <i>Water Booster Tank</i> , re-connect the <i>Water Booster</i> in-line to the water source.
4.	Turn the water source on.
5.	Turn the manual lever on the Plain Water FCM and hold it for 60 seconds.
6.	Repeat Step 5 of this section until <i>Sanitizer</i> is no longer detectable. Use a <i>Low Range Chlorine Test Strip</i> to verify the presence of <i>Sanitizer</i> <u>is less than 4 PPM</u> .
7.	Turn on the carbonated water supply line utilizing the ball valve on the <i>Legacy Module</i> .

Glossary

GLOSSARY OF TERMS

-A- -B-

- **Boil Water Alert:** a public health advisory given by government or health authorities to consumers when a community's drinking water is, or could be, contaminated by pathogens.

-C-

- **Cartridge Box:** a cardboard box used to hold microdose ingredient *Pouches*. *Cartridge Boxes* come in 2 sizes, Single and Double. Double *Cartridge Boxes* are slight larger than Singles, and 2 must be glued or taped together before being inserted into a Double *Cartridge Holder*.
- **Cartridge Holder:** a plastic tray that holds *Cartridge Boxes*. *Cartridge Holders* come in 2 sizes, Single and Double. Double *Cartridge Holders* hold 2 Double *Cartridge Boxes*.
- **CCFS 8000:** project name for the Gulfstream crew-served dispenser: *Coca-Cola Freestyle® 8000*
- **CCFS 9000:** project name for the Gulfstream self-serve dispenser: *Coca-Cola Freestyle® 8000*
- **Cleaner Cartridge:** a *Cartridge Box* containing a *Pouch* of *Sanitizer* and labeled with an *RFID Tag* reading "Sanitizer".

-D-

- **Door, Lower:** the door used to access the lower half of the inside of the dispenser (ingredients shelves). The *Lower Door* must be opened before opening the *Upper Door*.
- **Door, Upper:** the door used to access the upper half of the inside of the dispenser. The *Lower Door* must be opened before opening the *Upper Door*.
- **Dispense Lever:** a protruding metal piece inside the *Ellipse* that, when depressed after a drink selection is made, dispenses a volume of the selected beverage
- **Drip Tray:** the tray under the *Cup Rest* intended to catch drips, spills, and excess ice from the *Ellipse* area.

-E-

- **Ellipse:** the recessed area at the front of the dispenser where beverages are dispensed. It contains the *Nozzle*, *Dispensing Lever*, *Ice Lever*, *Cup Rest*, and *Drip Tray*.

-F-

- **Flow Control Module (FCM):** the

-G- -H-

- **HFCS Line:** the tubing that leads from the *HFCS BiB* in the *Backroom* to the *Nozzle*.
- **High Fructose Corn Syrup (HFCS):** the general sweetener used as a macro-ingredient in all carbonated beverages; on the contrary, *Non-Nutritive Sweetener (NNS)* is typically used as the sweetener macro-ingredient within diet beverages.

-I-

- **Ice Lever:** a protruding metal piece inside the *Ellipse* of the CCFS 9000 that dispenses ice as long as the lever is depressed (not present on the CCFS 8000)

-J- -K- -L- -M-

- **Macro-ingredients:** fluid ingredients that generally make up larger than 10% of a given Coca-Cola beverage; Plain Water, Soda (Carbonated) Water, and Sweetener are all considered macro-ingredients for Coca-Cola products; macro-ingredients are also generally stored externally to the dispenser
- **Microdose:** fluid ingredients that generally make up less than 10% of a given Coca-Cola beverage and are exclusive to Freestyle; brand components and flavor ingredients are considered micro-ingredients for Coca-Cola products.

-N-

- **NNS (Non-Nutritive Sweetener):** the macro-ingredient sweetener used in diet beverages such as Diet Coke.
- **Nozzle Assembly:** the component within the dispense tower that connects to the ingredient lines to facilitate the dispensation and mixing of fluid ingredients; macro-ingredients travel down the center of the nozzle and create a uniform stream, while micro-ingredients are "shot" into the stream at a specified target to enable the mixing of the beverage with the required ingredient accuracy
- **NNS Line:** the tubing that leads from the *NNS BiB* in the *NNS Compartment* to the *Nozzle*.
- **Nozzle Ring (Lower):** the part of the *Nozzle Assembly* surrounding the *Nozzle Tip*
- **Nozzle Tip:** a removable part of the *Nozzle Assembly* where water, sweetener, and ingredients meet before flowing into the customer's cup

-O- -P-

- **Pouch:** a plastic pouch that holds *Microdose Ingredients* or *Sanitizer*. A *Pouch* must be in a *Cartridge Box* with a valid *RFID Tag* before use.
- **Priming:** the process of introducing fluid into a pump to improve the sealing of the pump parts upon startup as well as to expel air from the pump/ingredient line

-Q- -R-

- **RFID Tag:** a Radio Frequency Identification Tag on a *Cartridge Box* that tells the dispenser the contents of the cartridge.
- **RFID Tag Window:** the opening in the top of a *Cartridge Holder* that exposes the *RFID Tag* on the *Cartridge Box*

-S-

- **Sanitizer:** a substance or preparation for killing germs, designed for use especially on food-processing or dispensing equipment. The Coca-Cola Company recommends Kay-5 brand (*Coca-Cola Part #: 25823*) for cleaning the CCFS 8000 and CCFS 9000 dispensers.
- **Spider:** a device inside a *Drip Tray* drain that allows liquids to pass through while stopping most solids.
- **Splash Plate:** the metal plate located behind the *Dispense Lever* in the *Ellipse* that protects the dispenser from any "splashes" that may result from dispensing a beverage
- **Sweetener:** a macro fluid ingredient that is used as a main component within beverages to sweeten the drink

-T- -U-

- **User Interface:** the touch screen above the *Ellipse* used to access the computer-controlled functions of the dispenser (dispensing beverages, sanitization functions, etc.)

-V- -W-

- **Water Circuit:** the path through the dispensers tubing through which water may flow. It includes the plain water line, the carbonation tank, the carbonated water line, and the *Nozzle*.

-X- -Y- -Z-

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