

# Coffee Freshness System (CFS) Model Number CF055

[Quick Start Guide]

## Important Safety Notice:

*The Coffee Freshness System (CFS) uses pressurized gas. **NEVER** open the Airtight Canister lid latch when the system is in 'Preservation' mode, e.g. Pressurized.*

## 1: System set-up

1.1 For the On-board CO2 Gas Tank Option. Install the gas bottle: Remove top cover by loosening thumb screws (Fig-1). Thread gas bottle into regulator clockwise until tight and gas doesn't leak out (Fig-2). **If not tight enough, you will see Red Alarm at Start**

(Fig-1) Cover removal



(Fig-2) Install gas bottle



1.2 External CO2 Gas Tank Option. Follow section 3.4 of the Operation and Maintenance Manual.

1.3 Plug the Power adapter into a 120VAC outlet and connect to rear of CFS Base.

1.4 Install Airtight Canister on Base (Fig-3) and secure into place by lifting the two levers upward then rotating inward 90 degrees over the lower edge of the Airtight Canister (Fig-4) and pushing down as shown in (Fig-5).

(Fig-3) Install Airtight Canister.



(Fig-4) Move levers up.



(Fig-5) Move levers down.



## 2: Filling the canister with coffee

**WARNING - BEFORE OPENING: ENSURE AIRTIGHT CANISTER IS NOT PRESSURIZED.**

(Note: The Airtight Canister can be filled with whole bean or ground coffee.)

- 2.1 Open Airtight Canister lid by lifting the latch and unhooking from the lid.
- 2.2 Fill with coffee.
- 2.3 Re-connect the latch to the slot in the lid and close the latch.

## 3: Run the preservation cycle

- 3.1 Turn the Main Power 'I/O' On.
- 3.2 Turn the 'VENT / PRESERVE' switch ON. Preservation cycle runs automatically (Green LED flashes) and stops when complete (Green LED remains on). ***You will hear valves switch on and off and gas flow; this is normal and takes about 2 minutes.***
- 3.3 ***[Important: with the External CO2 Gas Tank Option, the time of each gas fill cycle needs to be 10 to 30 seconds. If the time is short, the gas regulator pressure is too high and dilution of oxygen will NOT be sufficient. Lower the gas pressure until the fill time is in the range described above. Take the reverse course of action if the fill time is too slow, e.g. a red alarm occurs for not filling.***
- 3.4 If the Red 'PRESERVING' LED flashes, refer to Section 8 below, "Alarms and Troubleshooting" or Section 10 of the Operation and Maintenance Manual "Alarms".
- 3.5 Leave system ON in preservation mode until you need to take out coffee for brewing.

## 4: Opening the Airtight Canister to remove a dose of coffee for brewing

**Reminder - NEVER open the latch to the Airtight Canister when Pressurized.**

- 4.1 Turn Off the 'VENT / PRESERVE' switch. Wait 30 seconds while system vents.

4.2 **[IMPORTANT FOR SAFETY]** Ensure Green LED labeled 'OK TO OPEN' is illuminated before opening. If not, contact Coffee Freshness System Support either by email at '[support@coffeefreshness.com](mailto:support@coffeefreshness.com)' or by phone at (408)-649-4124.

4.3 Open Airtight Canister lid by lifting the latch.

4.4 Remove dose of coffee, then ensure lid seal and Airtight Canister top are clean (see section 7.1.1), then reconnect latch to lid and close latch.

4.5 Turn the 'VENT / PRESERVE' switch ON.

4.6 Repeat steps 3.1 - 4.4 to preserve your coffee beans or grounds and remove doses for brewing as often as needed.

## **5: Procedure for removing Airtight Canister from Base assembly**

**Note:** The Airtight Canister can be removed in either the Preservation (Pressurized) or Vent (non-Pressurized) mode.

5.1 Turn the Main Power switch 'I / O' Off.

5.2 Lift the two securing levers upward (Fig-4), then rotate the levers outward 90 degrees away from the lower edge of the Airtight Canister.

5.3 Lift the Airtight Canister upward and over the two locating posts on the Base assembly.

## **6: Installing Airtight Canisters while in Preservation (Pressurized) mode**

6.1 Turn Main Power 'I/O' and 'VENT / PRESERVE' switches off.

6.2 Install Airtight Canister by placing over the two posts on the Base Assembly and securing in place as described in step 1.4.

## **7: Maintenance**

7.1 Preventing system leaks. Note: The system operates above atmospheric pressure, therefore it is important to keep the system free from leaks.

7.1.1 Keep the lid o-ring and top surface of the Airtight Canister clean.

a. Clean lid o-ring and top surface of Canister weekly or as needed if leaks.

b. Use damp microfiber towel to wipe the o-ring and top surface of Canister.

7.1.2 Keep the Base assembly o-ring and Airtight Canister check valve surface clean.

a. Clean the o-ring on the baseplate and the Airtight Canister check valve surface once weekly or as needed if leaks develop.

b. Use damp microfiber towel to clean the base o-ring and Canister valve.

7.2: Cleaning the Airtight Canister

7.2.1 Clean the Airtight Canister before filling with a new batch of coffee to avoid build up of coffee oils.

7.2.2 Use a damp (not dripping) microfiber towel [Provided] to gently wipe the internal areas of the Airtight Canister and remove oils, coffee particles and debris.

7.2.3 Alternatively, you can remove the lid and check valve as directed in Section 9.2.5 of the Operation and Maintenance Manual and wash in soapy water or a dishwasher.

### 7.3: Replacing the gas bottle

7.3.1 The gas bottle typically needs to be replaced monthly.

7.3.2 An empty gas bottle is indicated during the preservation cycle when the Red LED above the 'PRESERVING' label flashes 3 times.

7.3.3 Remove the top cover of the base unit by loosening the rear thumb screws (Fig-3).

7.3.4 Remove the gas bottle by turning counter-clockwise.

7.3.5 Install a new gas bottle by following step 1.1 (Fig-2).

## 8: Alarms and Troubleshooting

8.1 Alarm codes: There are 3 alarms indicated by Red LED labeled 'PRESERVING':

- a. Flash 3 times - System didn't reach pressurized state. Usually caused by empty gas tank or new on-board bottle not tight enough. Also can be a large leak in the system.
- b. Flash 2 times - System is not maintaining pressure due to a leak or new on-board bottle not tight enough.
- c. Flash 1 time - System not releasing pressure due to failed vent valve.

10.2 Troubleshooting:

A) Flash 3 times - System didn't reach pressurized state.

- a. Cause-1: Empty gas bottle. Solution: Replace the gas bottle.
- b. Cause-2: New gas bottle not tight. Solution: Further tighten bottle (Fig-2).
- c. Cause-3: Leak in Canister lid. Solution: Clean the lid o-ring and top of Canister.
- d. Cause-4: Leak in Canister base. Solution: Clean Base o-ring and Canister valve.

B) Flash 2 times - System is not maintaining pressure due to a leak.

- a. Cause-1: New gas bottle not tight. Solution: Further tighten bottle (Fig-2).
- b. Cause-2: Leak in Canister lid. Solution: Clean the lid o-ring and top of Canister.
- c. Cause-3: Leak in Canister base. Solution: Clean Base o-ring and Canister valve.

C) Flash 1 time - System not releasing pressure due to failed vent valve.

- a. Cause - 1: Failed vent valve. **[WARNING: AIRTIGHT CANISTER IS STILL PRESSURIZED, DON'T OPEN UNLESS "OK TO OPEN" GREEN LED IS ON]**  
For this issue or any support, contact Coffee Freshness System by email at [support@coffeefreshness.com](mailto:support@coffeefreshness.com) or by phone at (408)-649-4124.