




CFE 410/420 – Software Version 91754E – Technical Quick Reference

Filter Menu (press and hold either  button to enter menu)

1. Express Filter
2. Daily Filter
3. Dispose
4. Drain to Pan
5. Fill From Pan
6. Fill From JIB
7. Exit


Info Mode (press and release both  and  buttons at same time to enter mode).

1. E-Log
2. P-Log
3. Heat-Up's
4. Left Cook Data
5. Right Cook Data
6. Today's Data
7. Prev Day - _____
8. 7-Day Totals
9. Oil Data
10. Prev Oil Data
11. Inp A VHDSFM
12. Outp F-S-H
13. Pot TMP
14. Lvl TMP
15. Pro TMP
16. SSR TMP
17. CPU TMP
18. Analog
19. AC Volts
20. Amps – 0-0-0
21. Oil Levels
22. AIF Info √ √ 14
23. Activity Log
24. Ver, & Source
25. USB Support




Info (press and release  to toggle between options.)


- View actual temperature
- View setpoint temperature
- Filter: 36(is default) Remaining
- AVGS
- Temp
- Date / Time
- P=107 L=85 temp

Diag, Clean, ESPA, Manual Prog? (press and release


 to enter mode)

- –Diag, Clean , ESPA, Manual Program” (Press #4 for diagnostics, #5 for Clean-out, and #6 for Espanol, Press the timer button for manual prog)



 and  to step through parameters and  and

 to change settings. Press #2 to exit (cancel)

- D1: is product color OK? (can change product color)
- D2: This oil is _ old
- D3: Voltage _
- D4: Heating Capacity is _____
- D5: Cook Times Look _ Today
- D6: Cooked before ready _ times today
- D7: _ % of loads were stopped too soon today
- D8: _ % of loads beeped done too long today
- D9: Loading looks _ today
- 10: All Prods match original values
- End of Report





Level 1 Programming (press and hold  for about 2 seconds – Code (no code available) -- **Unable to change setpoints**

Level 2 Programming (press and hold  for





about 6 seconds -- use  or  to select from the different level 2 menus then enter the appropriate code – see lists below)

- **CFA Program** – Code Unavailable – **unable to change parameters**
- **SPCL PROG**-Code 123- Basic settings
- **CLOCK SET**- Code 123 - Set the time-of-day clock / calendar





- **DATA COM**-Code 123 - Data Communications, MMC, etc.
- **HT CTRL**-Code 123 - Program heat algorithm control parameters
- **TECH MODE**- Code 11221122 -Control of outputs, display & button tests, etc.
- **STATS MODE**- Code 11221122 Review, reset operating stats, diagnostic logs, etc
- **FILTER CONTROL** Code 11221122

Special Programming (Code123 use  and  to navigate,  and  to change settings)





- SP-1 • Degrees Fahrenheit or Celsius
- SP-2 • Language
- SP-3 • System Initialization (Factory Presets)
- SP-4 • Audio Volume
- SP-5 • Audio Tone
- SP-6 • Audio Effect
- SP-7 • Melt Cycle Select - 1.LIQUID; 2.SOLID
- SP-8 • Idle Mode Enabled - YES or NO
- SP-9 • Product Buttons
- SP-10 • Cooking Display 2, TM +ID
- SP-11 • Quality Timer Display
- SP-12 • Longer Filltime Enabled? No
- SP-13 • Let User exit Fill? No
- SP-14 • Skip Skim Prompt? No
- SP-15 • Stage Wash Enabled? No
- SP-16 • Dispose Requires Code? No
- SP-17 • Polish MMSS 5:00

Clock Set (Code123 use  and  to navigate,  and  to change settings)

- CS-1 (Month is flashing)
- CS-2 (Day is flashing)
- CS-3 (year is flashing)
- CS-4 (hour is flashing)
- CS-5 (minutes are flashing)
- CS-6 Time Format (12 or 24 hour)
- CS-7 Daylight Savings Time

Tech Mode Code11221122 use  and  to navigate,  and  to change settings

- T-1 • Software ID CFE
- T-2 • Fryer Type
- T-3 • Push Button Test
- T-4 • All On Display Test
- T-5 • Display Segment Test
- T-6 • Display Digits Test
- T-7 • Display Decimal Point Test
- T-8 • LED's Test
- T-9 • Pot Temp Calibration & Offset
- T-10 • Lvl Temp Calibration & Offset
- T-11 • Pro Temp Calibration & Offset
- T-12 • CPU Control temp Calibration & Offset
- T-13 • Fryer Supply volts
- T-14 • Line Volts Loading LV LD
- T-15 • Line Volts Calibrate Offset /Highest
- T-16 • View A - D Channel
- T-17 • Digital Inputs
- T-18 • Outputs Test
- T-19 • Amps Calibrate
- T-20 • Do Total Initialization
- T-21 • AIF Info check check 14
- T-22 • Pumps and Valves

Filter Control Code11221122 use  and  to navigate,  and  to change settings. (defaults shown in parenthesis)

- FC-1 – Pan Out Changed Pad (60 sec)
- FC-2 – Auto Fill Enabled (Yes)
- FC-3 – Auto Fill Cycle Time (30 sec)
- FC-4 – Auto Fill Check JIB (8 count)
- FC-5 – Oil Full if Delta Above (-10F)
- FC-6 – Oil Low if delta below (-15F)
- FC-7 – Heat allowed during fill (no heat)
- FC-8– Oil Drain Time (25 sec)
- FC-9 – Oil Wash Time (35 sec)
- FC-10 – Oil Rinse Time (60 sec)
- FC-11 – Oil Typical Fill Time (140 sec)
- FC-12 – Repeat Fill Time (30 sec)
- FC-13 – RTD Air Cooling (-0.40 degrees/sec)
- FC-14 – Main Probe x Above min +30F
- FC-15 – Pro Probe x Above min +30F
- FC-16 – Level Probe x Above min +30F
- FC-17 – \rightarrow X Above Min” Hit Limit (4 Count)
- FC-18 – Level RTD Air Cooling(-0.8 degrees / sec)

- FC-20 – New Pad – Max Fill Time (125 sec)
- FC-21 – Old Pad – Max Fill Time (125 sec)
- FC-22 – Fill to Top Time (75 sec)
- FC-23 – Reach Top Plus X Sec (20 sec)
- FC-24 – Fill Until Pan Empty (140 sec)
- FC-25 – Valve Auto- Cycle Period (0:30 H:MM)
- FC-26—New Pad Max Wash Time (90 sec)
- FC-27 – Old Pad Max Wash Time (60 sec)
- FC-28 – Min Fill Time (10 sec)
- FC-29 – New Pad Max Fill Time (240 sec)
- FC-30 – Old Pad Max Fill Time (240 sec)
- FC-31 – Pilot During Filter (No Pilot)
- FC-32-- Filling Low Heat On (0 sec)
- FC-33 – Filling – Low Heat Off (20 sec)
- FC-34 – Express Filter Rinse Hose Enabled (no)
- FC-35—Daily Filter Rinse Hose Enabled (no)
- FC-36 – Dispose Filter Rinse Hose Enabled (no)
- FC-37 – Enable R+D Displays (no)
- FC-38 – Change Pad Reminder (25 hours)

End of Level 2 Breakdown