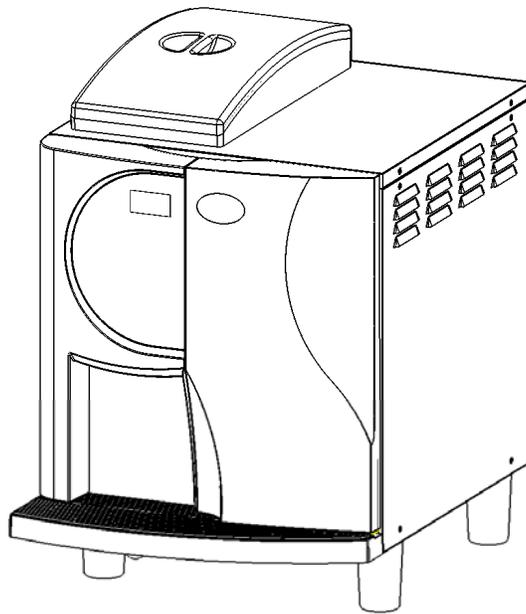




CONCORDIA

COFFEE SYSTEMS



INTEGRA 1

User Guide

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Important Safety Information

The safety of you and your customers is important to Concordia. The INTEGRA 1 dispenses hot liquids and steam. Please follow all safety precautions outlined in this manual, in order to reduce the risk of electric shock, burns, and/or injury to persons or property.

Machine Operation

- Do not use the machine for anything other than its specific intended purpose.
- Close supervision is required anytime the machine is used near children.
- Machine must be installed in a safe and stable location and in accordance with Concordia's installation requirements.
- Do not attempt to override safety interlocks.
- Do not operate the machine with unauthorized parts or attachments. Improper use may cause fire, electrical shock, hazard, or injury.

WARNING: Use of unauthorized parts or attachments will nullify the machine warranty.

Hot Surfaces and Liquids

- Care must be taken around the machine, as hot liquids and steam are produced and dispensed. Serious burns can occur.
- Do not touch hot surfaces or parts.

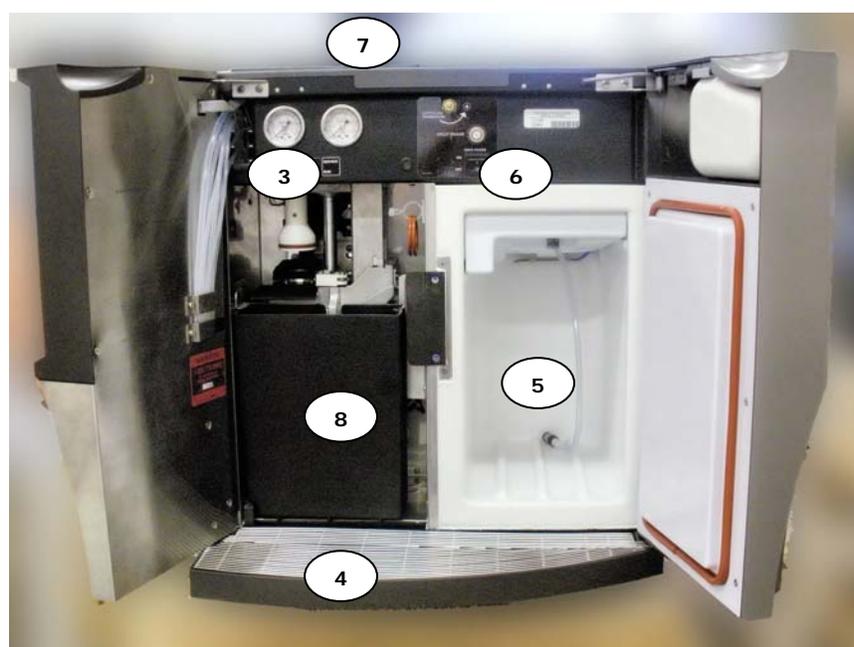
Electrical

- To protect against electrical hazards, do not immerse the power cord, plugs, or machine in water or any other liquid.
- Turn the power switch to "OFF" when the machine will not be used for an extended period.
- Do not operate the machine with an improper or damaged power cord or plug, or after the machine has been damaged in any manner.



The *INTEGRA 1* System

The INTEGRA 1 includes a Concordia espresso machine. The espresso system grinds fresh whole beans, brews fresh espresso, steams fresh milk, and delivers a perfect, freshly brewed, gourmet espresso beverage.





The INTEGRA 1 System Components

1. Touch Pad

SHOWN IN TOP PHOTO. The touch pad provides a user-friendly interface for selecting and pouring beverages.

2. Product Outlet

SHOWN IN TOP PHOTO. The product outlet is where drinks and hot water are dispensed.

3. Power Switch

Located behind the left front door of the machine.

4. Drain Tray and Grate

The drain tray and grate direct excess liquid to the drain.

5. On-Board Refrigeration Unit

The on-board refrigeration unit holds one milk container (one gallon or up to 4-liters).

6. Service Switch

The service switch is used to alternate between **RUN MODE** and **SERVICE MODE**, and is located behind the left door below the gauges.

7. Bean Hopper

Located on top of the machine, the bean hopper has two compartments. Each compartment holds fresh, whole espresso roast beans.

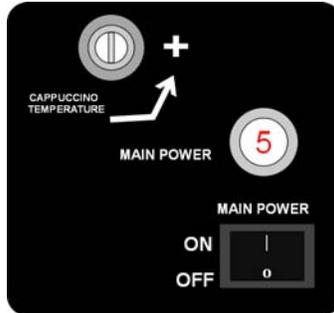
8. Grounds Bin

The grounds bin holds the used espresso grounds. The **EMPTY GRNDS BIN** message will appear on the display every 35 drinks.



Using the Espresso System

The power switch is located on the panel behind the refrigeration unit door.



1. Press the power switch to the **ON** position to start the machine.
2. Close the door. Machine will not warm up if the door is open.
3. The display will read:

**CALIBRATING
WAIT WARMING UP**

Machine warm-up takes approximately 20-30 minutes. During warm-up, the machine is heating the water, generating steam, and calibrating the brew group.

WARNING: Wait at least 10 seconds between turning the machine off and back on again. Quickly flipping the power switch on and off can blow a fuse within the machine and/or result in machine malfunction.

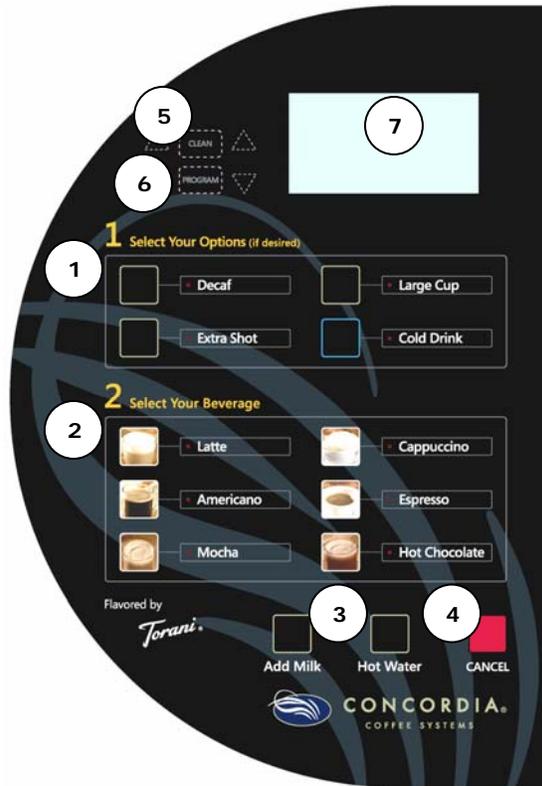
Starting System if Display Reads: **MACHINE IS OFF**

If the power switch is on and the display reads **MACHINE IS OFF**, you are unable to pour drinks. In this mode, only the refrigeration unit is functioning.

To start the machine, press and hold the **PROGRAM** button. A tone will sound; when the tone stops, release the **PROGRAM** button.



Touch Pad



Touch Pad Description

1. OPTIONS

THESE BUTTONS DETERMINE OPTIONS FOR DRINKS.

DECAF

Decaffeinated beans will be used when pouring the selected espresso-based drink.

EXTRA SHOT

An extra shot of espresso is added to the selected espresso-based drink.

LARGE CUP

The drink poured will be 12oz/360mL.

COLD DRINK

The drink will be poured using cold milk.

2. DRINKS

THESE BUTTONS DETERMINE WHICH TYPE OF DRINK WILL BE Poured.

LATTE

Latte is poured.

CAPPUCCINO

Cappuccino is poured.

BREWED COFFEE

Brewed coffee is poured.



ESPRESSO

Espresso is poured.

HOT CHOCOLATE

Hot chocolate is poured.

MOCHA

Mocha is poured.

3. ADDITIONAL OPTIONS

ADD MILK

Will pour milk.

HOT WATER

Will pour hot water.

4. CANCEL BUTTON

CANCEL

Will clear current selection(s) or stop the pouring of a drink.

5. CLEAN BUTTON

*AFTER PRESSING THE **CLEAN** BUTTON, SELECT THE CLEANING OPTION NEEDED. THE SERVICE SWITCH MUST BE IN THE **CLEAN** MODE FOR THIS FUNCTION. SEE THE CLEANING CARD INCLUDED WITH THE MACHINE FOR FULL CLEANING PROCEDURES.*

6. PROGRAM BUTTON

FOR COMPLETE PROGRAMMING AND SOFTWARE MENU NAVIGATION INSTRUCTIONS, SEE PAGE 9

MENU SCROLL UP ARROW

Scroll up in menu and submenu categories

MENU SCROLL DOWN ARROW

Scroll down in menu and submenu categories

INCREASE VALUE ARROW

Increase value in submenu category

DECREASE VALUE ARROW

Decrease value in submenu category

PROGRAM BUTTON

Press once for **GRAND TOTAL** drink statistics

Press 3 times to access main programming menu

7. LCD

THE BLUE SCREEN PROVIDES MESSAGING ABOUT THE STATE OF THE ESPRESSO MACHINE.

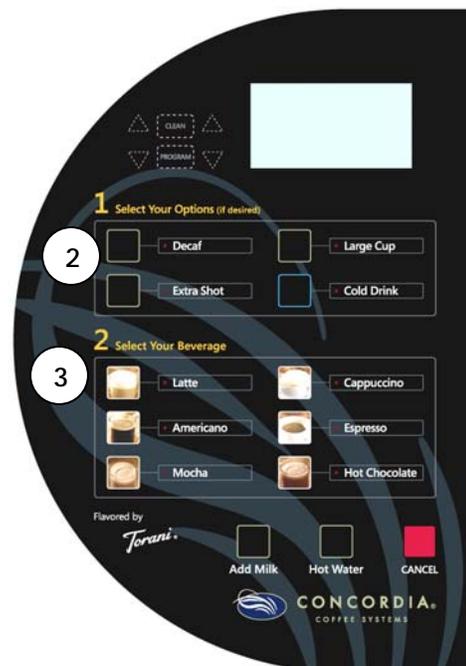


Pouring Drinks

Product Outlet

Drinks are dispensed at the product outlet. Before selecting a drink, the customer places their selected cup directly under the product outlet.

1. Place Cup Under Product Outlet



2. Select Drink Options

Decaf
Extra Shot
Large Cup
Cold Drink

3. Select Drink

Latte
Cappuccino
Brewed Coffee
Espresso
Hot Chocolate
Mocha

To stop a drink

Press the **CANCEL** button to interrupt the dispensing of a beverage.



Sample Drinks

LATTE

TO SELECT A REGULAR LATTE:

Press the **LATTE** button

TO SELECT A LARGE LATTE:

Press the **LARGE CUP** button

Press the **LATTE** button

MOCHA

TO SELECT A LARGE MOCHA:

Press the **LARGE CUP** button

Press the **MOCHA** button

Drink Variations

Make it Decaf

Decaf simply means the drink will be made with decaffeinated espresso beans.

TO SELECT: Press the **DECAF** button
Press desired **DRINK** and **OPTION** button(s)



Machine Software Overview

Software Programming Menu

Accessing the Programming Menu

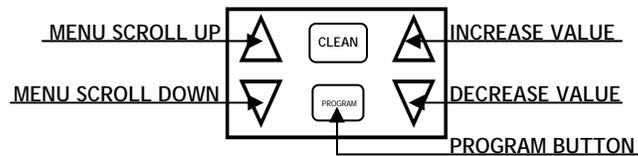
Press the **PROGRAM** button three times, slowly. You should hear a tone after each press.

The display will change from **SELECT DRINK** to **SELECT CATEGORY**.

Scrolling in the Menu

Press the **SCROLL DOWN** arrow to scroll forward.

Press the **SCROLL UP** arrow to scroll in reverse.



Accessing a Sub-Category

With the desired category appearing in the display, press the **PROGRAM** button once to enter the sub-category.



While in the sub-category, the main menu category moves to the top line of the display, the sub-category appears on the middle line, and the current value appears on the lower line of the display.

Changing a Value

Press the **INCREASE VALUE** arrow to increase the value.

Press the **DECREASE VALUE** arrow to decrease the value.

Exiting a Sub-Category

Press the **PROGRAM** button once.

Main menu category will appear in the middle of the display.

Exiting the Main Menu

From any main menu category, press any drink button once.

Display will read: **SELECT DRINK**



Check Grand Total Drink Statistics

- Press the **PROGRAM** button once
- The drink **GRAND TOTAL** appears in the display
- Display will automatically return to **SELECT DRINK** after a few seconds

Detailed Total Drink Statistics

- Press the **PROGRAM** button three times (press slowly, you should hear a tone after each press)
- **SELECT CATEGORY** will appear in the display
- Scroll to the sub-category **TOTAL DRINK COUNTS**
- Press the **PROGRAM** button
- Press the **SCROLL UP** arrow to scroll through the statistics

To Exit

- Press the **PROGRAM** button once
OR
- Press any **DRINK** button

Detailed Daily Drink Statistics

Daily statistics are reset after a brew group clean is completed.

- Press the **PROGRAM** button three times (press slowly, you will hear a beep after each press)
- **SELECT CATEGORY** will appear in the display
- Scroll to the sub-category **DAILY DRINK COUNTS**
- Press the **PROGRAM** button
- Press the **SCROLL UP** arrow to scroll through the statistics

To Exit

- Press the **PROGRAM** button once
- Press any **DRINK** button



Software

Below is a list of INTEGRA 1 software categories. For information and instructions on adjusting these settings, please contact Customer Service for assistance.

Programming Menu Informational Screens

- **GRAND TOTAL**
Will display the total number of drinks dispensed.
- **PART NUMBER**
Will display the part number (version) of the installed software.

Categories

- **TOTAL DRINK COUNTS**
Displays the total number of drinks poured since CPU board installation. This number is reset only when a new CPU board is installed.
- **DAILY DRINK COUNTS**
Displays the total number of drinks poured, by drink type, since the last brew clean.
- **TIME & DATE**
Contains settings for the internal clock and the automatic start feature.
- **CHK TEMPERATURES**
Displays water, refrigerator, and steam temperatures.
- **SET TEMPERATURES**
Change steam, water and refrigerator settings.
- **COFFEE PWDR DOSE**
Changes the amount of ground coffee delivered into the brew chamber.
- **SHOT SELECT**
Determines the quantity of espresso shots per drink.
- **WATER VOLUME**
Changes water volume for espresso extraction, brewed coffee, and hot water button settings.
- **MILK TIMINGS**
Change milk timings for all drinks, milk buttons.



- **SYRUP TIMINGS**
Displays the flavor dosage of drinks, in seconds of pour time.
- **DRINK PRICES**
Displays the prices for each drink.
- **SPECIAL FEATURES**
This category enables or disables the following features: vending, grounds bin, decaf, hot water button, or steamed milk button.
- **MISCELLANEOUS**
Display current software version, load defaults, and reset the Preventive Maintenance (PM) counter.
- **TEST ROUTINES**
Used for service diagnostic testing; each component of the machine can be run independently.



Service Switch

Located behind the left door and below the water and steam gauges, the service switch is used to place the unit in either **SERVICE** or **RUN** mode.



The Service Switch in the **SERVICE** position

- The machine will beep and the display will read **SERVICE KEY**
- Cleaning and programming buttons are enabled

The Service Switch in the **RUN** position

- Normal operating position
- Cleaning and programming buttons are disabled

The Service Switch and Cleaning the Machine

During cleaning, the service switch must be in the **SERVICE** position.

1. Open the left door
2. Push the service switch to the **SERVICE** position
3. Follow the cleaning instructions outlined on the supplied cleaning instruction card
4. Once cleaning is complete, push the service switch back to **SERVICE** position



Beans and the Bean Hopper

The INTEGRA 1 is configured to deliver both regular and decaffeinated espresso beverages.

Whole espresso roast beans are placed in the bean hopper compartments, which are gravity fed to the grinders. Always use fresh, whole espresso roast beans to ensure a quality beverage.

WARNING: Never place espresso roast beans in the grinder using your hand(s).

WARNING: Do not place ground coffee, or other foreign materials, in the bean hopper.

Storing Espresso Roast Beans

Espresso roast beans are typically sealed in airtight packaging by the roaster. Once the bag has been opened, the freshness of the beans will begin to decrease.

NOTE: Do not store espresso roast beans in a freezer.

Bean Hopper

The large bean hopper compartment (right side) holds approximately 3lbs/1.5kg of regular beans, and the small bean hopper compartment (left side) holds approximately 2lbs/1kg of decaffeinated beans.

The bean hopper must be placed on the machine with the large bean hopper compartment on the right side, or the hopper will not properly feed beans into the machine.

Directions for Filling Bean Hopper

1. Remove the hopper lid
2. Pour the beans into the hopper compartments
3. Replace the hopper lid

NOTE: If it is necessary to remove the bean hopper, insert both hopper stoppers first. Be sure to remove the hopper stoppers when finished.

DO Use fresh, whole, espresso roast beans.

DO NOT Place ground coffee into the bean hopper.

DO NOT Place foreign materials in the bean hopper.

DO NOT Feed beans into the grinder by hand.



The Hopper Stopper

When removing a bean hopper with beans, the hopper stopper prevents beans from passing through the hopper chute.

Using the Hopper Stopper

1. To insert a hopper stopper, slide it between the beans and the interior hopper wall.
2. Use pressure when inserting the hopper stopper, to ensure that there is no space between the interior hopper wall and the hopper stopper.
3. With both hopper stoppers in place, you can remove a full hopper from the machine.

NOTE: Both hopper stoppers must be used when removing the bean hopper.

To remove the hopper stoppers once the bean hopper is back in its proper position on top of the espresso machine, simply pull the hopper stoppers out from the bean hopper compartments.



Removing a Bean Hopper

Once both hopper stoppers are in place, simply lift the bean hopper upwards.



Milk and the Milk System

Refrigeration Unit

The INTEGRA 1 features an on-board refrigeration unit to house the milk used for drinks. The refrigeration unit is designed to accommodate one milk container, up to one gallon/4-liters.

The following types of milk can be used in the INTEGRA 1:

- Whole
- 2%
- 1%
- Non-Fat

WARNING: Do NOT use any type of flavored milk in the milk delivery system. The sugars in flavored milk (including eggnog) can damage the machine and clog the milk delivery tubes.

Placing Milk in the Machine

1. Open the refrigeration unit door and partially place the opened milk container in the refrigeration unit.
2. Place the milk pick-up tube in milk container.
3. Slide the container into the refrigeration compartment while feeding the milk pick-up tube fully into the milk container.
4. Close refrigeration unit door.



DO make sure milk pick-up tube is fed into the middle of the container.

DO NOT place milk pick-up tube into the milk container handle.

DO NOT kink or bend the milk pick-up tube.

DO NOT pull excessively on milk pick-up tube.



Checking Refrigeration Unit Temperature

The temperature for the refrigeration unit is always displayed in the machine's LCD.

If the refrigeration unit door has been open for an extended period, it is normal that the temperature will rise. To have the refrigeration unit return to the proper temperature, close the refrigeration unit door and check the temperature in an hour. If the temperature is not correct at that time, please contact Customer Service.



Flavor and the Flavor System

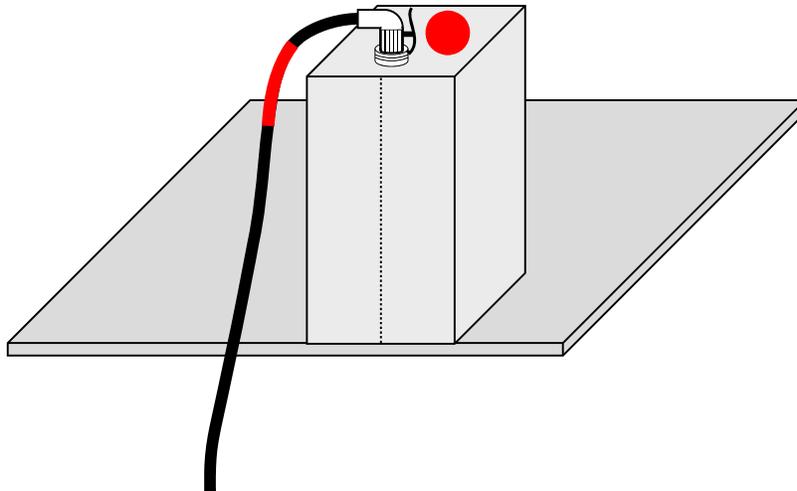
The INTEGRA 1 is equipped to provide chocolate sauce for customer drinks. The chocolate sauce is automatically dispensed and infused into the milk at the push of a button. This infusion results in an even distribution of the flavor throughout the drink.

Flavor Storage

The flavor storage area contains the flavors used to make the drinks.

It is necessary to periodically check the flavor box, as its level is not automatically monitored. To check the level of flavor, lift the box. If the box is very lightweight, the flavor level is getting low and it may be necessary to replace the box.

Do NOT lift a flavor box by grabbing a connector.



Replacing Empty Flavor Boxes

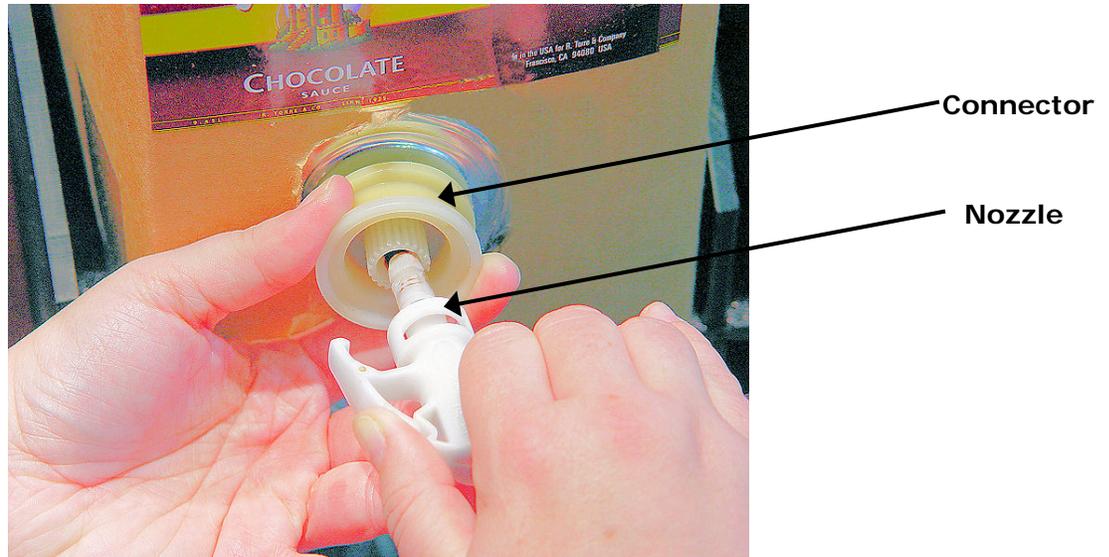
Before replacing a flavor box, check flavor bag to ensure the bag is empty. The bag inside the box may crease or partially collapse, blocking the flow of flavor. It may only be necessary to manipulate the bag to ensure syrup is able to flow properly. For instructions on how to do this, please call Customer Service.

To remove connector

1. Place a cleaning rag under the nozzle, to catch any flavor drips
2. Hold nozzle in place with one hand



3. Grasp connector with other hand
4. Using thumb, push on left side of connector handle to release the connector and then pull from nozzle



Once the nozzle is removed from the connector, remove the empty box from the flavor storage area. Do NOT place the nozzle on the floor.

NOTE: It is normal that there may still be a small amount of chocolate sauce in a bag when the bag is empty. A small amount of chocolate sauce may also drip when the nozzle is removed from the bag.

To replace syrup/sauce box

1. Open box at the "OPEN HERE" location, and extract the connector.
2. Remove protective seal from the connector.
3. Clean the nozzle and o-ring thoroughly with a wet cloth, to remove any debris, provide lubrication, and remove syrup or sauce residue.

IMPORTANT: Make sure the black o-ring seal located at the tip of the nozzle is wet upon reinsertion. Re-inserting a dry o-ring may result in leaks.

4. Hold connector firmly with hand.
5. Insert correct color-coded connector into connector firmly, until the nozzle handle clicks into place



WARNING: Do not try to insert the nozzle without holding the connector, or the connector may be pushed into the box.

Chocolate Sauce

It is necessary to pre-warm the chocolate sauce before use. The minimum temperature must be 85°F/29°C; otherwise, it will not flow properly. If chocolate sauce is not flowing, and the flavor box is not empty, confirm the warming tray is on and operating. If it is not, call customer service. The power switch for the chocolate sauce flavor tray is on the back of the tray.

NOTE: It can take up to 24 hours for a bag of chocolate to warm up to the proper temperature. The warming tray has been constructed with room for an additional pre warmed chocolate sauce. Due to the length of time necessary to heat chocolate sauce, it is strongly recommended to have a second box of chocolate sauce on the flavor rack.

WARNING: If under-heated chocolate sauce is used, the chocolate flavor tube may explode.



Cleaning and Maintenance

Cleaning

To maintain the machine warranty, ensure sanitation, avoid mechanical failure, and ensure continual operation, the INTEGRA 1 MUST be cleaned and maintained on a regular basis.

Concordia cleaning products must be used in order to ensure proper cleaning and to maintain machine warranty. Please see page 25 for ordering information.

NOTE: Cleaning products should be stored away from the flavor cabinet. Do NOT store cleaning products in the flavor cabinet, or near consumables.

Cleaning Timers

The milk system and brew group must be cleaned every 24 hours, or after every 100 drinks, whichever occurs first.

All timers start after the first drink is poured following a cleaning. For example, if you clean the machine on Friday night, and it is idle Saturday and Sunday, the timers are not started until the first drink is poured Monday morning.

Auto-Rinse Cycle

The machine has the option of an automatic rinse cycle to run at a pre-set interval. A loud tone will sound as a warning before the auto-rinse cycle begins. The display will read: **DANGER! HOT WATER.**

During the auto-rinse cycle, hot water runs through the brew system and steam runs through the milk delivery system to provide a quick rinse during slow usage periods.

You cannot pour drinks during the auto-rinse cycle (approximately 30 seconds).



Daily Cleaning Procedures

Daily cleaning and maintenance can be performed in less than 15 minutes a day!

1. Clean the milk system
2. Clean the brew group
3. Empty grounds bin
4. Clean the drain grate and drain tray
5. Clean exterior surfaces
6. Clean the interior of the refrigeration unit
7. Clean milk dispenser nozzle

To perform cleaning procedures, the service switch must be in the **SERVICE** position. For more information about the service switch, please see page 13.

Clean the Milk System

Every 24 hours or after 100 drinks are poured, the machine's display will read **MILK CLEAN DUE**. The milk system must be cleaned within two hours or 50 drinks, or the machine will be disabled and will stop dispensing drinks. When this happens, the display will read **RUN MILK CLEAN!** Once the milk system is cleaned, the system will reset and normal operation will resume.

For complete instructions on cleaning the milk system, please see the cleaning card included with the machine.

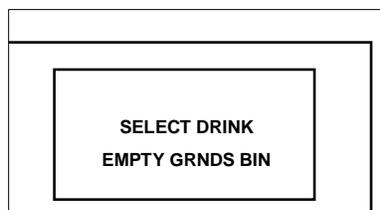
Clean the Brew Group

Every 24 hours, the machine's display will read **BREW CLEAN DUE**. The brew group must be cleaned within two hours, or the machine will be disabled and will stop dispensing drinks. When this happens, the display will read **RUN BREW CLEAN!** Once the brew group is cleaned, the system will reset and normal operation will resume.

For complete directions on cleaning the brew group, please see the cleaning card included with the machine.

Empty Grounds Bin

The grounds bin holds the used espresso grounds. The **EMPTY GRNDS BIN** message will appear on the display every 35 drinks.



**To empty the grounds bin:**

1. Open front machine doors.
2. Remove the grounds bin (black box).
3. Discard the used grounds into a waste receptacle. Keep the grounds bin out of machine for at least six seconds – this will clear the **EMPTY GRNDS BIN** message from the LCD display.
4. Wipe out residue from the grounds bin. Rinse out as necessary.
5. Replace the grounds bin into the machine. Be sure to push it in all the way!
6. Close front machine doors.

NOTE: Always empty the grounds bin each time it is removed. Each time the grounds bin is removed for more than six seconds, the grounds bin counter is reset to zero and an overflow may later occur if the grounds bin is not emptied.

Clean Drain Grate and Drain Tray

1. Remove the drain grate and clean with sanitizer to remove residue.
2. The drain grate can be placed in a dishwasher, if desired.
3. Clean the black plastic drain tray with towel moistened with soap and water. Do NOT use bleach or any other chemical cleaner.

Clean Exterior Surfaces

1. Clean the exterior of the machine area using a towel moistened with sanitizer.
2. Clean the doors and the front panel of the machine.
3. Thoroughly clean around the drink dispensing area. Wipe with a wet towel.
4. If further cleaning is necessary, clean using mild dish soap mixed with warm water.

WARNING: To avoid contact with chemicals and hot water, do not clean the drink dispensing area during the milk system clean or brew system clean processes.



Clean Interior of Refrigeration Unit

1. Remove the milk container.
2. Using a cloth or paper towel, wipe up any spilled milk.
3. Use a mixture of soap and water to clean interior walls of refrigeration unit, and pick-up tube.
4. Return the milk container to the refrigeration unit.

WARNING: Do NOT use bleach to clean any part of the refrigeration unit.

Refill Consumables

Refill all beans, milk, and flavors, as needed.

1. Check level of flavor in the boxes by lifting the front of each box.

Clean Milk Dispenser Nozzle

In order to ensure no cleaning chemicals remain, wipe down the milk dispenser nozzle with a moistened towel. Clean with a mild soap and water mixture and rinse thoroughly.

Monthly Cleaning Procedures

Check Air Filter

Check the filter monthly for buildup of dust and grime. When dirty, replace filter.

Removing the Air Filter

The air filter is located to the upper right of the refrigeration unit.

1. Open the refrigeration unit door. Filter located in upper right hand corner.
2. Pull air filter forward to remove.
3. If dirty, replace with new air filter. To order an air filter, call Concordia Customer Service.

NOTE: Failure to replace a dirty air filter may cause damage to the machine's cooling system.

Clean the Bean Hopper

1. Insert a hopper stopper in each bean hopper compartment.
2. Remove bean hopper from machine.
3. Empty beans into clean container.
4. Clean the inside of both bean hopper compartments with warm soapy water, and rinse thoroughly.



WARNING: Do not wash a bean hopper in a dishwasher.

5. Dry the inside of the bean hopper.
6. Ensure the hopper stoppers are in place.
7. Refill the bean hopper compartments with beans.
8. Place the bean hopper in its proper position on machine.
9. Remove the hopper stoppers.

Replacing Upper Piston O-Ring

Replacement of the upper piston O-ring is required every 5,000-drink cycles. When the message **REPLACE O-RING** is displayed, follow the procedure below.



To change the O-ring, first open the left front door to access the brewing area.



The red O-ring is located on the white upper piston behind the left front door.



With the brush provided in the cleaning kit, remove all excess coffee grounds from the white piston and the red O-ring.

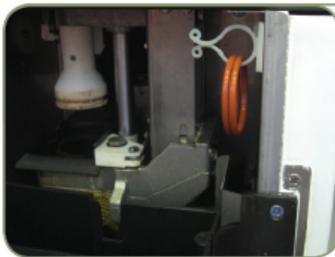


You are now ready to remove the O-ring. Press both sides of the O-ring with your index fingers and pull the O-ring toward the front of the machine. A portion of the O-ring should pull out of the slot.



Using your thumb, press down on the exposed edge and remove the O-ring from the upper piston. Once the O-ring has been fully removed, clean the piston and O-ring slot with your brush.

IMPORTANT: *Remove all caked-on coffee grounds from the groove-front and back.*



Locate the spare O-rings attached to the upper right corner of the brew group area. Take one of the new rings off the holder.



Position the new O-ring around the bottom of the piston and roll into place, making sure the entire O-ring is fully seated in the slot. Dispose of the used O-ring. The O-ring replacement is now complete.



Once the O-ring has been replaced, you must clear the O-ring replacement message from the display and reset the cycle counter.

Locate the "Service/Run" switch on the panel directly above the upper piston and press the switch to the "Service" position. Close the front door and wait for the machine to display "Select Drink".



Locate the "Program" button on the touchpad to the left of the display. Press the "Program" button three times. The display will read "Select Category".



The display will read "Select Category".



Press the down arrow button located to the left of the "Program" button three times until the display reads "Special Features." Next press the "Program" button one time to enter the "Special Features" sub-menu.



Press the down arrow to the left of the "Program" button until the "Reset O-Ring Msg" screen is displayed.



Press either arrow to the right of the "Clean" button once. The O-ring warning will be cleared and the counter reset.



Press the "Program" button once to exit the "Special Features" menu group.



Locate the red "Cancel" button in the lower right corner of the touchpad and press once to exit the menu system entirely. The display should now read either "Select Drink" or "Wait Warming Up".



Open the left front door, locate the "Service/Run" switch, and set the switch to the "Run" position. Close the door and your Espresso System will be ready to use when "Select Drink" is displayed.

This completes the procedure.

Preventive Maintenance

The Preventive Maintenance (PM) Service Call ensures continued optimal operation of the machine through the proactive replacement, cleaning and adjustment of internal components. Preventive Maintenance is required to maintain the warranty and extended service agreements.

Preventive Maintenance must be performed every 10,000 drinks by a Certified Technician. The INTEGRA 1 is equipped to monitor the total drink statistics, and display a **REQUEST PM** message when the machine reaches 10,000 drinks.

When the **REQUEST PM** message appears, call Customer Service to schedule a Preventive Maintenance Service Call.



Ordering Cleaning and Replacement Items

The following items can be ordered for the INTEGRA 1:

PART
Hopper Stopper
Quick Reference Guide: Brew Group and Milk System Cleaning Card
Quick Reference Guide: Flavor System Cleaning Card
6-Month Cleaning Kit (<i>includes Milk System Cleaner #1, Milk System Cleaner #2, Brew Group Cleaning tablets</i>)
Flavor Rack

To order any of these items, call Customer Service.



Operational Messages

DISPLAY MESSAGE	WHAT TO DO
BREW CLEAN DUE	Clean the brew group. For cleaning procedures, see the cleaning card included with the machine.
MILK CLEAN DUE	Clean the milk system. For cleaning procedures, see the cleaning card included with the machine.
RUN MILK CLEAN!	The milk system must be cleaned to resume operation. See the cleaning card included with the machine.
RUN BREW CLEAN!	The brew group must be cleaned to resume operation. See the cleaning card included with the machine.
EMPTY GRNDS BIN	Empty the grounds bin. See page 22.
MACHINE IS OFF	To turn the machine on, press and hold the PROGRAM button until the tone stops, see page 4.
NO BEANS (REGULAR)	Fill front bean hopper. Stir beans to loosen them.
NO BEANS (DECAF)	Fill rear bean hopper. Stir beans to loosen them.
NO MILK	Replace the milk supply in the refrigeration unit.
COFFEE DRINK ONLY	Milk-based drinks are unavailable.
MILK ONLY	Coffee-based drinks are unavailable.



DISPLAY MESSAGE	WHAT TO DO
Refrigerator temperature	<p>The refrigeration unit temperature is displayed on the LCD at all times.</p> <p>A refrigerator temperature of 42°F/6°C or greater is considered high. Machine will beep in warning.</p> <p>Make sure the refrigeration unit door is closed.</p> <p>If the milk system was recently cleaned and the refrigeration unit door was open for an extended period, close the door and wait one hour. Refrigeration unit should return to operating temperature.</p>
REQUEST PM	<p>Call Customer Service to schedule a Preventive Maintenance service call, see page 28.</p> <p>Machine is still operational.</p>
REPLACE O-RING	<p>Replacement of the upper piston O-ring is required every 5,000-drink cycles. Follow replacement procedure on page 25.</p>
WAIT WARMING UP	<p>Machine warm-up requires 10-15 minutes. If message appears on screen for more than 30 minutes, turn machine off at power switch, wait 10 seconds, and turn machine on.</p> <p>If message continues more than 15 minutes after restarting machine, call Customer Service.</p>



Error Messages

DISPLAY MESSAGE	WHAT TO DO
CHK WATER SUPPLY	Make sure incoming water supply valve is open. This valve controls the water supply to the machine. If error persists, call Customer Service.
CHK WATER FLOW	Make sure incoming water supply valve is open. This valve controls the water supply to the machine. Run a brew clean. If error persists, call Customer Service.
GROUND BIN OUT	Make sure grounds bin is in place.
CHECK REFR MODULE	The refrigeration unit may not be operating properly, call Customer Service.



Troubleshooting

MACHINE SYMPTOM	WHAT TO DO
Display is blank	<p>Make sure machine's power switch is turned "ON," see page 4.</p> <p>Make sure the power cord is plugged into the wall receptacle.</p>
No milk flow	<p>Check milk containers in the refrigeration unit.</p> <p>Make sure the milk pickup tube is inserted all the way into the milk container, see page 16.</p> <p>Make sure the milk pickup tube is fed into the middle of the container and not into the handle.</p> <p>Check milk pickup tube for kinks or bends. Gently try to smooth out kink. Remove tube from milk container, if necessary, and then re-insert.</p> <p>Clean the milk system. See the cleaning card included with the machine.</p>
Machine won't operate	<p>Make sure all doors are closed.</p> <p>Check for error message on LCD.</p> <p>Make sure the front panel is closed.</p> <p>Make sure the grounds bin is correctly positioned.</p> <p>Make sure the power cord is plugged into the wall receptacle.</p> <p>Make sure machine's power switch is turned "ON," see page 4.</p> <p>Verify building main circuit breaker is not tripped.</p>
Inconsistent cup fill	<p>Clean the milk system. See the cleaning card included with the machine.</p>
All drinks are over or underfilling	<p>Clean the milk system. See the cleaning card included with the machine.</p>
All drinks are overfilling	<p>Clean the milk system. See the cleaning card included with the machine.</p>



MACHINE SYMPTOM	WHAT TO DO
Espresso is bitter	Clean the brew group. See the cleaning card included with the machine. The machine needs to be recalibrated. Call Concordia for assistance. The espresso beans are stale. Use fresh beans.
Cappuccino milk isn't foamy	Clean the milk system. See the cleaning card included with the machine.
Flavor system is leaking	If the leak is at the bag connection, disconnect connector from bag nozzle, clean connector with hot water, reconnect. If leak persists, call Customer Service. If the leak is anywhere other than the connector, call Customer Service.
Flavor is not being dispensed	Check flavor tubes for kinks or bends. Gently try to smooth out kink. Verify level of flavor supply. Check chocolate sauce tray. If the flavor tubes are not kinked, call Customer Service.
There is a blockage in a flavor tube	Call Customer Service.



FAQ

- Q Can I use different types of espresso roast beans?**
Yes. You are free to choose the type of bean that you will use in the INTEGRA 1. If you plan to change the type of beans being used, you must schedule a calibration service call.
- Q Can I use regular coffee beans in my espresso machine?**
No. Use only espresso roast beans.
- Q Can I change the brand of milk?**
Yes. Changing the brand of milk may result in a noticeable change in drink quality.
- Q Can I change the type of milk on offer?**
Yes. You are free to use any type of milk that you desire. If you change from whole milk to 2%, you may notice a difference in steamed and foamed milk, but this difference is not significant enough to affect overall drink quality.
- Q Can I use flavored milk(s) in my espresso machine?**
No. Never use flavored milk, such as eggnog or chocolate milk. The machine's internal components are not designed to handle the additional sugars in flavored milk.
- Q How do I cancel a drink?**
Press the **CANCEL** button any time during drink pour to stop the pouring of a drink.
- Q How do I change the cup size? For example, I want to change from a 12oz/360mL cup to a 16oz/480mL cup.**
Call Concordia to schedule a Calibration Service Call, and a Concordia Certified Technician will adjust your machine to the new drink size. A Calibration Service Call is not covered under the Machine Warranty or Extended Service Agreement.
- Q Can I adjust the amount of syrup added to a drink?**
Yes. Call Customer Service to schedule a calibration service call.
- Q How can I tell if my employees cleaned the machine?**
If your machine is not cleaned within 24 hours, the display will read **MILK CLEAN DUE** or **BREW CLEAN**



DUE. For complete information on the cleaning timers, see page 21.

Q How do I check the daily drink statistics?

Your espresso machine tracks both daily and cumulative drink statistics. For step-by-step directions on checking drink statistics, see page 10.

Q Where do I purchase espresso roast coffee beans?

Espresso roast beans can be purchased from retail and wholesale stores, as well as directly from the roaster.

Q What is the difference between coffee beans and espresso roast coffee beans?

Espresso roast coffee beans are specifically roasted for use in espresso machines. They retain their oils for a full-flavored drink.

Q My machine is beeping and the display reads EMPTY GRNDS BIN. What do I do?

Empty the grounds bin. The grounds bin must be emptied every 35 drinks. For complete directions on emptying the grounds bin, see page 22.

Q If I want to clean my bean hopper, how do I pull it off the machine without spilling the beans?

To remove a full bean hopper you must first place the hopper stoppers in both bean hopper compartments. For complete instructions on inserting a hopper stopper, see page 15. Once the hopper stoppers are in place, pull straight up to remove.

Q My machine is beeping and the display reads BREW CLEAN DUE.

When the display reads **BREW CLEAN DUE**, the brew group must be cleaned within two hours to ensure uninterrupted operation. If the brew group is not cleaned within two hours, the message will change to **RUN BREW CLEAN!** and the machine will be disabled. The brew group must be cleaned to resume operation. For complete directions on cleaning the brew group, see the cleaning card included with the machine.

Q My machine is beeping and the display reads MILK CLEAN DUE.

When the display reads **MILK CLEAN DUE**, the milk system must be cleaned within two hours to ensure uninterrupted operation. If the milk system is not cleaned within two hours, the message will change to **RUN MILK CLEAN!** and the machine will be disabled. The milk system must be cleaned to resume operation.



For complete directions on cleaning the milk system, see the cleaning card included with the machine.

Q I cleaned my machine, and several hours later the display reads MILK CLEAN DUE.

The milk clean cycle is required every 24 hours or every 100 drinks. When high volumes of drinks are sold, it is necessary to clean the milk system more than once per day.

For complete directions on cleaning the milk system, see the cleaning card included with the machine.

Q Can I change the time my machine turns on each day?

Yes! You can program your machine to automatically turn on Monday-Friday or Monday-Sunday, and you can program the time in five-minute intervals. This feature is adjustable through the **DATE & TIME** programming menu category. Please contact Customer Service for assistance in accessing and changing the setting.

Q What are the default temperature settings?

	Default Temperature Setting
Steam	252°F/122.2°C
Brew Water	198°F/92.2°C
Refrigerator	36°F/2.2°C
Refer Temp Hi (alarm)	41°F/5°C
Refer Temp Lo (alarm)	0°F/-17.8°C



CONCORDIA

COFFEE SYSTEMS

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