



Beverage Systems

Planned Maintenance System

Maintenance Requirement Card (MRC)

CARD NO.

1

EQUIPMENT: CORNELIUS ABS (AUTOMATIC BEVERAGE SYSTEM)

POTENTIAL HAZARDS

BEFORE MOVING, CLEANING OR WORKING ON ANY ELECTRICAL EQUIPMENT TURN THE POWER OFF AT THE POWER POINT AND UNPLUG THE POWER SUPPLY LEAD. IF THE POWER POINT IS NOT READILY ACCESSIBLE TURN THE EQUIPMENT OFF AT THE ISOLATION SWITCH OR THE CIRCUIT-BREAKER IN THE SWITCHBOARD. FAILURE TO DO SO MAY RESULT IN ELECTRIC SHOCK.



THE PROCEDURES IN THIS CARD MAY INCLUDE THE USE OF CHEMICALS. THESE CHEMICALS WILL BE HIGHLIGHTED WITH BOLD FACE LETTERS. ALWAYS FOLLOW THE SAFE INSTRUCTIONS FOR USE PRINTED ON THE CHEMICALS PACKAGING. IF FURTHER DETAILS ARE REQUIRED, REFER TO THE RELEVANT MATERIAL SAFETY DATA SHEET (MSDS) IN THE HEALTH AND SAFETY TOOLBOX.

APPROVED

SANITIZER: • **McD Sanitizer**

PICTURES AND ADDITIONAL INFORMATION: CORRESPONDING CHAPTER OF EQUIPMENT MANUAL

DAILY: **CLEAN DISPENSING AREA**

Tools: **McD APC**, Paper Towel and Clean Cloth



CAUTION

DO NOT USE CLEANERS CONTAINING BLEACHING AGENTS AS THEY USUALLY CONTAIN THAT WILL DISCOLOR THE STAINLESS STEEL. HEAVY DISCOLORATION SHOULD BE REMOVED WITH MCD "NO SCRATCH" PAD. NEVER USE PLAIN STEEL WOOL AS IT WILL SCRATCH THE PANEL AND

1. Press the red "AUTO/MANUAL" button to place the machine into "MANUAL" mode.
2. Loosen the screws (3) that retain the cup conveyor cover then remove the conveyor cover and conveyor assembly.
3. Remove the grille from the drip tray and remove any foreign material.
4. Wipe down the drip tray area and splash panel using **McD APC** with a clean cloth.
5. Flush the drip tray using carbonated water.
6. Check the drip tray for proper drainage.
7. Clean the conveyor assembly and grill using luke warm soapy water. Rinse with plain water thoroughly.
8. Check to see conveyor drive seal is properly installed. (Order replacement if the seal is missing.)
9. Reinstall the grille and conveyor assembly following the instructions on the front upper panel of the ABS unit.
10. Clean any spills from the machine exterior surfaces using **McD APC** with a clean cloth.
11. Press the "AUTO/MANUAL" button to place the machine into "AUTO" mode.

DAILY: CONT **CLEAN AND SANITIZE BEVERAGE DIFFUSER**

Tools: **McD Sanitizer**, Sanitizing Bucket, Nylon Nozzle Brush and Clean Sanitized Cloth

1. Prepare sanitize solution by adding one packet of **McD Sanitizer** to 2 1/2 gallons of lukewarm water in a clean sanitized bucket.
2. Press the “AUTO/MANUAL” button to place the machine into “MANUAL” mode.
3. Remove the nozzle from the dispenser by turning and pulling down.
4. Remove the diffuser from the valve by pulling down. Place the nozzle and diffuser in the Sanitizer solution.
5. Wipe inside the diffuser area using a sanitized cloth and the nylon nozzle brush.
6. Clean the diffuser and nozzle using the nylon nozzle. Rinse with lukewarm water.
7. Reinstall the diffuser and nozzle. Ensure they are located correctly in the machine.
8. Press the ‘AUTO/MANUAL” button to place the machine into “AUTO” mode.

DAILY: CONT

CLEAN EXTERIOR SURFACES

Tools: McD “No Scratch” Pad, Paper Towel **McD APC**, **McD Stainless Steel Cleaner**, and Clean Cloth.



CAUTION

DO NOT WIPE THE KEYPAD OR LCD DISPLAYS WITH SOLVENTS OR CLEANING AGENTS AS THEY MAY ATTACK THE MATERIAL.

1. Wipe dirt and dust from the outside of the machine with **McD APC** solution and wipe dry with a soft, sanitized cloth.
2. Apply **McD Stainless Steel Cleaner** dressing to all exterior stainless steel surfaces and wipe dry with a paper towel.

MONTHLY:

CLEANING CONVEYOR THRU-BEAM (LAST POSITION) SENSOR

Tools: Carbonated water and Clean Paper Napkin.



CAUTION

DO NOT USE A CLEANING CLOTH. THE CLEANING CLOTH MAY LEAVE A OILY RESIDUE ON THE LENS. THE RESIDUE ON THE LENS MAY CAUSE THE SENSOR TO MALFUNCTION. DO NOT USE ANY SOLVENTS OR OTHER CLEANING AGENTS BECAUSE THEY MAY ATTACK THE PLASTIC MATERIAL.

1. Press the red “AUTO/MANUAL” button to place the machine into “MANUAL” mode.
2. Clean **Dispensing** area as outlined in **Daily** procedure.
3. Roll the end of the Paper Napkin into a point and dip it into the Carbonated water.
4. Reinstall the grille and conveyor assembly following the instructions on the front upper panel of the ABS unit.
5. Press the “AUTO/MANUAL” button to place the machine into “AUTO” mode.

CLEANING AND SANITIZING INTERIOR SURFACES

Tools: **McD Sanitizer**, **McD APC**, Long Handle Nylon Bristle Brush and Clean Sanitized Cloth.



CAUTION

DO NOT USE SHARP OBJECTS, METAL DEVICES OR ABRASIVES ON THE ICE HOPPER, TOP COVER OR AGITATOR DISC. IRREPARABLE DAMAGE MAY RESULT TO THE UNITS. DO NOT USE ANY SOLVENTS OR OTHER CLEANING AGENTS BECAUSE THEY MAY ATTACK THE PLASTIC MATERIAL.

1. Turn ABS unit power switch "Off". The switch is located on the lower left-hand side of the ABS units' front panel.
2. Remove the top cover and set it aside.
3. Remove and discard all the ice from the hopper. If necessary, pour clean, potable water slowly into the hopper to assist in melting the ice.
4. Remove the agitator retainer and the ice agitator assembly.
5. Using **McD APC** and a long handled nylon bristle brush, clean the interior of the hopper, top cover, agitator and agitator cover. Rinse all with clean water.
6. Prepare sanitize solution by adding one packet of **McD Sanitizer** to 2 1/2 gallons of lukewarm water in a clean sanitized bucket.
7. Using **McD Sanitizer** and a soft, sanitized cloth, wipe the interior of the hopper, top cover, agitator and agitator cover.
8. Using **McD Sanitizer** and a long handled nylon bristle brush clean the interior of the ice chute. Access to the ice chute can be gained via the interior of the hopper and the ice chute outlet on the front of the ABS unit.
9. Reinstall the agitator retainer and ice agitator assembly.
10. Turn ABS unit power switch "on".
11. Return ABS unit to the "AUTO" mode by pressing the "AUTO/MANUAL" BUTTON.

QUARTERLY: CLEAN THE CONDENSER FILTER (FOR UNITS WITH INTEGRAL WATER PRE-COOLER OPTION ONLY)

Tools: Phillips Head Screw Driver

NOTE: A dirty condenser restricts airflow that results in excessively high operating temperatures. High operating temperatures reduce machine capacity and shorten component life.

Remove the front lower grille panel.

Turn power supply off via the Pre-Cooler power switch.

Slide the condenser air filter vertically and remove the unit.

Clean the filter using hot water and shake it dry.

Reinstall the condenser air filter.

Turn power supply "on".

Reinstall the lower front panel.

NOTE: Any bent condenser fins must be straightened with a fin comb. Contact your Service Agent to perform this service.