

IMI Cornelius Automated Beverage System (ABS)

Model ABS

Daily maintenance task

BE 31 D1 Clean ABS

Monthly maintenance task

BE 31 M1 Clean and sanitize
ice hopper and ice
chute

Quarterly maintenance task

BE 31 Q1 Clean pre-cool
condenser filter

Model ABS



A. Call out text, B. Call out text, C. Call out text, D. Call out text, E. Call out text, F. Call out text

Hazards

These icons alert you to a possible risk of personal injury.

Equipment alerts

Look for this icon to find information about how to avoid damaging the equipment while doing a procedure.

Tips

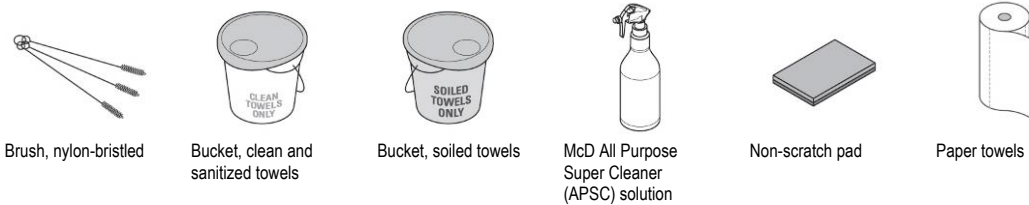
Look for this icon to find helpful tips about how to do a procedure.

Why	To ensure cleanliness and prolong the life of the ABS	
Time required	5 minutes to prepare	15 minutes to complete
Time of day	At close or non-peak periods	For 24-hour restaurants: during low-volume periods

Hazard icons

 Chemicals	 Compressed Gas/Air/Liquid	 Electricity	 Hot Surfaces	 Manual Handling
 Moving Parts	 Sharp Objects/Surfaces	 Slippery Floors	 Syringes & Body Fluids	

Tools and supplies



Procedure

1 Set ABS to manual mode.
Press the 'Manual Auto' button in the lower left hand corner of the touchpad to place unit in Manual mode.



2 Remove cup conveyor cover and conveyor assembly.
1. Loosen the 3 thumbscrews by hand that hold the cup conveyor cover in place by turning them counter-clock wise. 2. Remove the cup conveyor cover by lifting up. 3. Remove conveyor assembly by lifting up.




3 Remove drip tray grille.
Remove the grille from the drip tray and set it aside. Remove any foreign objects from the drip tray and throw them away.









4 Clean drip tray.
Use a clean, sanitized towel and McD APSC solution to clean the drip tray.



 Chemicals
McD APSC,
Sanitizer solution

5 Check drainage tray.
Pour carbonated water from dispenser into the drip tray. Check that the drip tray drains properly. If drain pan is slow draining service may be required.



Why	To ensure cleanliness and prolong the life of the ABS	
Time required	5 minutes to prepare	40 minutes to complete
Time of day	At close or non-peak periods	For 24-hour restaurants: during low-volume periods
Hazard icons	 Chemicals  Electricity  Manual Handling  Moving Parts  Sharp Objects/Surfaces  Slippery Floors	

Tools and supplies



Brush, nylon-bristled



Bucket, clean and sanitized towels



Bucket, soiled towels



Ice scoop



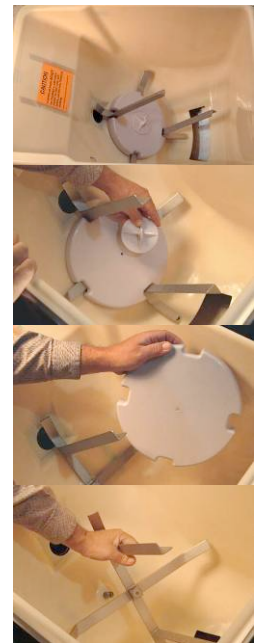
McD All Purpose Super Cleaner (APSC) solution

Procedure

- 1 Turn off ABS.**
Turn the ABS power switch to the OFF position. The switch is located on the lower left side of the unit's front panel.
- 2 Remove top cover.**
Remove the top cover and set it aside.
- 3 Remove ice from hopper.**
Remove and discard all the ice from the hopper using an ice scoop. If necessary, pour clean water slowly into the hopper to melt the ice.



- 4 Remove agitator retainer and ice agitator assembly.**
1. These items are located inside of the hopper. 2. Unscrew the retainer by turning it counter-clock wise. 3. Lift off the agitator disc. 4. Remove the agitator by pulling upwards.



- 5 Clean inside of hopper.**
1. Clean the inside of the hopper and then sanitize using McD APSC solution and a sanitized towel. 2. Clean and sanitize the remaining components including the hopper cover, agitator, agitator disc and agitator retainer at the three compartment sink.



Clean and sanitize ice hopper and ice chute (continued)

6 Reinstall agitator, agitator disc and agitator retainer.

1. Return the agitator to its original position. 2. Replace the agitator disc. 3. Secure in place with the agitator retainer by turning it clockwise.



7 Turn on ABS.

Turn the ABS power switch to the ON position.



8 Set ABS to manual mode.

Press the red "AUTO/MANUAL" button, located in the lower left hand corner of the touchpad, to place the machine in manual mode.



9 Remove front panel.

Remove front panel/lid holder, and set it aside. No tools are needed. Simply push up to unhook the panel and slide it forward.



10 Turn off ice gate.

Ice gate disable switch is located to the left of the ice chute. Turn the ice gate switch to the OFF position.



11 Open ice gate.

Push the ice gate to the left to allow for chute removal. Do not remove the ice gate, simply open it.



12 Remove ice chute.

Pull and hold the locking pin with one hand while rotating ice chute clockwise one inch, then pull the ice chute down to remove.



13 Clean ice chute.

Using McD APSC solution and a nylon-bristled brush, clean and sanitize the ice chute.



14 Reinstall ice chute.

To reinstall ice chute, pull and hold locking pin forward with one hand. With the other hand slide the chute back into place and turn counter-clock wise 1 inch. Release locking pin and check that chute is secure by pulling downwards.



15 Turn on ice gate.

Turn the ice gate switch to the ON position.



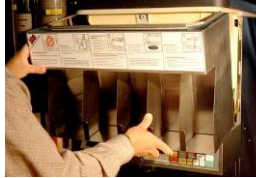
Clean and sanitize ice hopper and ice chute (continued)









16 Refill ice chute.

Press the button labeled 'Extra Ice' to refill the ice chute while in manual mode. It is located on the bottom row, second button from the right.






17 Reinstall lid holder and front panel.



Why	To ensure cleanliness and prolong the life of the ABS	
Time required	2 minutes to prepare	5 minutes to complete
Time of day	At close or non-peak periods	For 24-hour restaurants: during low-volume periods
Hazard icons	 Chemicals  Compressed Gas/Air/Liquid  Electricity  Hot Surfaces  Manual Handling  Moving Parts  Sharp Objects/Surfaces  Slippery Floors	

Tools and supplies

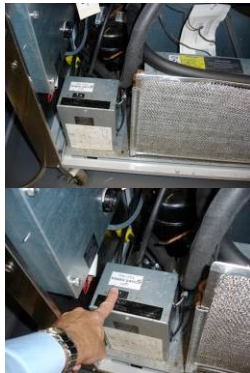
			
Bucket, clean and sanitized towels	Bucket, soiled towels	McD All Purpose Super Cleaner (APSC) solution	Screwdriver, Phillips (only needed on older units with 56... prefix serial numbers)

Procedure

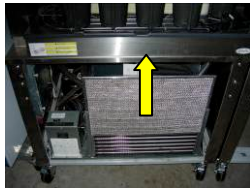
1 Remove lower front panel.
Remove the front lower grille panel. Only older units will require a Phillips head screwdriver to remove 2 screws.



2 Turn off power.
Turn the pre-cool power switch to the off position. This switch is located on the chassis electrical box on the left hand side of the unit.



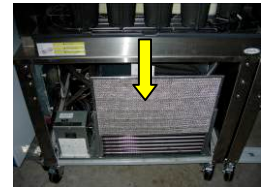
3 Remove pre-cool condenser filter.
Slide the pre-cool condenser filter up to remove it from the ABS. The filter is located on the front of the chassis.



4 Clean filter.
Using a warm solution of McD APSC solution and a clean towel, clean the filter. Rinse the filter in luke warm water and shake off any excess water.



5 Replace pre-cool condenser filter.
Return the pre-cool condenser filter into its original position by sliding it down.



6 Turn on power.
Turn the pre-cooler power switch to the on position. This switch is located on the chassis electrical box.



7 Replace lower front panel.
Replace the front lower grille panel. Only older units will require a Phillips head screwdriver to refasten 2 screws.

