

# 01 Cleaning & Maintenance



**WARNING: DISCONNECT POWER BEFORE CLEANING!** Do NOT use metal scrapers, sharp objects or abrasives on the ice storage hopper, top cover, and the agitator disk, as damage may result.

Do NOT use solvents or other cleaning agents, as they may attack the plastic and metal. Mild soap is strongly recommended for cleaning purposes.

**TOOLS NEEDED:** Two-compartment water pail, Two clean sponges or towels, and Clean Water.

## 01 DAILY



- Clean all exterior surfaces of the unit with the cleaning solution. Rinse with clean water dry with paper towels or clean cloths.
- **DO NOT USE SANITIZER ON EXTERIOR SURFACES.**

## 02 DAILY



- Remove the nozzle from the dispenser by turning counter-clockwise and pulling down.

## 03 DAILY



- Remove the diffuser from the valve by pulling down. Place nozzle and diffuser in a container of water with cleaning solution in it.
- **RINSE DIFFUSER AND NOZZLE THOROUGHLY TO REMOVE ALL CLEANING SOLUTION BEFORE RE-INSTALLING**

## 04 DAILY



- Wipe inside the diffuser area using a clean damp cloth and the nylon nozzle brush.

## 05 DAILY



- Clean the diffuser and nozzle using the nylon nozzle brush. Rinse with lukewarm water.

## 06 DAILY



- Re-install the diffuser and nozzle by turning clockwise pushing up. Ensure they are located correctly in the machine.
- **DO NOT SWITCH NOZZLE LOCATIONS.**



# 02

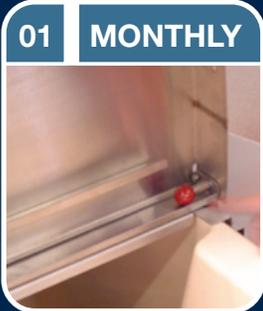
## Recommended Cleaning & Maintenance



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**TOOLS NEEDED:** Two-compartment water pail, Two clean sponges or towels, Liquid Spray Sanitizer and Liquid Cleaning Solution.



01 MONTHLY

- Remove all of the ice from the hopper.
- Open manual fill lid and secure with hinge pin.



02 MONTHLY

- Remove ice deflector plate by pushing back until tab clears slot hole.
- Lift up and pull towards you.



03 MONTHLY

- Remove the agitator retainer and the agitator disc.



04 MONTHLY

- Remove the agitator assembly.



05 MONTHLY

- Using the cleaning solution and the nylon brush or sponge, clean the interior of the hopper, top cover and agitator assembly. Thoroughly rinse the hopper, cover, and agitator assembly with clean water.



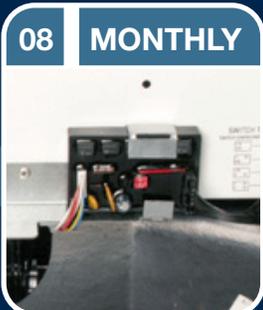
06 MONTHLY

- Re-install the agitator assembly. Take special care to ensure that the retainer is tight.
- Using the spray bottle filled with sanitizing solution, spray the entire interior of the hopper and the agitator assembly. Allow to air dry.



07 MONTHLY

- Remove merchandiser by pushing upwards to unlock tabs.



08 MONTHLY

- Unplug wire from PC Board.
- **CAUTION: DISCONNECT POWER BEFORE CLEANING!**



09 MONTHLY

- Remove the ice chute (snap fit) by spreading the sides apart slightly to disengage the tabs in the cover from the ice chute and sliding down to remove the cover. The ice chute (rear half) is now exposed for cleaning.



10 MONTHLY

- Using the cleaning solution and the nylon brush or sponge, clean the ice chute cover, ice chute (rear half), ice gate, and rinse thoroughly to remove all traces of the cleaning solution.



11 MONTHLY

- Using the spray bottle filled with sanitizing solution, spray these parts with sanitizer. Allow to air dry.



12 MONTHLY

- Reassemble the ice chute cover.



13 MONTHLY

- Plug wire back into PC BOARD.
- **CAUTION: DISCONNECT POWER BEFORE CLEANING!**



14 MONTHLY

- Reassemble merchandiser by pushing down to lock in tabs.

# 03

# Troubleshooting Guide



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## WARM DRINKS

- Lift manual fill cover on dispenser and check for ice level in ice bin. If bin has ice, dispense ice into glass to see if agitator runs.
- If it runs dispense 2 or 3 glasses of ice and then dispense a glass of product. This should be cold.
- **IF BIN HAS NO ICE:**  
1. Check ice machine power switch to be sure it is on.
- 2. Check unit to see if it is plugged in or hard wired. Check circuit breaker.
- 3. If ice maker has power check ice maker water supply.
- 4. If no water check to see if water filters are plugged.

## FLAT/WEAK DRINKS (NO CARBONATION)

- Check product temperature, if over 40° check to be sure there is ice in bin.
- Check CO2 supply to carbonator.
- If pressure gauge on regulator attached to cylinder is less than 500 psi, change cylinder.
- Pressure gauge on secondary regulator supplying carbonator should read 75 psi.
- Pressure gauge on secondary regulator supplying BIB should read 45-60 psi.
- Dispense drinks until you hear carbonator run.
- If it does not check to see if power cord is plugged in.
- Check BIB outlet line for large air gaps.

## BAD TASTE

- Identify if all valves or just one valve.
- Check if correct syrup box is connected.
- Check expiration date.
- Check syrup ratio.

## FOAMING DRINKS

- Check drink temperature.
- If just one valve, remove valve nozzle and diffuser, wash, rinse and re-install.
- If all valves, check pressure gauge on secondary regulator supplying carbonator.

## NO SYRUP

- Check BIB (Syrup Box) and replace if empty. Check if proper side is up.
- Check connector for proper fit and re-install if needed.
- Check BIB outlet for large air gaps.
- Check BIB pump for minimum 45 PSI CO2 pressure.
- Check CO2 tank and make sure pressure gauge is not below 500 PSI.
- Check if CO2 tank is empty or closed.
- Check Secondary pressure.

## PRODUCT NOT DISPENSING

- Check drink dispenser to make certain key switch is on.
- Check power switch to be certain it is on.
- Check to be certain power cord for unit is plugged in.
- Check to be certain circuit breaker for unit is on.

## WATER NOT DISPENSING

- Check to see if water filters are plugged.
- Check to see if water filters are plugged.
- Check for kinked or pinched water lines.

# 04

# CO2 Replacement Guide



**NOTE:** CO2 cylinders **MUST BE STORED** indoors in a warm, dry place and **SECURED** so they don't fall over. **ALWAYS** keep the valve **CLOSED** on a CO2 cylinder that is not in use.

## 01 LOOSEN THE CONNECTION NUT



- Turn tank valve completely to the right.

## 02 LOOSEN THE CONNECTION NUT



- Slowly turn the large nut left (counter-clockwise) and pause briefly to allow pressure to escape.
- **CAUTION: ONLY USE A CO2 WRENCH OR BOX END WRENCH.**

## 03 LOOSEN THE CONNECTION NUT



- Completely unscrew the large nut.

## 04 INSTALL CYLINDER CAP



- Install cylinder cap on empty cylinder.
- **NOTE: THE CAP MUST ALWAYS BE INSTALLED PRIOR TO THE REMOVAL OF THE SAFETY CHAINS.**

## 05 SECURING THE OLD TANK



- Unfasten chains or brackets securing the tank.
- Move tank to a secure location and store with designated chains or brackets.

## 06 SECURING THE NEW TANK



- Place new tank in position and secure with designated chains or brackets.
- Remove the cylinder safety cap.
- **NOTE: TANKS MUST ALWAYS BE SECURED IN POSITION WITH THE PROPER SAFETY CHAINS PRIOR TO THE REMOVAL OF THE CAP.**

## 07 CHECK THE CONNECTION



- Inspect the connection on the new tank for damage or debris.

## 08 CHECK THE SEAL



- Inspect O-ring seal inside the large nut for damage or debris. If connection uses a sealing washer, replace with a new one.

## 09 CONNECT THE NEW TANK



- Fasten the large nut, fitted with O-rings or sealing washers, to new tank.

## 10 CONNECT THE NEW TANK



- Tighten nut with wrench and open the valve by turning to the left.



**NOTE: ALWAYS** keep BIB boxes off the floor. The bag is waterproofed, but eventually the glue joints can weaken causing the container to become unusable.

### 01 DISCONNECT THE EMPTY BOX



- Unscrew or unsnap BIB connector from box.

### 02 BOX POSITION



- Position box on shelf. Proper side up.

### 03 LIFT FLAP WITHOUT TEARING



- Carefully press in on the perforated lines with thumb.

### 04 BAG SPOUT



- Reach into box and grasp bag spout.
- Slide bag spout into circular hole.
- Lock bag spout into place with tab.

### 07 SYRUP DISCONNECTS



- Rinse syrup disconnects in warm water.

### 08 PLACE CONNECTOR ONTO BAG SPOUT



- Screw or snap on BIB connector to box.

### 09 BOX POSITION



- Place box into dispensing position. Proper side up.

### 10 READY TO OPERATE



- Operate dispensing valve to restore syrup flow.