Bob-White Systems:

AUTOMATED BOTTLE FILLER CAPPER
General Safety Rules

WARNING: READ ALL INSTRUCTIONS. Failure to follow the safety rules listed below and other basic safety precautions may result in serious personal injury.

KNOW YOUR BOTTLE
Read and attain a thorough understanding of the owner’s manual and label attached to the bottler. Study your bottler application limitations and its potential hazards.

KEEP SAFETY SHIELDS IN PLACE
The shields must be maintained in working order.

KEEP THE WORK AREA CLEAN
Disorderly work area can cause accidents. Ensure that the floors do not become slippery as a result of liquids or any other materials.

AVOID DANGEROUS ENVIRONMENTS
Keep your work area well illuminated. Provide adequate surrounding work space.

KEEP CHILDREN AND ALL OTHER GUESTS AWAY FROM THE BOTTLE
All guests should be positioned at a safe distance from the work area.

DON'T FORCE THE BOTTLE
Your bottler will perform better and safer at the rate for which it is designed. Don't force the bottler to perform a job for which it was not designed.

WEAR THE PROPER APPAREL
Do not wear any loose clothing, gloves, neck ties, rings, bracelets, other jewelry, and tie back bonnet strings and hair which may become caught in moving parts. NONSLIP footwear is recommended. Wear protective hair covering to keep hair away from face. Long sleeves should be rolled above the elbow.

DON'T OVERREACH
Keep proper footing and balance at all times.

MAINTAIN YOUR BOTTLE WITH CARE
Clean your bottler frequently in order to maintain the safest operation.

DISCONNECT YOUR BOTTLE
Before servicing your bottler or when changing accessories, disconnect the unit.

AVOID ACCIDENTAL STARTING
Ensure that the switch in the OFF position before plugging in your bottler.

NEVER STAND ON THE BOTTLE
Serious injury may result if the bottler is tipped.

CHECK ANY DAMAGED PARTS
If any part of the bottler is damaged, discontinue use until the part is carefully checked to ensure that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other control factors that may affect its operation.

Specific Safety Rules

NEVER LEAVE THE BOTTLE UNATTENDED WHILE IT'S RUNNING
Turn off the power before walking away.

DRUG / ALCOHOL / MEDICATION
Do not operate the bottler while under the influence of drugs, alcohol or any medication.

USE THE PROPER EXTENSION CORD
Your bottler is equipped with a polarized plug (one blade is wider than the other) to reduce the risk of electrical shock. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician install the proper outlet. DO NOT change the plug in any way.

- **Always** keep your hands out of pinch areas.
- **Avoid** awkward operations and hand positions.
- **Never** use solvents to clean plastic parts. Use approved cleaning solutions.
- **Never** alter your bottler. Altering or modifying the bottler is considered misuse and may result in hazardous conditions.
- **Always** replace the power cord immediately if the power cord is worn or damaged in any way to avoid shock or fire hazard.
- **Only** use Carriage Machine Shop replacement parts. Any other parts may create a hazard.
**Grounding Instructions**

1. All grounded, cord-connected tools: In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electrical shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

   Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

   Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

   Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool’s plug. Repair or replace damage or worn cords immediately.

2. Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating less than 150 volts:

   This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Figure 1(A). The tool has a grounding plug that looks like the plug illustrated in (A). A temporary adapter, which looks like the adapter illustrated in Figure 1(B&C), may be used to connect this plug to a 2-pole receptacle as shown in (B) if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. (This adapter is not applicable in Canada.) The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

   Make sure the tool is connected to an outlet having the same configuration as the plug. No permanent adapter is available or should be used with this tool. If the tool must be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel and after reconnection, the tool should comply with all local codes and ordinances.

**Electrical Connections**

110 plug needs a 20 amp breaker

**Extension Cords**

If an extension cord is necessary, make sure the cord rating is suitable for the amperage listed on the machine’s motor plate. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Use the chart below as a general guide in choosing the correct size cord. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
Preparing the Bottler

Before operating, please follow these guidelines to ensure the Bottler is adjusted and set up for the proper size bottles.

1. Select proper template for the size you are filling by sliding the stainless tray in place over square hollow tube, with the taller guard to the back, aligning the pins in the holes on the table top.

2. Place plunger into the tube and push down until plunger is flush with top of tube rod.

3. Place bottle pusher to the right of the filling nozzle against the front guard. NOTE: Get the proper bottle pusher for the size bottle you are filling. Use wide for quarts, half gallons and gallons. Use narrow for pints and smaller.

4. Place a bottle under cap chute. Set cap in place. Manually push bottle under the cap. If cap does not gently come to rest directly on top of the bottle, reach up behind capsetter and release the red-handled toggle clamp with one hand. With the other hand, adjust the capsetter head up or down, until cap properly sits on top of bottle without being forced. The capsetter is not meant to completely apply the cap, only to place it properly.

5. Use pedal to set the cap stomper. When pedal is pressed, the stomper goes up allowing the bottle to go into place. Release the pedal and the stomper comes down to finish the application of the cap. If the stomper needs to be adjusted, pull the stainless tab above stomper plate and adjust to best notch.

6. If bottling tray needs to be adjusted, there are two bolts on the left in front of the cap setting area. Turn the screws in either direction to adjust the bottling tray.

7. Adjust vat nozzle to the correct position for filling. Loosen vat strap by opening strap clamp to the left and lifting the vat up or down. There is a slider in the back of the vat to adjust to the different positions by lifting the slider up or down through the slots. The slider should be against the bottom of vat when the vat clamp is locked into place.

8. Place a bottle under the nozzle; depress pedal so bottle is lifted into place. If nozzle is not correctly positioned to fill, continue adjusting. The bottle must push against the white plastic plunger nozzle to open the seal for filling. When adjusted properly, liquid begins to fill the bottle.

9. If desired level is not achieved, adjust the fill level by sliding extra rubber washers (2 thin & 2 thick washers are included with every bottler) over the stainless fill nozzle until desired level is achieved. The more washers you add the higher the fill level will be.

10. Filling the cap spinner: This is the large white container with the stainless lid on top of the bottler. Remove the lid and fill with the proper amount of caps.

   NOTE: Do not overfill or force the lid on. The spinner needs space in the container to operate properly. It is better to put less caps in and refill as needed rather than to overfill causing the spinner to malfunction. We recommend a maximum of ___ caps at a time.
11. Once filled with caps and all other adjustments have been made manually, plug in the machine.

12. Turn the switch located on the right of the fill nozzle to engage the cap spinner to allow caps to fill the chute.

13. The catch fingers on the cap chute are adjusted properly for standard size caps at our factory when the bottler is manufactured. If you need to adjust the cap fingers for non-standard caps, simply adjust the screw on the front of the cap shoot head. There is a locking nut and spring that will adjust.

14. Place empty bottles on right side of the table top. Using the right end of the bottle pusher to catch a bottle, slide the bottle to the left under the nozzle until bottle pusher hits the stop on the left side. If the pusher needs to be adjusted, adjust screw in either direction on the stop. Bottle should come directly under the nozzle when the pusher hits the stop.

Operating the Bottler

1. Once bottle is in place using only the bottle pusher, release the fill pedal until the bottle is full. While the first bottle is filling you can use the pusher to catch the next empty bottle and slide it to left to be in pre-fill position. Release the pedal, sliding the pusher to the left. This will set the next bottle to fill and send the first bottle to the cap chute. Release pedal to fill the next bottle and seal the first.

2. Removing the vat: Release vat clamp and remove from slider. To disassemble the valve, remove the O-ring on bottom of nozzle, pull up on white diaphragm until it comes off the stem, and then release clip on inside of vat by pulling away from stem. Nozzle stem comes out completely. Remove stem from white diaphragm and disassemble all parts for proper cleaning.

3. To reassemble the vat, turn upside down and place stem nozzle tube through the hole. Grabbing stem with your hand, flip vat right side up and place stem clip in place. Next, insert diaphragm stem tube into diaphragm at an angle, pressing firmly against the diaphragm until it slides completely in place. Part of the stainless tube will still be exposed, as this will slide up and down over the fill nozzle. Once the diaphragm is assembled, slide it over the nozzle stem, connect it to the vat until diaphragm is securely against the bottom of the vat lip. Lastly, use your hand to manually slide the diaphragm tube back to expose the nozzle tip, inserting the O-ring over the nozzle tip into its secure place.

4. The vat lid has two ports in the top, a 1 ½” furl and 2” furl with the vat tube in it. This tube is angled so that the level of milk is above the milk going into the vat (to help with milk foaming). The 1 ½” port can be capped or used to insert a float pump control system.

5. There are six different table top trays: serving size, pint, tall quart, regular quart, half gallon and gallon. The cap system is a snap cap system. There is also a snap screw cap system but the snap cap system is standard.

Cleaning

1. Unplug the machine.
2. Clean only with approved milk equipment detergent / sanitizer and HOT water.

Maintenance

1. Keep cord in good condition.
2. Keep motor compartment clean & dry.

Problems? Questions?

Call Bob-White Systems at (802) 763-2777 or email: info@bobwhitesystems.com