

AUTOFILL UNIT INSTALLATION INSTRUCTIONS

INTRODUCTION

Please read and follow the steps below to install the autofill unit. The autofill unit should be located near the machine. Do not extend the wiring or tubing.

NOTE

The machine must be empty and clean when installing the autofill unit.

KIT CONTENTS

Before starting, take inventory of the kit to ensure you have the following:

Qty.	Description
1	Wiring (with protective covering)
1	Wiring (no protective covering) (extra part - not needed for this install)
4	Elbows - John Guest Speedfit
4	Fittings - John Guest
4	Grommet
2	Hose - 2" Length
2	Tubing - Blue (Water)
2	Tubing - Translucent (Mix)
2	Tubing - Clear (Syrup)

ADDITIONAL PARTS NEEDED

The following parts are needed to install the autofill unit and are not included in the kit:

- Tubing to connect the autofill unit to the water supply. Either:
 - 3/8" OD (1/4" ID) tubing OR
 - 3/8" ID tubing and a barbed John Guest fitting (PP251212W) or equivalent.
- Shutoff valve for water supply
- Bag-In-Box (BIB) connector

INSTALL TUBING IN TANKS

Cut out the attached template to determine the location of the tubing holes and the depth of the mix level probe. Follow the steps below to install the tubing into the tank.

1. Remove the tank lids from each tank.
2. Align the edge of the template with the top of the tank and the outermost probe (either right or left probe). Mark the tank with the hole locations.

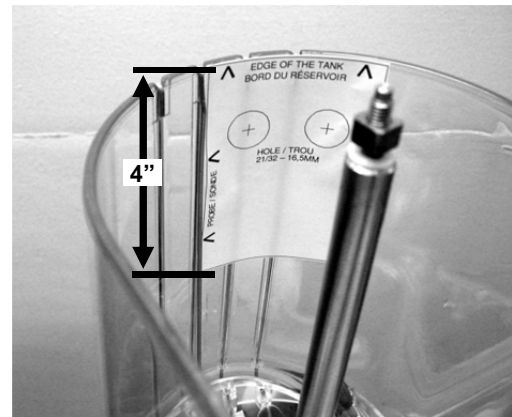
NOTE

All the tanks must be drilled on the same side. If drilling on the left corner of one tank, all the other tanks must be drilled on the left corner.



Drill Location

3. Drill the tanks using a 21/32" (16.5mm) drill bit.
4. Install the grommets into the holes.
5. Press the smooth end of the Speedfit elbows into the grommets and connect the 2" length of tubing to the elbows on the inside of the tanks.
6. Measure and cut the mix level probe so that the probe extends 4" into the tank. The mix level probe is wire that extends into the tank.



Probe Length

WIRING THE AUTOFILL UNIT

1. Disconnect the machine from the power source.

⚠ WARNING

Hazardous Voltage

Disconnect all electric power before servicing. Failure to disconnect power before servicing could result in death or serious injury.

2. In the Autofill kit, locate the wire harness with the protective outer jacket.

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3. Insert one end of the harness to the connector on the bottom of the machine.



Connect Wiring to Bottom of Machine

4. Connect the other end to the Autofill unit.
5. Connect power to the clearbowl machine.

SETUP CONTROL FOR AUTOFILL USE

These steps prepare the clearbowl machine to recognize and use the Autofill unit.

1. Press the Main Power Switch on the clearbowl machine to turn it on.
2. To access the autofill setting, press and hold the Menu button about two seconds. The display will show Lamp On/Off.
3. Press the Menu button repeatedly until the Refill screen is displayed.
4. Press the up or down arrow button to change the setting from Off to On.
5. Press the Menu button to save the setting.
6. Repeat steps 2-5 for each control.
7. Turn the clearbowl machine Off.

CONNECTING TUBING

The tubing for each tank must be connected to the Autofill for that specific tank. For these instructions, the tank on the left when **viewing from the back of the machine** is "Tank 1". "Tank 2" is the middle (or right tank on a two tank machine) and "Tank 3" is the rightmost tank.

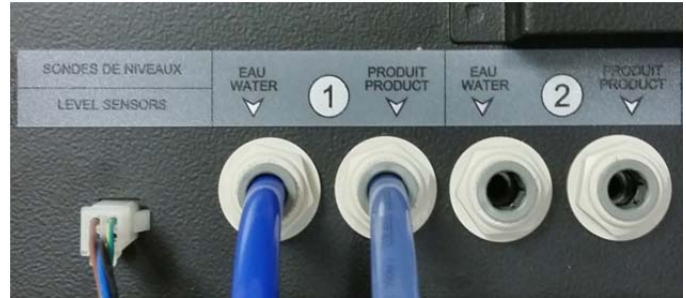
Included with the Autofill unit is blue tubing for water and translucent tubing for product.

1. Measure the distance from the back of the machine to the autofill unit and cut the blue tubing and translucent tubing to length. Leave enough slack so that the tubing doesn't kink.
2. Connect the tubing to the Speedfit elbows (previously installed) on each tank. Use one blue tube and one translucent tube for each tank.

3. Connect the other end of the tubing to the Speedfit connectors on top of the autofill unit. Connect the blue tubing to the water connector and the translucent to the product connector.

NOTE

Make sure the tubing is connected from the autofill unit to the correct tank number on the machine. Tank 1 is the leftmost tank when viewing from the back of the machine.



Connections at Top of Autofill Unit

4. Connect tubing from the water supply to the autofill unit. The Speedfit water connector is located at the lower left corner on the back of the Autofill unit. The connector requires a 3/8" OD tube or fitting.



Water Supply Connection

5. Connect one end of the clear product tubing to a bag-in-box (BIB) connector.

NOTE

The BIB connectors are not included with the autofill unit and differ based on the syrup manufacturer. Use a connector that works with your syrup manufacturer's bag-in-box.

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- Connect the other end of the clear product tubing to the back of the autofill unit. Be sure to connect each syrup flavor to the desired tank. Repeat for each tank.



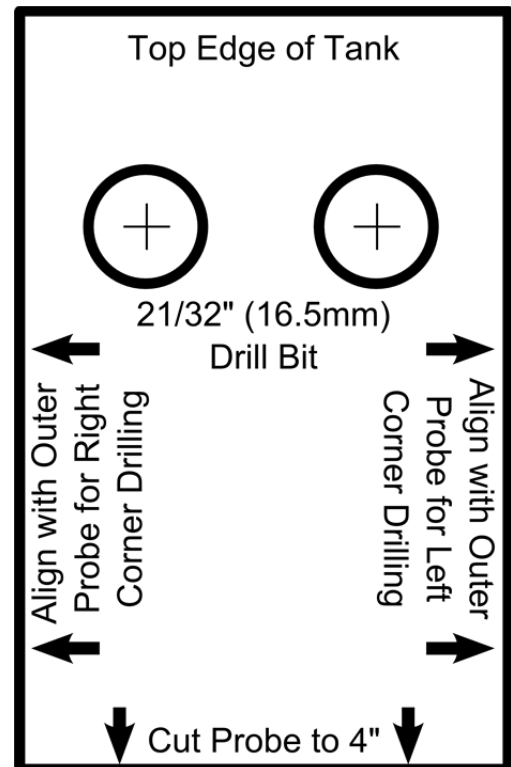
Connecting Syrup to the Autofill Unit

- Make sure the Dispense/Sanitize levers on the front of the autofill unit are set to Dispense. The arrows on the levers should point straight up.



Autofill Levers

- Turn on the water supply and check connections for leaks.



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CLEANING & SANITIZING THE SYRUP TUBING

Clean and sanitize the tubing before the first use and on a semiannual basis or as state and local codes dictate. The machine must be empty and clean when following this procedure.

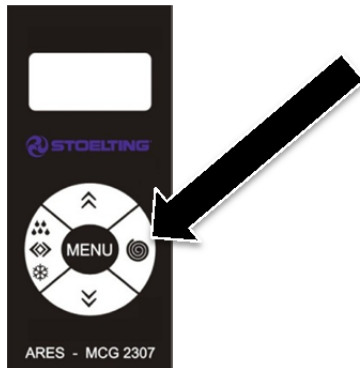
Repeat the following steps for each tank.

1. Make sure the autofill unit is off.
2. Prepare 4 gallons of Stera-Sheen Green Label Sanitizer according to manufacturer's instructions to provide a 100ppm strength solution.
3. Cut an adapter from an empty bag of syrup. Connect the adapter to the BIB connector of the syrup line. Put the BIB connector into the bucket of sanitizer.

NOTE

If you do not have an empty bag of syrup, remove the plug from the top of the BIB connector. Do not lose the plug; it is needed for proper operation of the BIB.

4. Turn the autofill Main Power and machine Main Power switches On.
5. Press the Auger Movement button on the machine. The autofill system will fill the tank.



Auger Movement Button

6. Monitor the sanitizer level in the tank. Make sure the autofill system turns off within 1" of the mix level probe. If it does not, turn the autofill and machine off, disconnect power, and check the electrical connections.
7. After the sanitizer has run through the pump, press the Auger Movement button again to stop the auger and deactivate the autofill system.
8. Drain the machine and turn the machine Main Power switch Off.
9. Disconnect the bag adapter from the BIB connector (or reinsert the plug into the connector). Connect the BIB connector to the syrup BIB.

10. Turn the machine Main Power switch On and place a cup under the clear tube in the tank.
11. Press the Auger Movement button to activate the autofill unit and flush the sanitizer out of the pump and tubing. When pure syrup comes out of the tubing, turn the machine off and discard the cup. Drain the water out of the tank.
12. Place the cover on the tank. The machine is now ready to operate.

FLUSHING WATER THROUGH THE TUBING

The following procedure should be completed as state and local codes dictate.

These steps can be completed when the machine is operating with product in the tanks.

Repeat the following steps for each tank.

1. Press the Auger Movement button on the machine to turn off the auger and deactivate the autofill system.
2. Disconnect the syrup and water tubing from the Speedfit elbows on the back of the tank. To disconnect, press the dark gray collar inwards and pull the tubing out.
3. Place the tubing in a large bucket.

NOTE

The autofill tubing requires about 15 gallons of water to be thoroughly cleaned. If using a 5-gallon bucket, fill and empty it three times.

4. Turn the Dispense/Sanitize lever on the autofill unit to the Sanitize setting. The arrow on the lever should point down.
5. Press the Auger Movement button.
6. When the bucket is full, press the Auger Movement button to stop the autofill system.
7. Turn the Dispense/Sanitize lever to the Dispense setting. The arrow on the lever should point up.
8. Place the tubing in an empty bucket and press the Auger Movement button. This will flush water out of the pump and tubing. When pure syrup comes out of the product tubing, press the Auger Movement button and empty the bucket.
9. Connect the syrup and water tubing to the Speedfit elbows at the tank.
10. Press the Auger Movement button to continue normal operation.