

[Guide] Carbonator Replacement

Overview

This document is intended to provide step-by-step instructions for field technicians when replacing a complete carbonator unit in a Standup (SU) Bevi unit.

Frequently Asked Questions

Q: How do I know when the entire carbonator unit needs to be replaced?

A: *Symptoms that may indicate the need for an entire carbonator replacement include the following:*

- *Water not chilled*
- *Water not carbonated*
- *Noise (either nonstop or occasional)*
- *Taste (moldy or metallic)*
- *Internal water leakage*
- *Excessive CO2 consumption*
- *Dispensing issue*
- *Advised by Bevi to do so*

Q: Is there ever a situation when the carbonator can be fixed without needing to replace the entire carbonator unit?

A: *Generally not, the current recommendation is to replace the entire carbonator unit when there is a failure.*

Q: How long does replacing a carbonator unit take?

A: *The replacement process takes approximately 30 minutes.*

Questions Answered in this Document

Q: [How do I turn off the water source to the Bevi?](#)

Q: [How do I remove and replace a carbonator unit for the V1.5 Standup Bevi?](#)

Q: [How do I remove and replace a carbonator unit for the V1.0 Standup Bevi?](#)

Q: [How do I remove and replace a carbonator unit for the V.75 Standup Bevi?](#)

Q: [How do I empty the carbonator for the V1.5 Standup Bevi?](#)

Q: [How do I empty the carbonator for the V1.0 Standup Bevi?](#)

Q: [How do I fill the ice bank?](#)

Required Tools & Materials

- #3 Phillips Screwdriver
- Collapsible Bucket
- Booster pump (Part # 720-0006)



- 3/8" Push to Connect Stoppers



Task 1: Turn Off Water Source to the Bevi

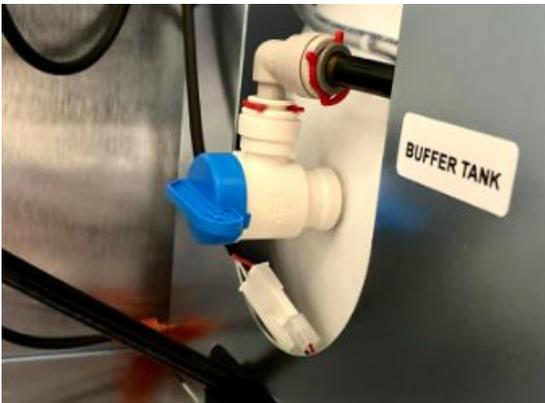
1. For all standup units, follow the incoming water line and turn the manual valve so that it is in the closed position. The water line enters the back of the machine chassis.

Task 2: Remove and Replace the Carbonator

V1.5 Standup



1. Isolate the buffer tank by turning the manual valve to the closed position.

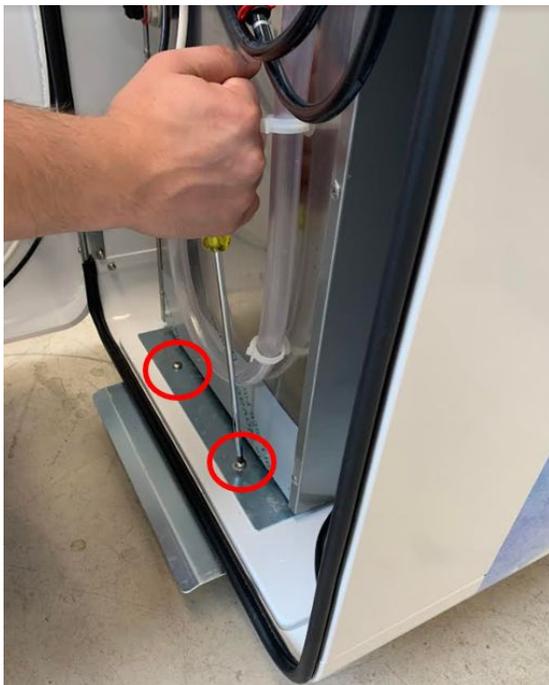


2. Turn off the carbonator by flipping the green switch on the side of the carbonator, near the power cord.



3. Close the valve on the CO2 tank.
4. Unscrew the (2) screws that secure the foot clamp at the base of the carbonator using a #3 Phillips screwdriver.

Note: Use the (2) threaded holes on the plumbing tray to secure the screws until needed again for installing the new carbonator.



5. Remove the foot clamp and set aside.



6. Using the service lines located on the side of the door, purge the sparkling water line and release the pressure from the still water line using the manual valves. When no water continues to drain, this step is done.



7. Skip to [Task 3](#) below for instructions on how to empty the carbonator (either with or without a pump) before continuing with the rest of the procedure.
8. Remove the (5) red clips from the fittings located on the front of the carbonator. Set aside for later use.



9. Disconnect the tubing that is connected to these (5) fittings.
10. Remove the (5) fittings and set aside.
11. Plug exposed openings from the fittings.



12. Disconnect the power plug from the carbonator



13. Remove the carbonator from the unit.



14. To re-install the carbonator, perform steps 1-13 in reverse order, omitting the water line purges and emptying the carbonator.
15. Fill the ice bank following the instructions in [Task 4](#) below.

V1.0 Standup



1. Turn off the carbonator by flipping the power switch on the side



2. Close the valve on the CO2 tank.

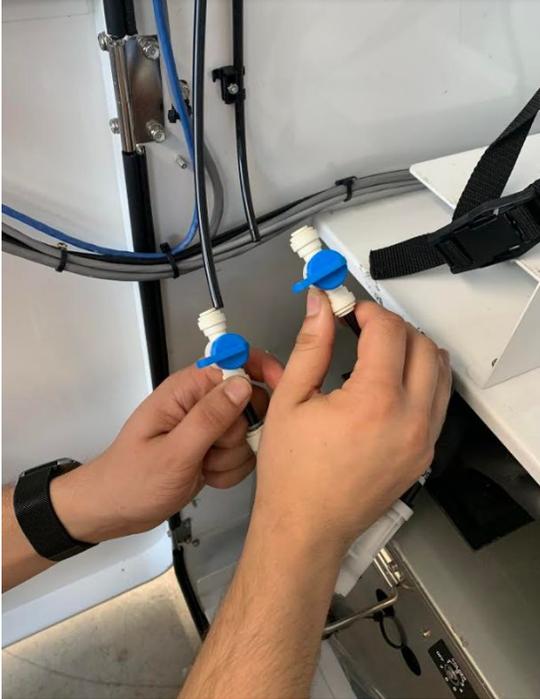
3. Purge the sparkling water line by holding a bucket under the dispense nozzle and initiate a sparkling dispense on the touchscreen. Once no water is dispensing, the water line has been adequately purged.
4. Release the pressure in the still water line by initiating a still dispense on the touchscreen. Keep the bucket under the dispense nozzle in case any water is eliminated from the tube.



5. Close the two manual valves on the sparkling and still water lines that lead to the carbonator.



6. Remove the red clips and disconnect the valves, leaving them attached to the carbonator.



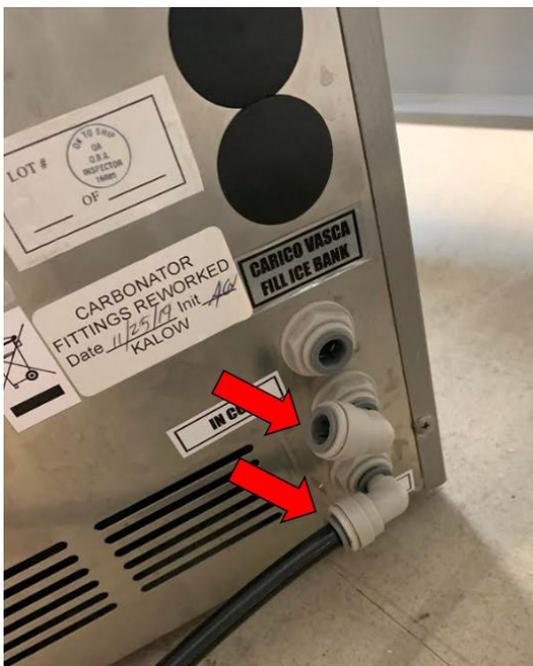
7. Skip to [Task 3](#) below for emptying the carbonator before moving ahead with the following instructions.
8. Pull the carbonator out of the unit.



9. Remove the power plug from the side of the carbonator.



10. Remove the IN WATER and IN CO2 tubes from the back of the unit.



11. To re-install the carbonator, perform steps 1-10 in reverse order, omitting the water line purges and emptying the carbonator.
12. Fill the ice bank following the instructions in [Task 4](#) below.

V.75 Standup

The carbonator replacement process for the V.75 standup unit is the same as V1.0.

Task 3: Emptying the Carbonator Tank

V1.5 Standup

Emptying the Carbonator Tank with a Pump

If emptying the carbonator without a pump, skip to step 6.

1. Disconnect “fill/empty ice bank” water line from the front of the carbonator.

NOTE: Before turning the shutoff valve to the “open” position, make sure the tubing is pointing toward your bucket/sink.

2. Turn the shutoff valve on the “fill/empty ice bank” water line to the “open” position. The carbonator is empty when no more water is coming out.
3. Insert tubing of pump into “fill/empty ice bank” push-to-connect fitting.



4. Plug the pump into an electrical outlet, and turn on.

NOTE: Before pumping, check to ensure arrows are aligned on the pump for proper directional flow. Additionally, check to see if the opposite end of the pump tubing is pointing toward the bucket/sink.

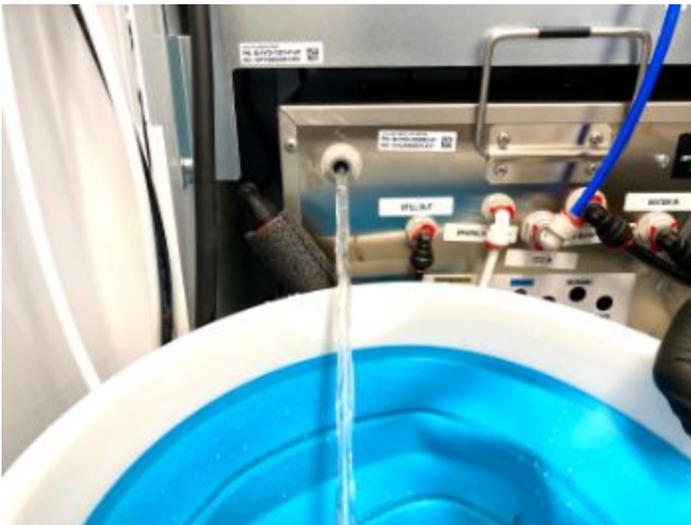
5. Pump until completely empty.

Emptying the Carbonator Tank Without a Pump

6. With the carbonator powered off, locate the recirculation jumper and disconnect the fittings from the carbonator.



7. Hold a bucket right underneath the fittings and turn the carbonator on. Water should be now pumping into the bucket. Continue until no more water is coming out.



8. Turn off the carbonator and reconnect the recirculation jumper.

NOTE: In some cases the recirculation jumper may not be present and rather $\frac{3}{8}$ stoppers will be in place.

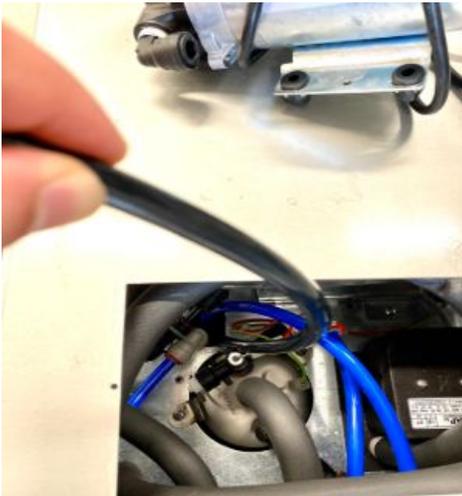
V1.0 Standup

Emptying the Carbonator Tank with a Pump

If emptying the carbonator without a pump, skip to step 4.

1. Remove the carbonator to the point where you can access the protective cover located on the top front of the carbonator that has (2) Phillips head screws located on either side.
2. Remove the cover.
3. Insert pump tubing into the carbonator's ice bank and ensure that tubing reaches the bottom of the carbonator. Pump until completely empty.

NOTE: Before pumping, check to ensure that arrows are aligned on the pump for proper directional flow. Additionally, check to see if the opposite end of the pump tubing is ready in bucket/sink.



Emptying the Carbonator Tank Without a Pump

4. With the carbonator powered off, locate the recirculating line and disconnect them at the elbow connectors. The connection may be tucked and require extraction.



5. Place the two lines coming from the carbonator in the bucket and turn the carbonator on. This will turn on the recirculating pump which will push water out of one of the lines into the bucket. Continue until no more water is coming out.
6. Turn off the carbonator when complete.

Task 4: Filling the Ice Bank

1. Detach the overflow tube from the (2) securing clips.
2. Place overflow tube in bucket
3. Open water source valve to fill ice bank until water trickles into the bucket.
4. Once water starts to fill the bucket, close the water source valve.
5. Replace overflow tube in the securing clips on the front of the carbonator.