Rev. (001)
Date: 11/14/2022

[SOP] Ice Bank Filling - Legacy Units

Overview

Over a period of time, water from the chiller/carbonator ice bank may have evaporated. To ensure that no damage occurs to the chiller/carbonator from running when the water level is too low, it is required that the Ice Bank be topped off with water when restarting the Bevi.

Below you will find the proper steps to fill the chiller/carbonator ice bank of a (Cosmetal/Niagara Chiller) on legacy units (Non Standup 2.0) at the time of install and/or periodic service visits.

ProTip - Be sure to check ice bank levels monthly or quarterly at a minimum!!!

This document applies to all

- Standup 0.75, 1.0, 1.5 units
- Countertop 1.0 units

Required Tools

1. Container or bucket with minimum capacity of 2.0L. to collect excess water.

FAQs

- **Why is the water level low?**
    - It is expected that water will evaporate over time
- **What are the dangers of running the carbonator when the ice bank water level is too low?**
    - This can cause excess stress, particularly on the agitator pump in the carbonator
- **What does the amount of water in the overflow tube mean?**
    - The overflow tube is there to show you when the icebank is full. This should be emptied if water is present.

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Task 1: Before Starting

1. Using the Chiller power button, turn off power to the system or chiller.
   Note: For CTs, turning off power to the Console will not power down the Chiller due to it being separately connected to supply power.

Task 2: Filling Ice Bank

1. Depending on Model, your unit may have a dedicated water valve to fill the ice bank (SUs). For CTs, you will have to manually turn off the main water supply valve (WATER IN) and disconnect and reconnect to the ICE BANK FILL port. (see figure 2)

Fill Valve located at rear of Chiller

SU V0.75: Ice Bank Fill Valve - (Chiller lines coming from the Top)

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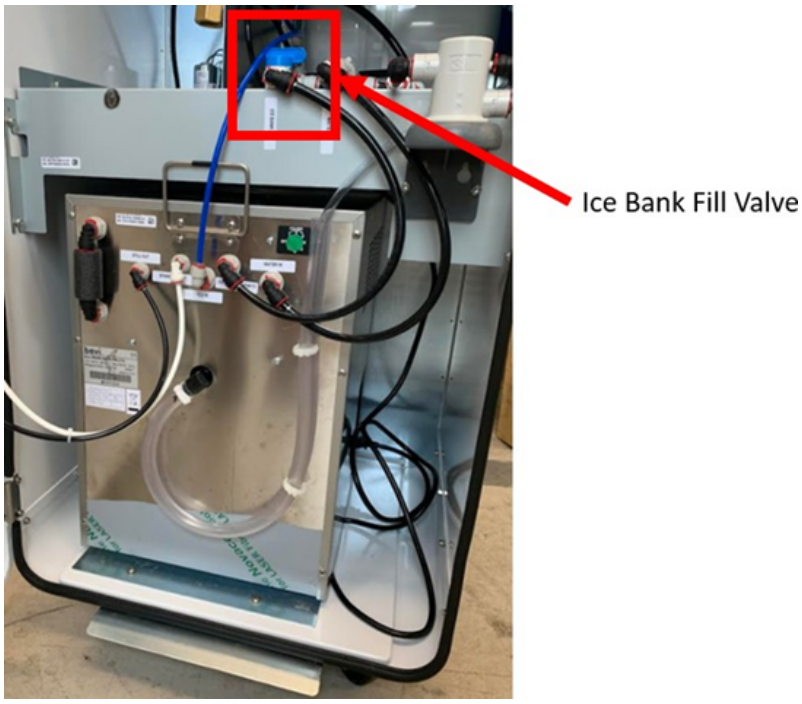
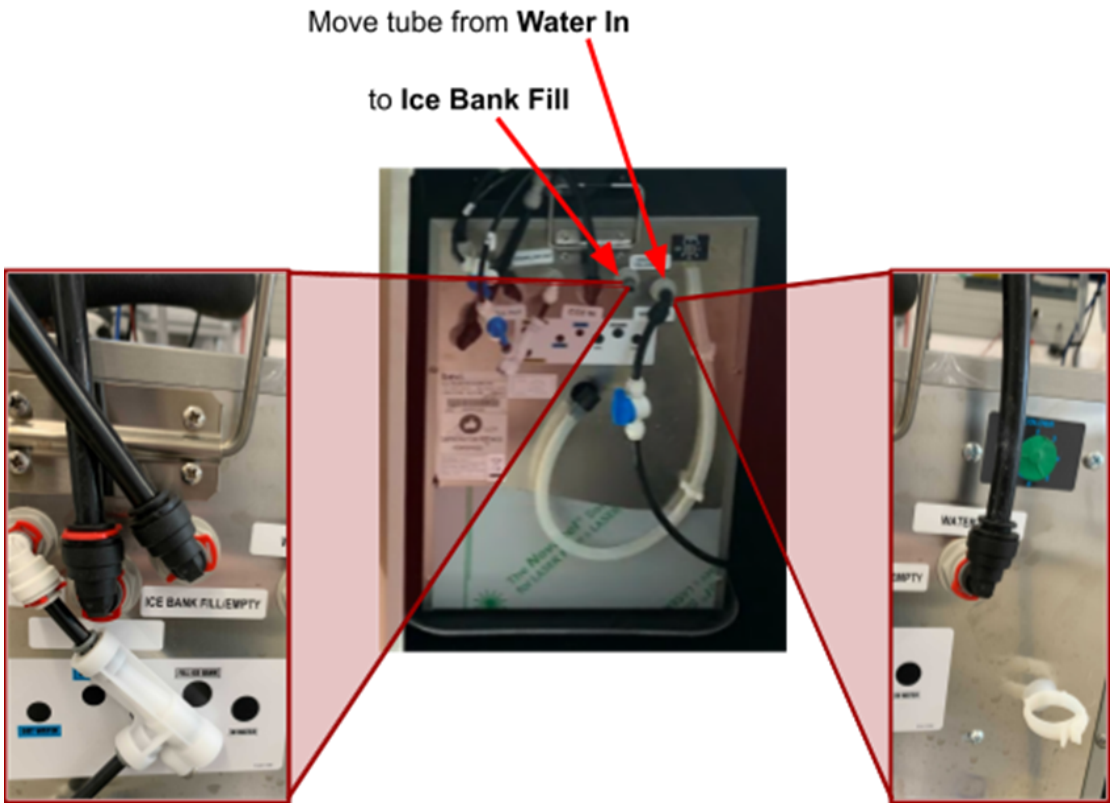


SU V1.5 Ice Bank Fill Valve - (Chiller lines coming from the front)

(Figure 2)



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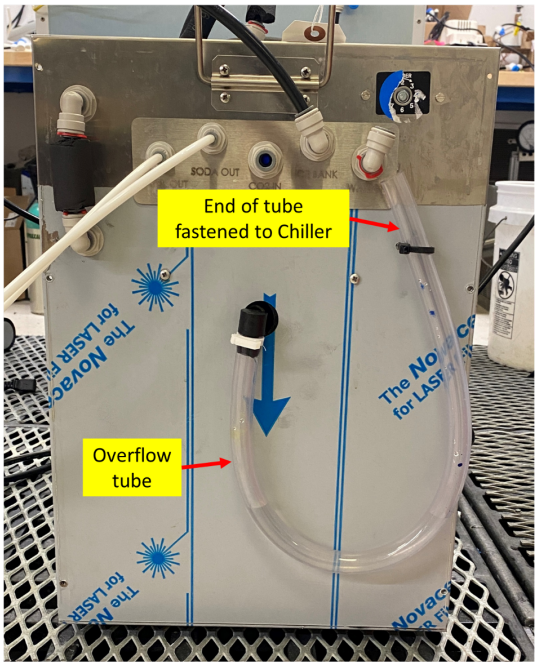
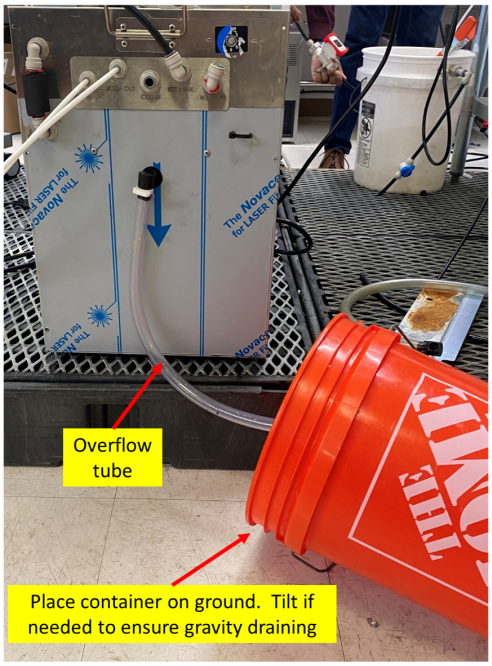
CT Ice Bank Fill - Water In

2. Unfasten the overflow tube from its location on the face of the Chiller and allow it to hang down with the end pointed into an appropriate container. Ensure there are no kinks in the tube and that it has a constant flow down into the container. You may need to tilt your container in order to maintain a downward slope for gravity to drain water properly.

Note: Chiller shown outside of unit for training purposes

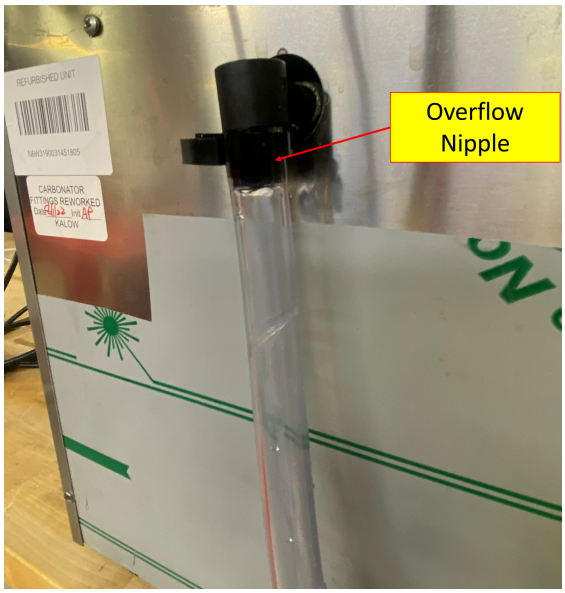


Installed Position: Tube fastened to Chiller, end above nipple

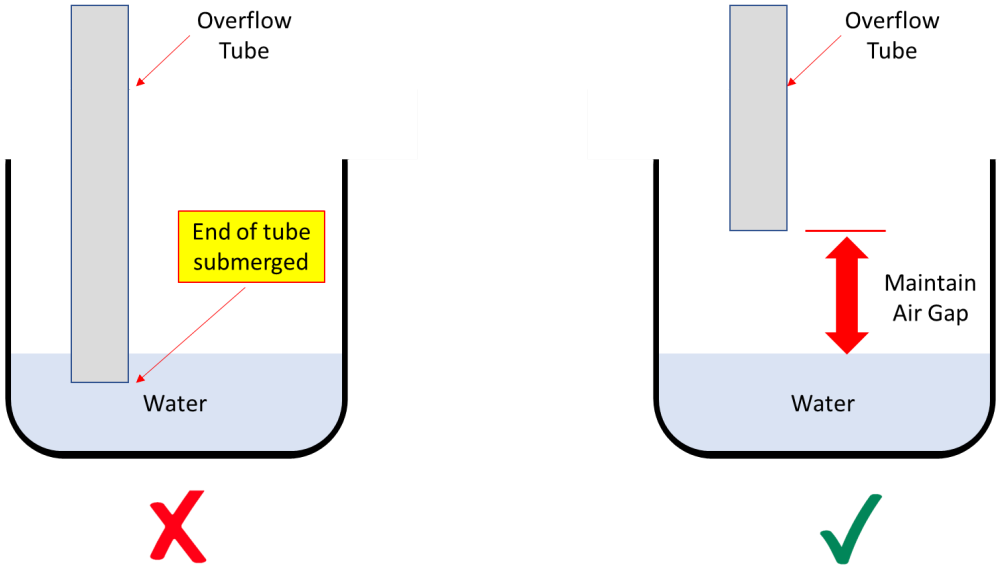


Fill Position: Tube unfastened and pointed down into container

3. Open the water valve and begin filling the ice bank with water while paying attention to the overflow nipple. Once you can visually see water coming out of the nipple, immediately turn OFF the water valve.



4. Water will continue to flow out of the nipple and through the overflow tube. While the overflow tube is in the container, be sure to maintain an air gap in the container between the end and the top of the water in the container. This is to prevent an air lock during draining which will stop the draining process. When there is no more water coming out of the nipple, move to the next step.



5. **For Service:** Turn the unit/chiller back ON. The agitator pump in the ice bank will also turn on. Allow the unit to run for at least 10 seconds to allow for any additional water to flow out of the unit due to the agitation. Once no more water is confirmed coming out, the ice bank is now FULL.

For New Installs: Proceed to rest of install; ie, filling carbonator, etc. before turning the unit/chiller back ON. Allow the unit to run for at least 10 seconds to allow for any additional water to flow out of the unit due to the agitation. Once no more water is confirmed coming out, the ice bank is now FULL.

6. Reinstall the Overflow Tube to the *INSTALLED* position. For CT, replace the water line for filling the ice bank back to the WATER INLET port.
   Note: When replacing the Overflow Tube back in installed position, water may still drain and collect in the tube if it has not been fully drained per STEP 4-5. If this occurs, release the tube and drain out the remaining water. Do not leave the site until you confirm that the tube is **EMPTY**. No standing water should be left in the tube.

7. This completes the ICE BANK FILL process.

Reference Video:

Filling Ice Bank

If you have any questions please contact support at support@bevi.co