

Bevi Alert Center - Pump Head Retrofit

Overview

You have been directed to this page because you have encountered a Machine Alert that indicates this machine requires a Pumphead Retrofit. This document outlines how to work with the Bevi Standup 1.5, 1.0, or 0.75 models to fix this issue.

Why do I need to do a Pump Head replacement?

Select units were assembled with fittings that were torqued above specification. This will lead to the fitting failing prematurely, causing significant leaks. The pump head will need to be replaced immediately in order to prevent potential leaks.

Recommended Tools and Required Parts

- 720-0153 Pump Head (formerly 300-0033)
- #2 Phillips Screwdriver
- John Guest Push-To-Connect Tool (optional)



Task 1: Remove Chiller from the machine

All chiller repairs begin by powering off the chiller and unplugging it from the power source.



1. For VI Style Chillers (Inputs located on the back, Outputs on top)

- Turn off the water supply.
- Carefully slide the chiller out of the machine and place it on the floor.

NOTE: Ensure there is enough slack on all tubing before removing to prevent any kinks or damage to the tubing.

2. For VI.5 and CT Units (All Inputs and Outputs located on the front)

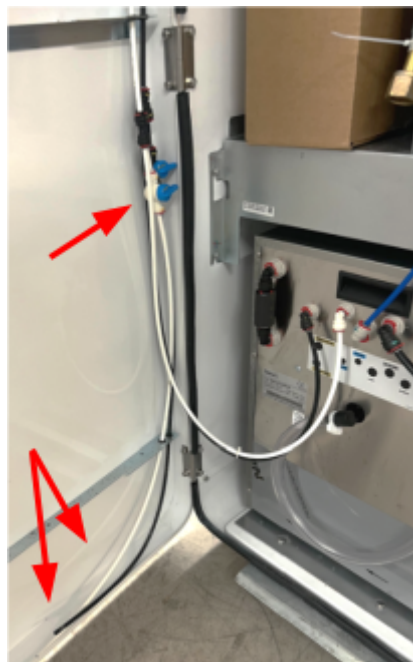


- Turn off the Buffer Tank
 - The buffer tank is located below the flavor shelves

- Rotate the shut-off valve located on the left-hand side of the tank $\frac{1}{4}$ " turn counterclockwise,
- When in the off position, the valve will be pointed in the upright direction



- Turn off the CO2 tank
- Depressurize the still and sparkling water lines
 - Locate the Still and Sparkling Diagnostic Line on the inside of the door.

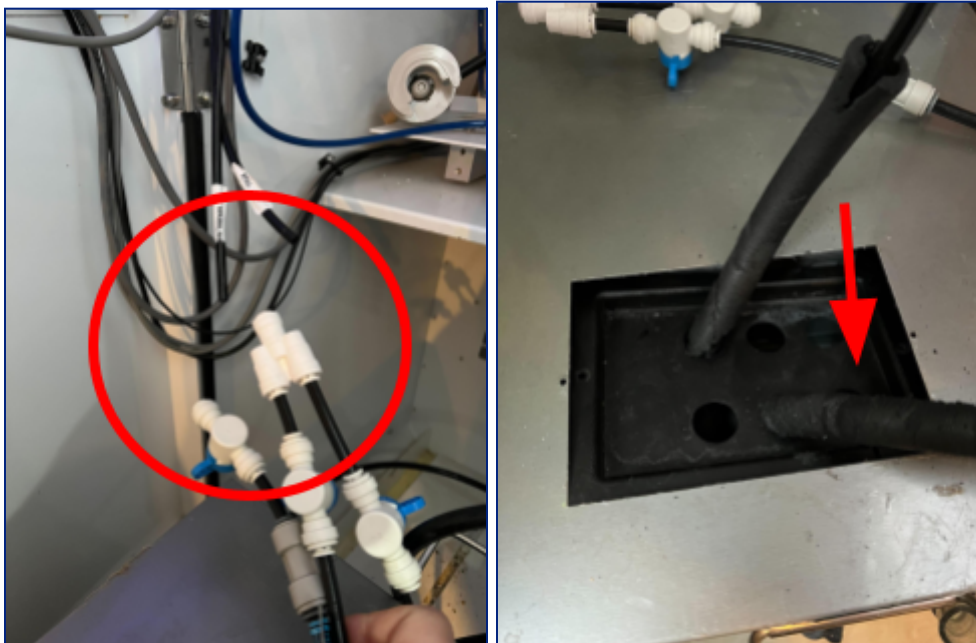


- Run the ends of the diagnostic lines into a bucket or container
- Open the valves to release pressure on the water line
- Disconnect the water in, ice bank fill, and CO2 tubes from the chiller
- Remove the 2 screws on the bracket at the base of the chiller
- Carefully slide the chiller out of the machine and place on the floor

Task 2: Remove the cover from Chiller

1. For Standup 1.0 Style Chillers

- Locate the shut off valves for the still and sparkling output lines
- Turn the valves to the off position
- Disconnect the tubing from the OUTPUT side of the shut off valves.
- Remove the two screws securing the black plastic panel on top of the chiller, and pass the panel through the hole to the inside.



- Use a #2 Phillips screwdriver to remove 8 total screws from the rear and front panels.
- Carefully pull up the sheet metal cover. Note: There may be burrs and/or sharp edges.

2. For Standup 1.5/CT Style Chillers

- You should not need to disconnect the still or sparkling lines to remove the sheet metal cover
- Use a #2 Phillips screwdriver to remove 8 total screws from the rear and front panels.
- Carefully pull up the sheet metal cover. Note: There may be burrs and/or sharp edges.



Task 3: Replace the Pump Head

1. Locate the pump head and remove it from the pump
 - Remove red clips from the pump head fittings and disconnect the tubes from the black push-to-connect fittings
 - Use a #2 Phillips screwdriver to loosen the screw on the collar
 - Remove the pump head and set the collar/screw to the side



2. Install the New Pump Head

- Ensure the replacement pump head rotates freely with finger pressure and has pre-torqued and glued fittings.
- Place the collar over the pump head and tighten it against the motor.
- Ensure the pump head is flush to the motor.
- Tighten the collar so it's snug
- Insert water tube/elbow to pump head fittings.
 - a. The **top** fitting is the input from the **water-in** supply
 - b. The **bottom** fitting is the **output** from the pump to the carbonation tank



Task 4: Replace Cover and Reinstall Chiller

- Carefully replace the sheet metal cover. **Note:** There may be burrs and/or sharp edges. Use caution.
- Using a #2 Phillips screwdriver to re-insert 8 total screws from the rear and front panels.
- Re-install the Chiller
- Turn the Water back on and test the unit for any leaks or loose fittings before closing the Unit.

Task 5: Validate Sparkling

- Dispense 1 to 3L of sparkling water continuously to purge the carbonation chamber and force the pump to pull fresh water.
- Taste test the sparkling water and make sure it is bubbly and not flat. Purge again if necessary.
- If no sparkling water is being produced at this time go through the troubleshooting process again.

If you have any further questions please feel free to reach out to our support team at support@bevi.co or 1-866-704-2384

Related Questions

Q: Where can I get the replacement pump head?

A: Replacement pump heads, #720-0153 (old #300-0033) can be ordered via our online store at orders.bevi.co. The Pump Head will be shipped to the responsible parties for replacement of the faulty pump head.

Q: Are any additional units affected by this issue?

A: Only the identified units need to be repaired. The production tools and processes have been modified to prevent future occurrences of this issue.

Q. Can the machine be used until this repair is complete?

A: Testing and analysis performed by Bevi identified that the issue can reduce the expected life of this fitting to weeks. This repair must be performed as soon as possible in order to prevent leaks from the unit.