
[Guide]

Bevi Standup 2.0 Removal and Replacement Guide - Manifold 1



Part number 720-0058

Overview

This document shows how to identify and replace Manifold 1. Manifold 1 handles the incoming water from the source to the machine. Water flows in through the inlet solenoid, out to the filter, buffer tank, backflow preventer, and back to the manifold. From there, water is distributed to the demand pump, and to the ice bank. To view a video of this process please [Click Here](#) or navigate to this link <https://vimeo.com/759524612>

Note: This document assumes a tech has already read through the appropriate troubleshoot guide for the issue at hand. If the appropriate troubleshoot guide has not yet been reviewed, please begin there to ensure Manifold 1 is the source of the problem.

Components for Manifold 1

- 2 input fittings
 - 1/4" Input from source with check valve
 - 3/8" return input from filter, buffer tank, and backflow preventer
- 3 output fittings
 - 3/8" Output to filter
 - 3/8" Output to demand pump
 - 5/16" Output to ice bank
- 2 solenoid valves
 - Inlet solenoid
 - Ice bank fill solenoid
- Water pressure sensor

Questions Answered in this Document

[Q.How to remove manifold 1](#)

[Q: How to reinstall manifold 1](#)

Q How do I order this part?

This part can be ordered via our company store using part number Part number 720-0058

Frequently Asked Questions

Q: What is manifold 1 used for?

A: Manifold 1 distributes incoming water to various water supply sources within the Bevi Unit.

Q: What is connected to Manifold 1?

A: Water source, filter, backflow preventer, ice bank reservoir, and the demand pump.

Q: Where is Manifold 1 located?

A: Behind the external water source inlet.

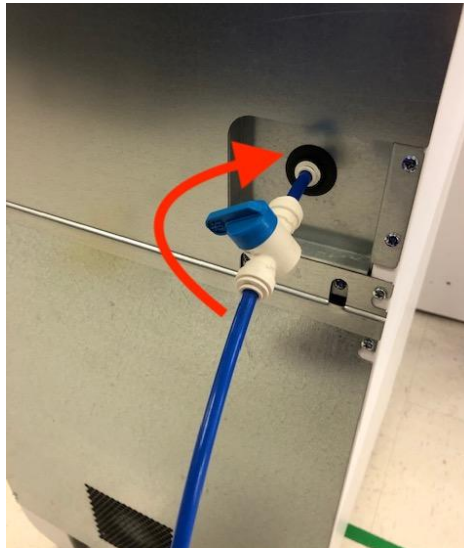
Required Tools & Materials

- #2 Phillips Screwdriver
- #3 Phillips Screwdriver
- Flush cut pliers

- *Zip ties*

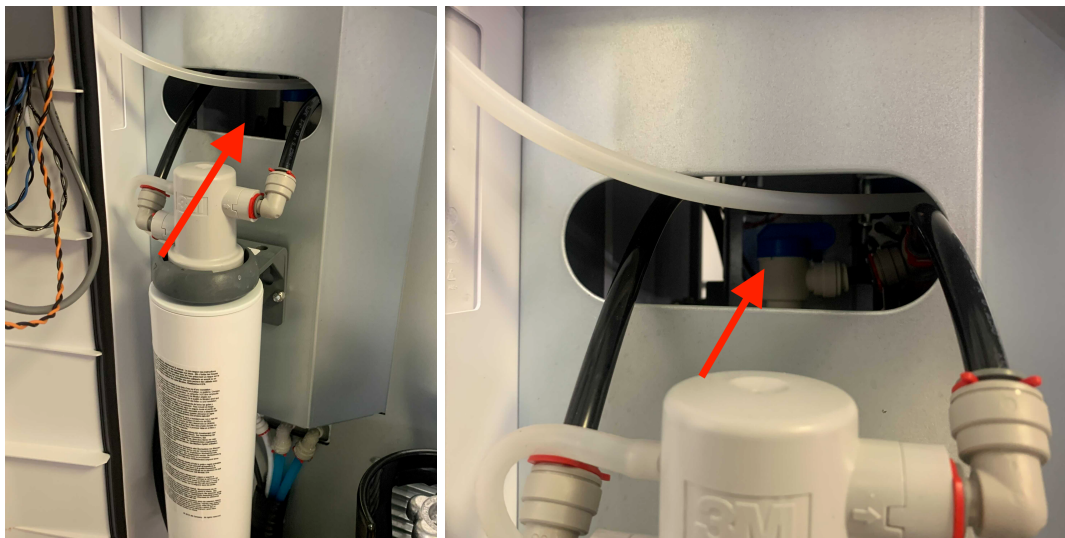
Task 1: Removing Manifold 1 Assembly

1. Turn off the water source by closing the valve on the Bevi supply line.

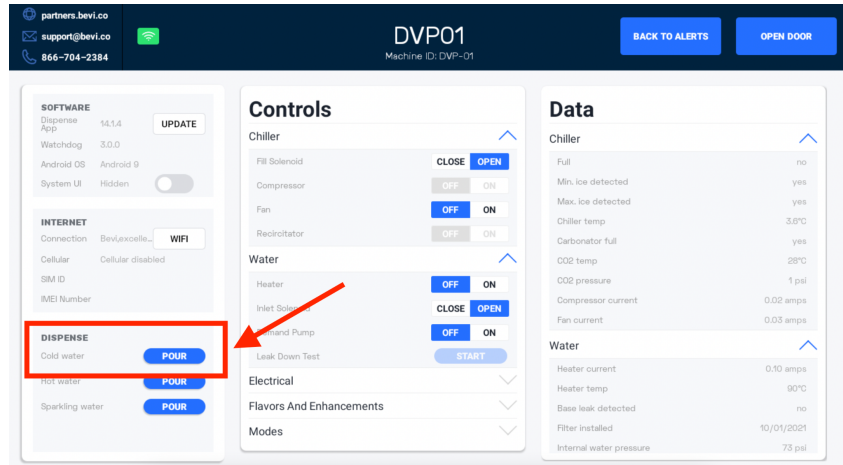


2. Turn off the buffer tank by closing the valve located through the access hole behind the filter head.

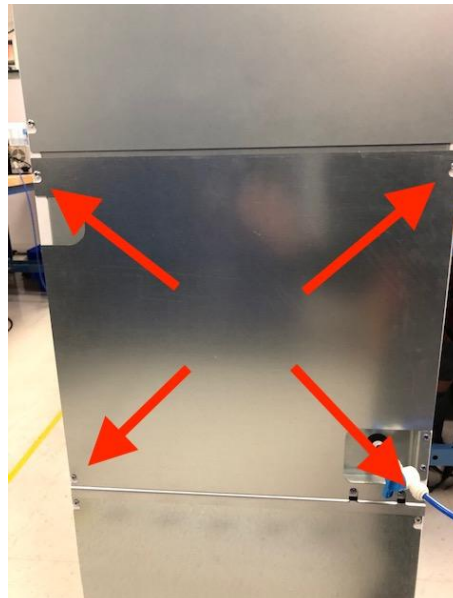
WARNING: Take care not to scrape/cut yourself on the metal edges. Always wear safety gloves.



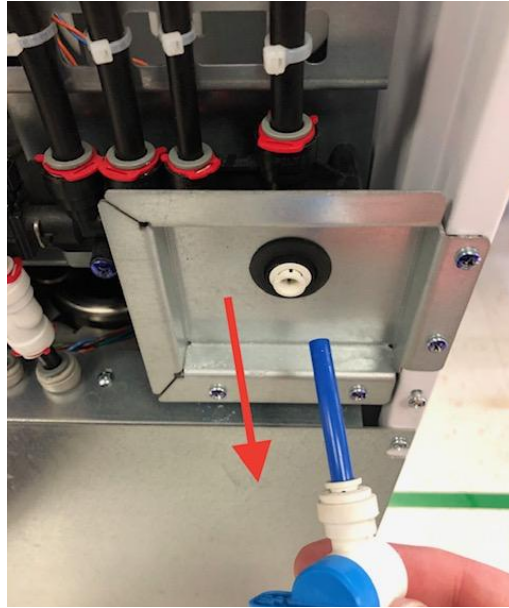
- a. From the Troubleshooting Tools menu, dispense cold water to release any excess pressure from the lines.



3. Remove the center portion of the Bevi back panel.
 - a. Loosen the 4 screws securing the panel (you do not need to fully remove them).
 - b. Remove the panel by lifting up and unhooking panel tabs from the mounting screws.



4. Disconnect the water supply line from the Bevi by releasing the push to connect fitting.



5. Remove the metal bracket holding the water inlet fitting by removing the 4 phillips head screws.
 - a. Manifold 1 is directly behind this bracket



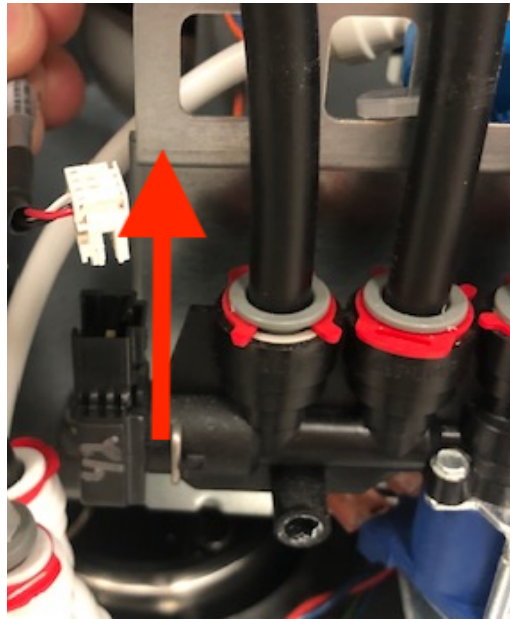
6. Depressurize and disconnect co2 supply tubing
 - a. Turn off CO2 tank and disconnect high pressure hose from tank



- b. From the troubleshooting tools menu, dispense sparkling water
 - i. This should depressurize your co2 supply line to chiller
 - c. Disconnect co2 line from co2 regulator



7. Disconnect the Water Pressure Sensor Connector.
 - a. Disconnect the wired connector, being careful not to pull directly on the wires.
 - b. Use the spring latch to disconnect.



8. Cut zip ties holding the tubing to the bracket.



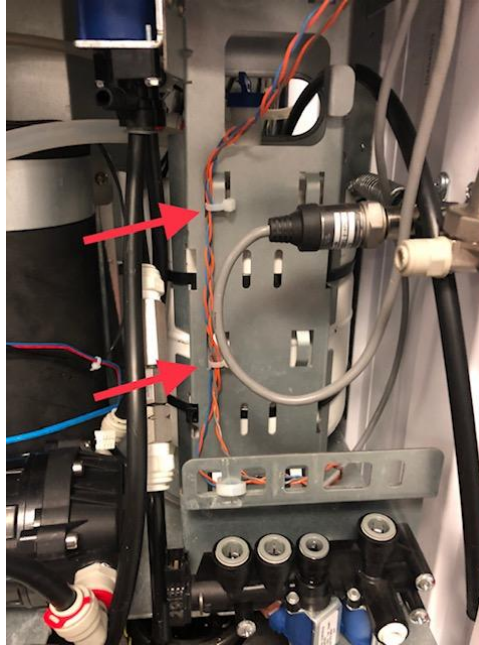
9. Disconnect all 4 tubes from the manifold.
 - a. Manifold connections are labeled.
 - b. Remove the red locking clips, and disconnect tubes

Note: Prior to disconnecting, it is a good idea to take a photo of how the tubing is routed for reference when reinstalling.

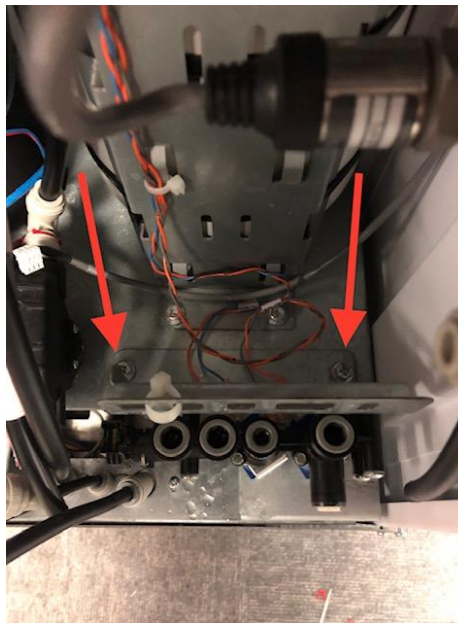


10. Clip the ziptie holding the manifold 1 wiring to the buffer tank bracket.

- a. Cutting these cable ties allows you more slack to access back side of Manifold 1



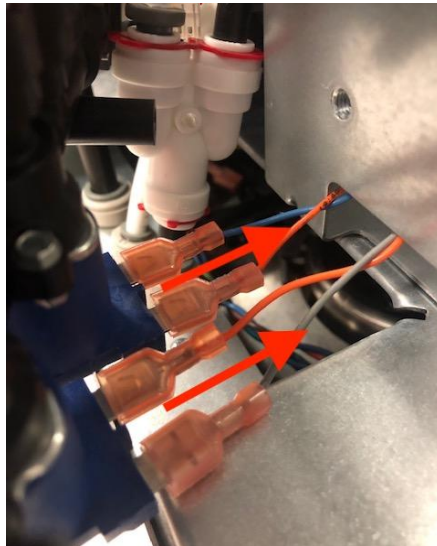
11. Remove two mounting screws for Manifold 1 w/ bracket
 - a. These screws are located on the back side, at the base of the mounting bracket



NOTE: These can be removed with a #3 phillips screwdriver, or a 3/8" socket w/ extension

12. Disconnect the Inlet Solenoid and Ice Bank Solenoid wiring,
 - a. The 2 pairs of wiring leads are labeled accordingly.

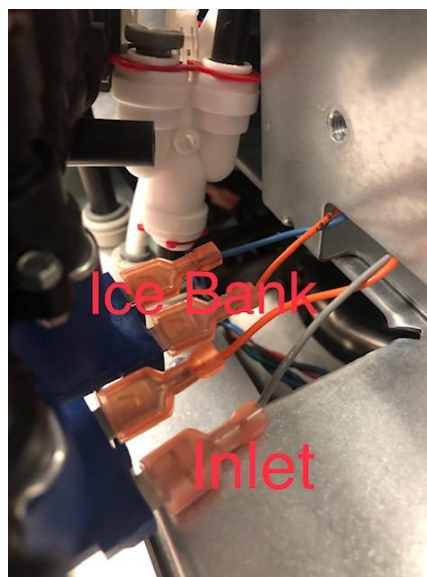
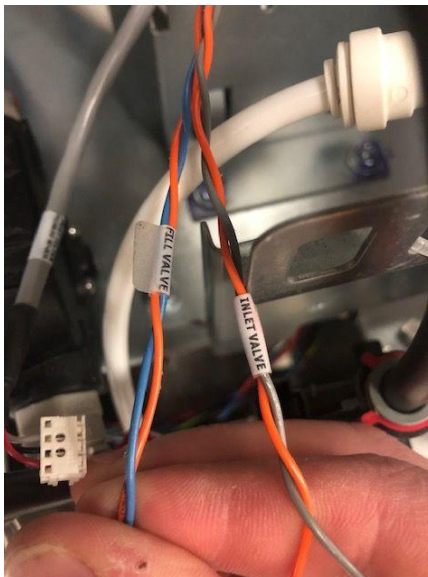
WARNING: Do not pull directly on wire so as to avoid pulling the wire out of the connector.



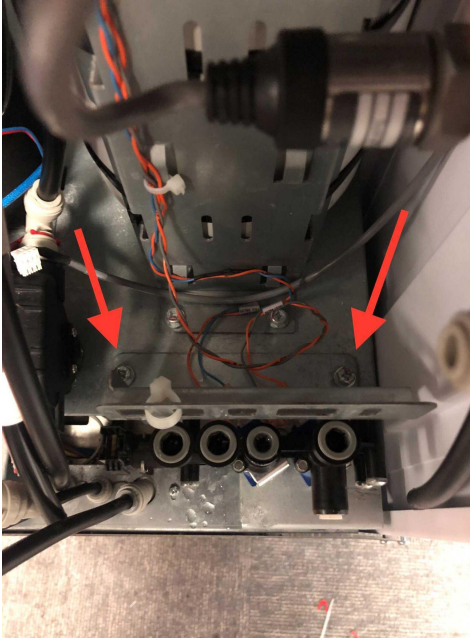
Task 2: Reinstalling Manifold 1 Assembly

13. Reconnect Inlet Solenoid and Ice Bank Fill solenoid wires.
 - a. These two pairs of wires are labeled accordingly.
 - b. Red/Grey for Inlet valve.
 - c. Red/Blue for Ice Bank Fill valve.

Note: There is no polarity to the solenoid wiring.

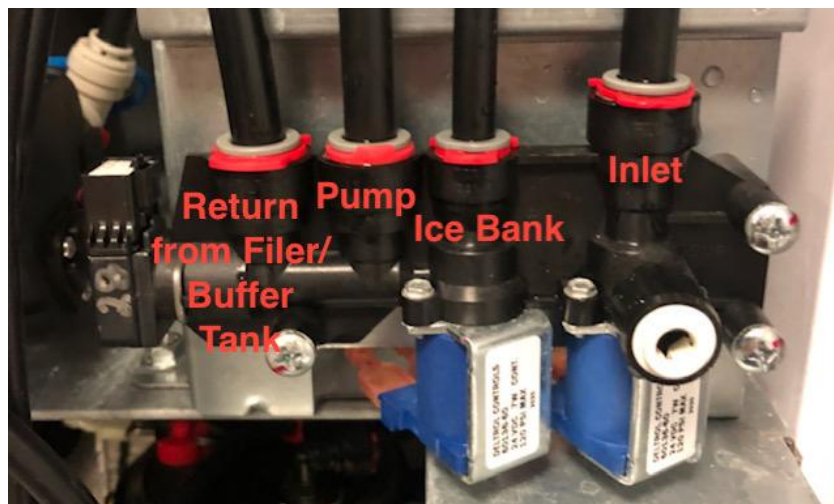


14. Reinstall manifold & bracket into machine

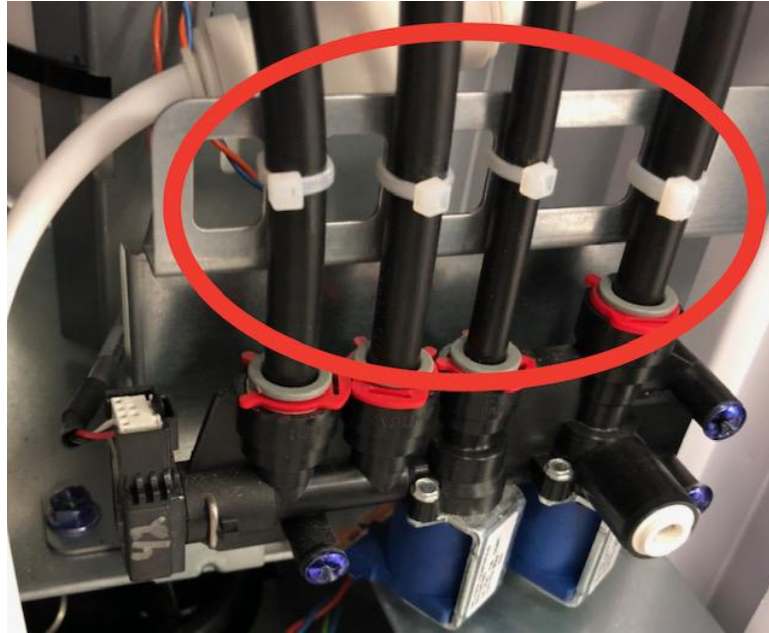


15. Connect water tubing to the new manifold.

- a. Ensure tubing is fully seated into push-to-connect fittings.
- b. Reinstall the red locking clips.



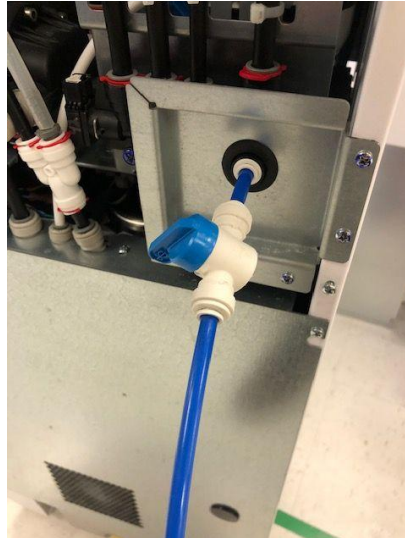
16. Secure all 4 tubes to the bracket with new zip ties.



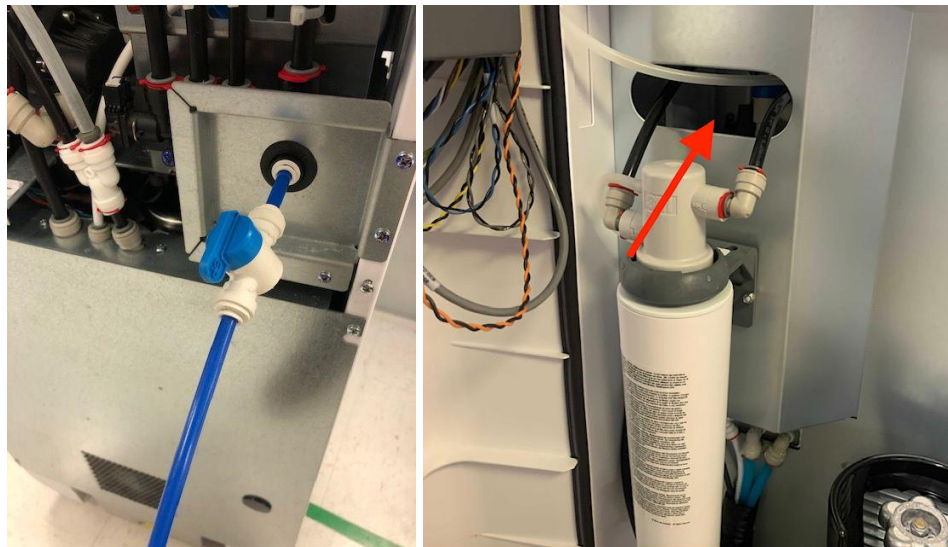
17. Reconnect water pressure sensor connector.
 - a. Ensure connector is fully inserted and clicks into place



18. Install inlet bracket and reconnect water source to inlet valve.

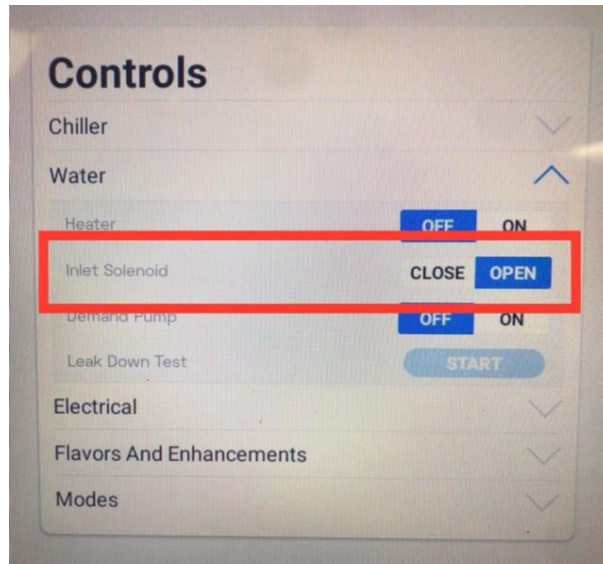


19. Turn on the water source and reopen the Buffer Tank Valve.



20. Check all connections and inspect for leaks.

- a. From the service panel, troubleshooting tools, controls menu, open the inlet solenoid and check internal water pressure.



- b. If there are any leaking fittings, check to ensure all tubes are fully inserted into push to connect fittings.
- c. All tubing should have factory marking indicating proper depth for insertion.

NOTE: If there are any leaks present, power the machine off prior to performing any further service.

21. Test functionality of the machine to ensure correct installation and operation.

22. If the machine is functioning properly, reinstall the back panel





Rev. 1.0
09/11/2021