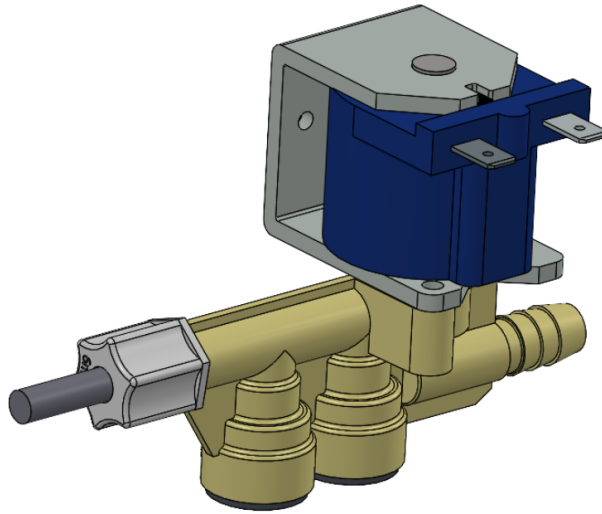
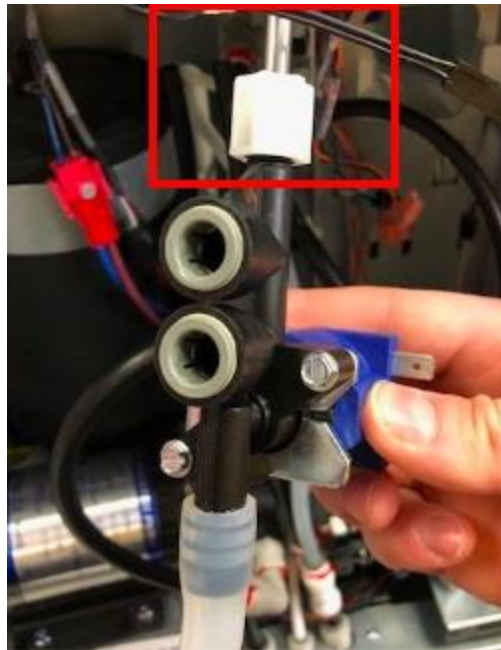


Manifold 2 Removal and Replacement Guide



Part Number: 720-0061



Note: For newer 2.0 models, the Manifold 2 may not have the sensor extension highlighted in red above.

Overview

This document will show you how to remove and replace Manifold 2. Part number 720-0061. Manifold two is responsible for taking the water from the demand pump and sending it to both the hot water heater and also the cold water to the chiller.

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 2

- (1) 3/8" push to connect input
- (1) 3/8" output
- (1) output barb
- (1) hot water dispense solenoid
- (1) water temperature sensor.

Questions Answered in this Document

[Q.How to remove manifold 2?](#)

[Q: How to reinstall manifold 2?](#)

Frequently Asked Questions

Q: What is Manifold 2 used for?

- A. Manifold 2 takes water from the demand pump and sends it to the heater, and the chiller input.*
- B. Manifold 2 also includes the water temperature sensor for incoming source water.*

Q. What is connected to Manifold 2

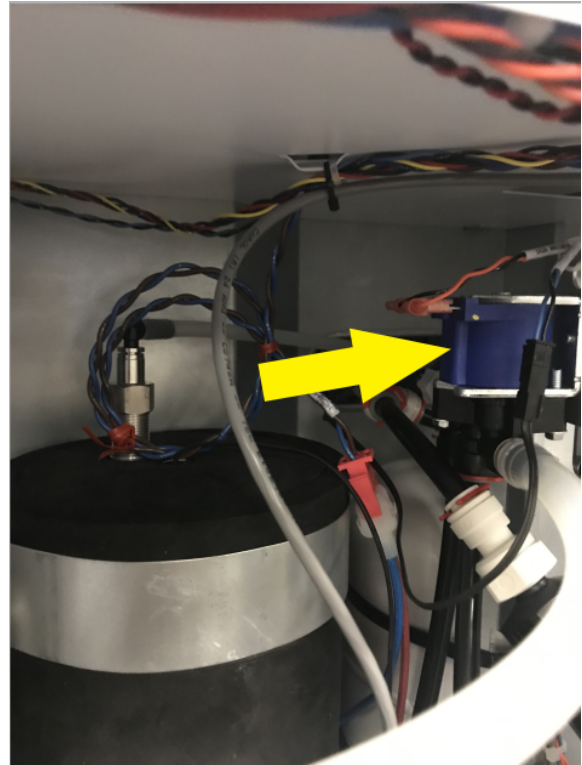
- A. Source water in from the demand pump and water out to the heater and chiller.*

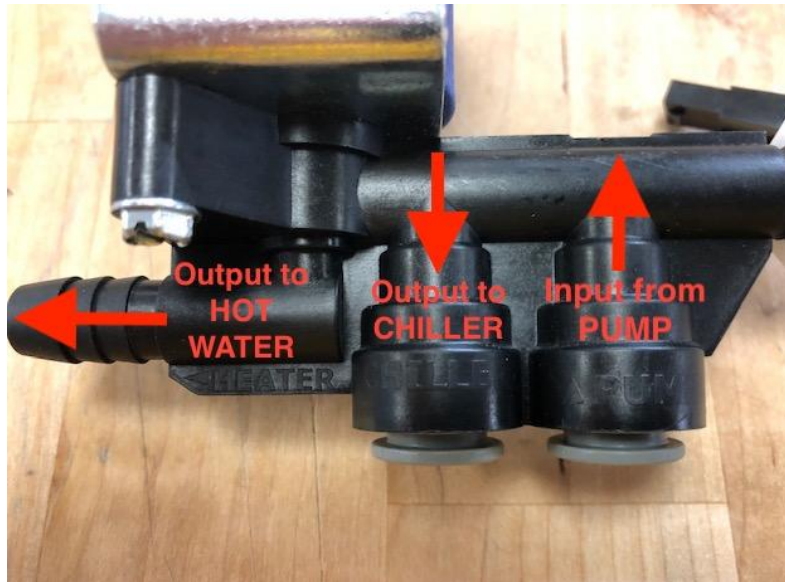
Q. Where is Manifold 2 located

- A. Manifold 2 is located to the right of the top of the hot water heater and is fastened to the bracket that holds the buffer tank.*

Required Tools & Materials

- #2 *Stubby Phillips Screwdriver*
- *Flush cut pliers*
- *Zip Ties*

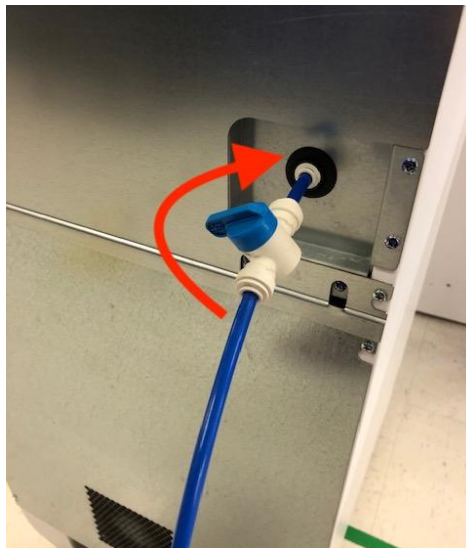




WARNING: Manifold 2 is located close to the Hot Water Heater. Please use caution when working around the Heater to avoid contacting any hot surfaces

Task 1: Removing Manifold 2 Assembly

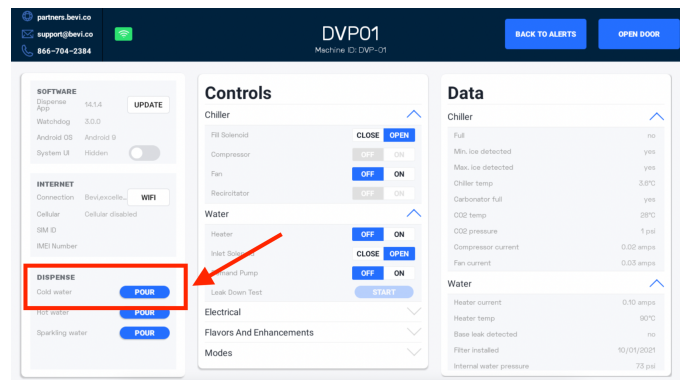
1. Turn off water source by shutting off the valve on the water supply line until it is perpendicular to the hose.



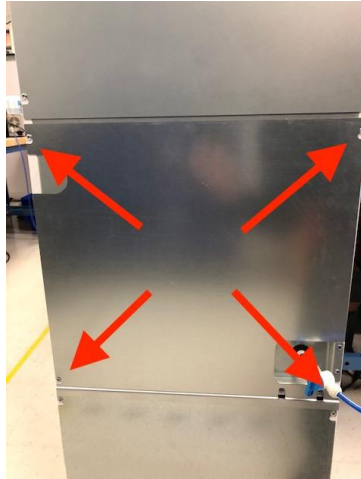
2. Open the door and turn off the buffer tank by shutting off the valve located through the access hole behind the filter.



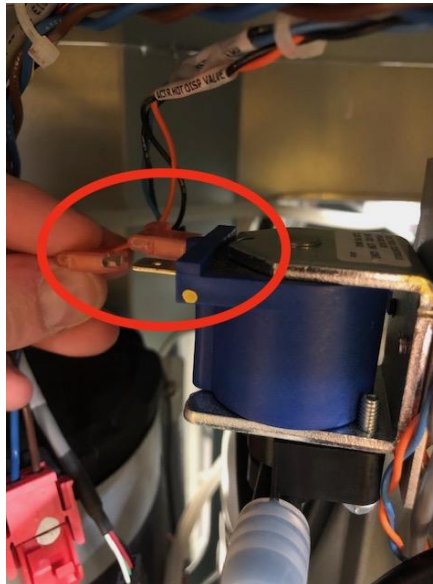
3. From the Troubleshooting Tools menu, dispense cold water to release any pressure from the lines.



4. Remove the center portion of the back panel from Bevi Standup 2.0.
 - 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 hardware.



5. Disconnect 2 wiring connections for the Hot Water Dispense Solenoid.



WARNING: When removing connectors, never pull directly on the wire. This can result in pulling the wire out of the connector.

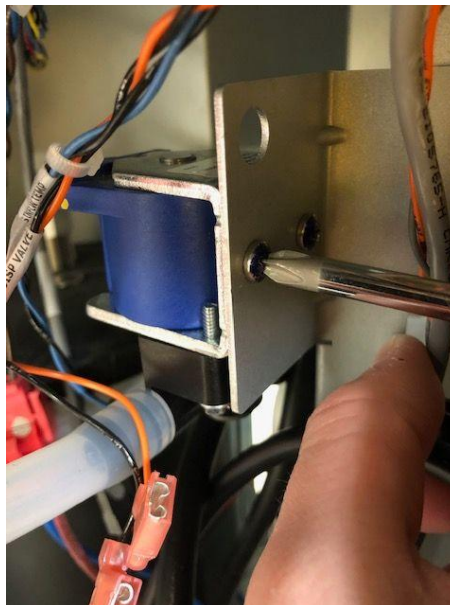
6. Disconnect the Water Temperature Sensor. For newer 2.0 models, the Manifold 2 may not have the sensor highlighted in red. If the sensor is not present, please skip step #6.
 - a. The Water Temperature Sensor has Blue/Black wires.
 - b. Squeeze the lock latch to disconnect properly.



7. Remove Manifold 2 (held by 2 Phillips screws) from the bracket.

NOTE: Removing the Manifold prior to disconnecting tubing allows for easier access to push to connect fittings.

WARNING: Take care not to bend or kink any tubing.



8. Disconnect $\frac{3}{8}$ " input from demand pump and $\frac{3}{8}$ " output to carbonator from Manifold 2.
 - a. Remove the red safety clips.
 - b. Disconnect tubing.



9. Remove hot water supply tubing from Manifold 2.
 - a. Cut zip tie securing tubing to barbed fitting.
 - b. Carefully remove tubing from Manifold 2 by gently pulling while twisting back and forth.

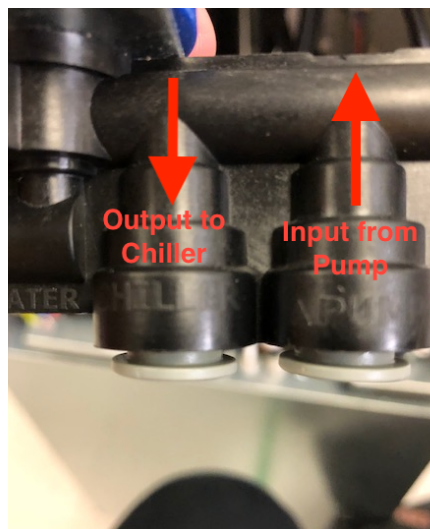
WARNING: When removing tubing do not hold the manifold by the solenoid valve.

10. Secure Hot water tube in an upright position
 - a. Once the tubing is disconnected it may drain out if left hanging in a downward orientation
 - i. See image below for a convenient spot to hold the tubing



Task 2: Installing a New Manifold 2 Assembly

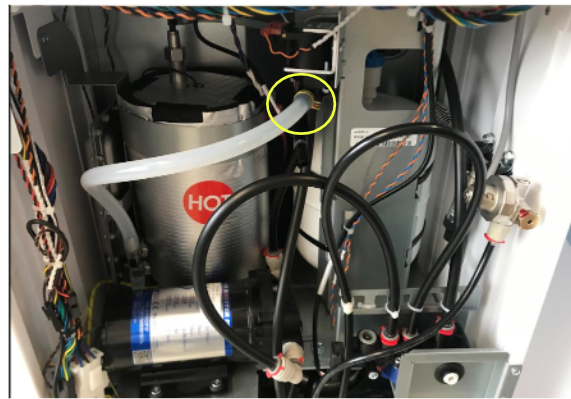
11. Reconnect 3/8" tubing from pump, and 3/8" tubing to chiller into new manifold.
 - a. Ensure tubing is fully seated into push-to-connect fittings by noting the factory markings on the tube.
 - b. Reinstall red safety clips



12. Mount the new manifold 2 onto the bracket.
 - a. Locate rear mounting screw in bracket, then start threading into manifold 2.
 - i. Leave loose until both screws are started.
 - b. Tighten both screws till Manifold 2 is secure.



13. Reconnect hot water tube.
 - a. Secure tube to barbed fitting with clamp.



WARNING: When installing hot water tubing, do not apply excess force to the solenoid valve.

14. Note: For older 2.0 models, the Manifold 2 may have the sensor extension highlighted in red below. If so, make sure to reconnect Water Temperature Sensor Connector.
- Ensure that connector clicks into place securely.

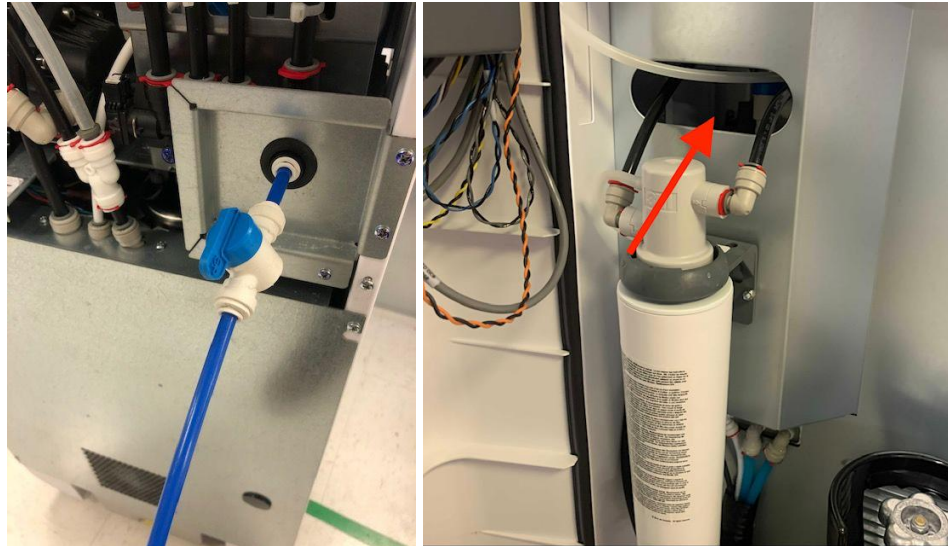


15. Reconnect manifold 2 wiring connections.

NOTE: Solenoid wiring connections do not have any polarity, they can be connected either way.

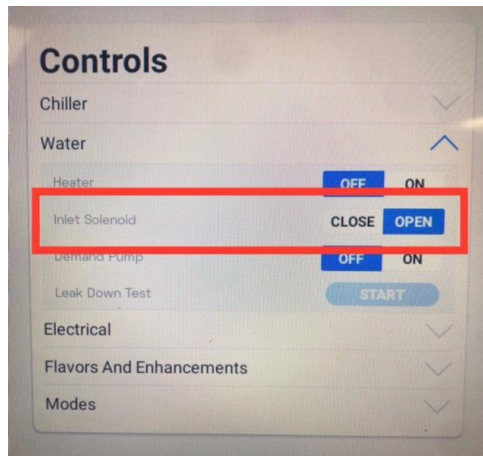


16. Turn on source water and reopen the buffer tank.



17. Check all connections and inspect for leaks.

- a. From the service panel go to Machine Alerts > Troubleshooting tools
- b. Under the “Controls” menu, open the Inlet Solenoid
 - i. Water will now be flowing through the inlet into the machine



- c. If there are any leaking fittings, check to ensure all tubes are fully inserted into push to connect fittings.
- d. All tubing should have factory marking indicating that it is fully seated

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

18. Test function of the machine to ensure correct installation and operation.
 - a. Dispense cold, sparkling, and hot water
 - i. If COLD water does not dispense, recheck that all water source valves are turned on.
 - ii. If HOT water does not dispense, recheck the solenoid wiring connections for Manifold 2.
19. If the machine is functioning properly, reinstall the back panel.



For additional help, please do not hesitate to contact Bevi tech support at support@bevi.co or 1-866-704-2384.