

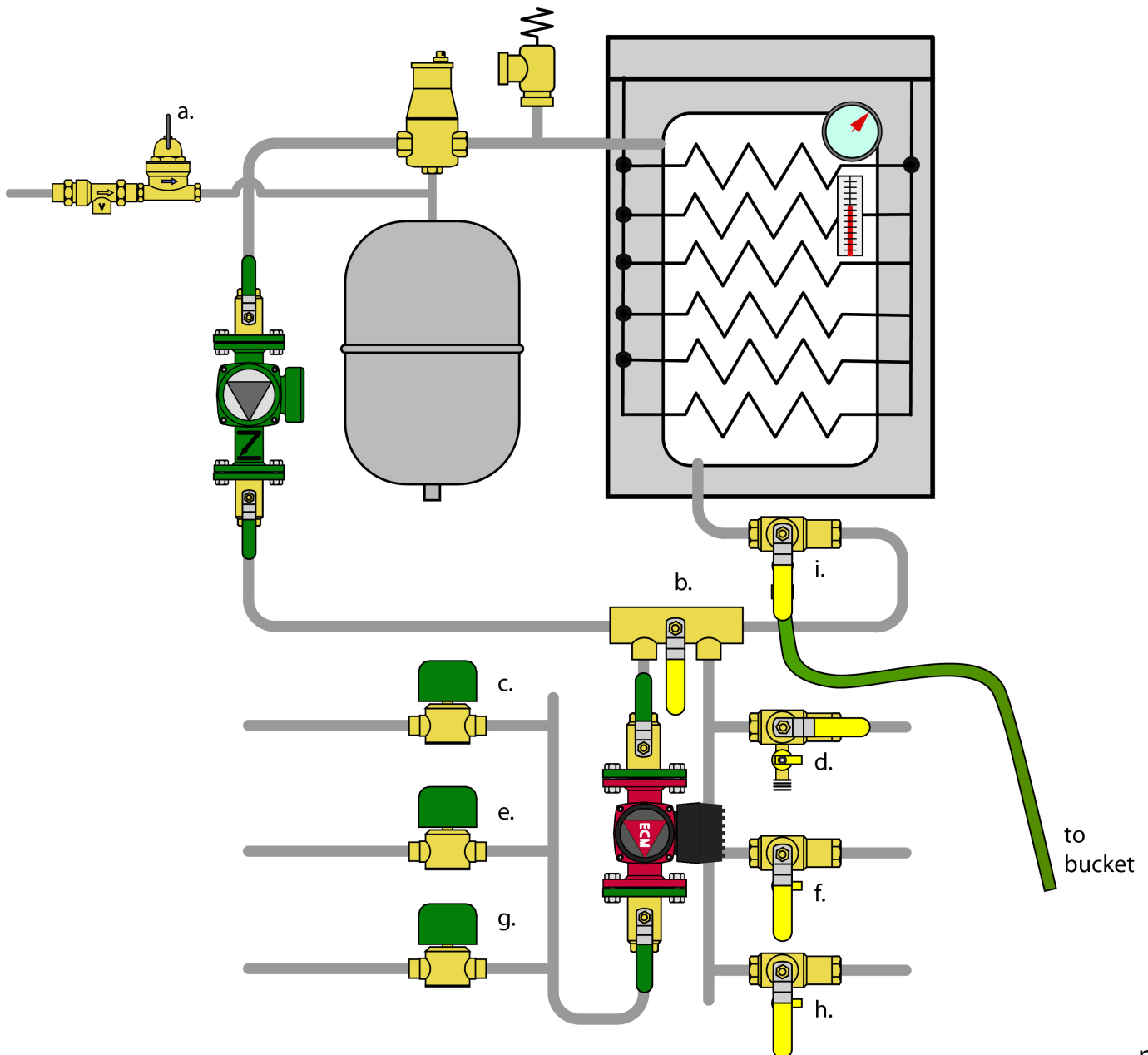
RHT Prefabricated Thermolec Boiler Zone Valve Panel

Air Purging Instructions



Step 1

- i. First attach a garden hose to drain, open the diverter valve and drain valve to allow flow out through hose to a bucket placed outdoors.
- a. Next, lift the lever on pressure reducing valve to allow street pressure water into the system.
- b. Close the Purge Tee valve to divert water from the primary loop into the secondary loops.
- c. & d. Make sure all valves for the first zone are open to allow flow through this zone.
- e. & g. Manually close each Zone Valve to cut off the water supply to these zones.
- f. & h. Close ball valves on the return leg of these zones.



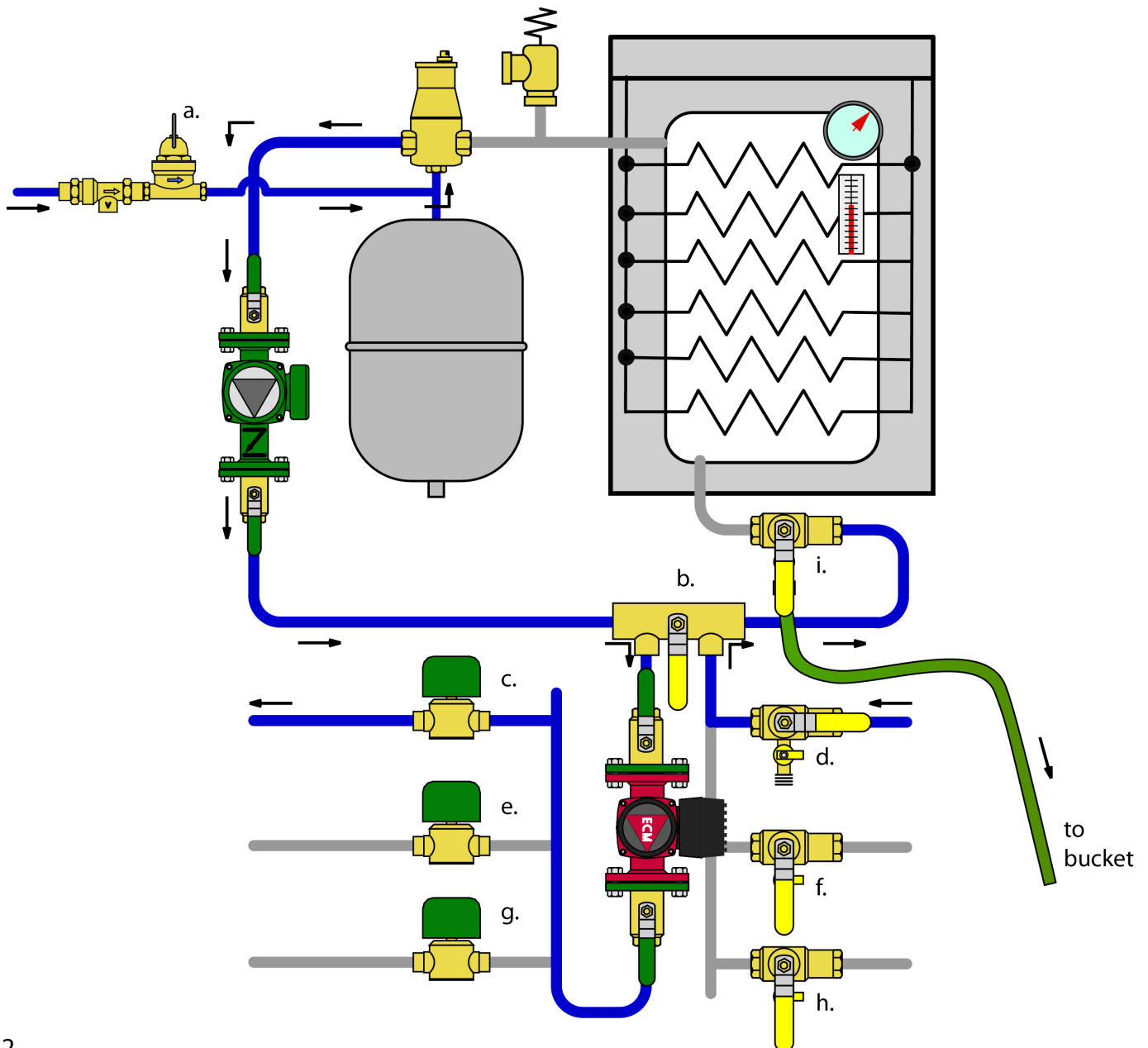
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Air Purging Instructions



Step 2

Allow water at street pressure to flow through the first zone and out to your bucket until the bucket is overflowing. Once the bucket is filled you will be able to see air bubbles as they are burped out of the system. Allow at least one full minute to pass after the last air bubbles are expelled to be certain that no more air is trapped in this portion of the system.



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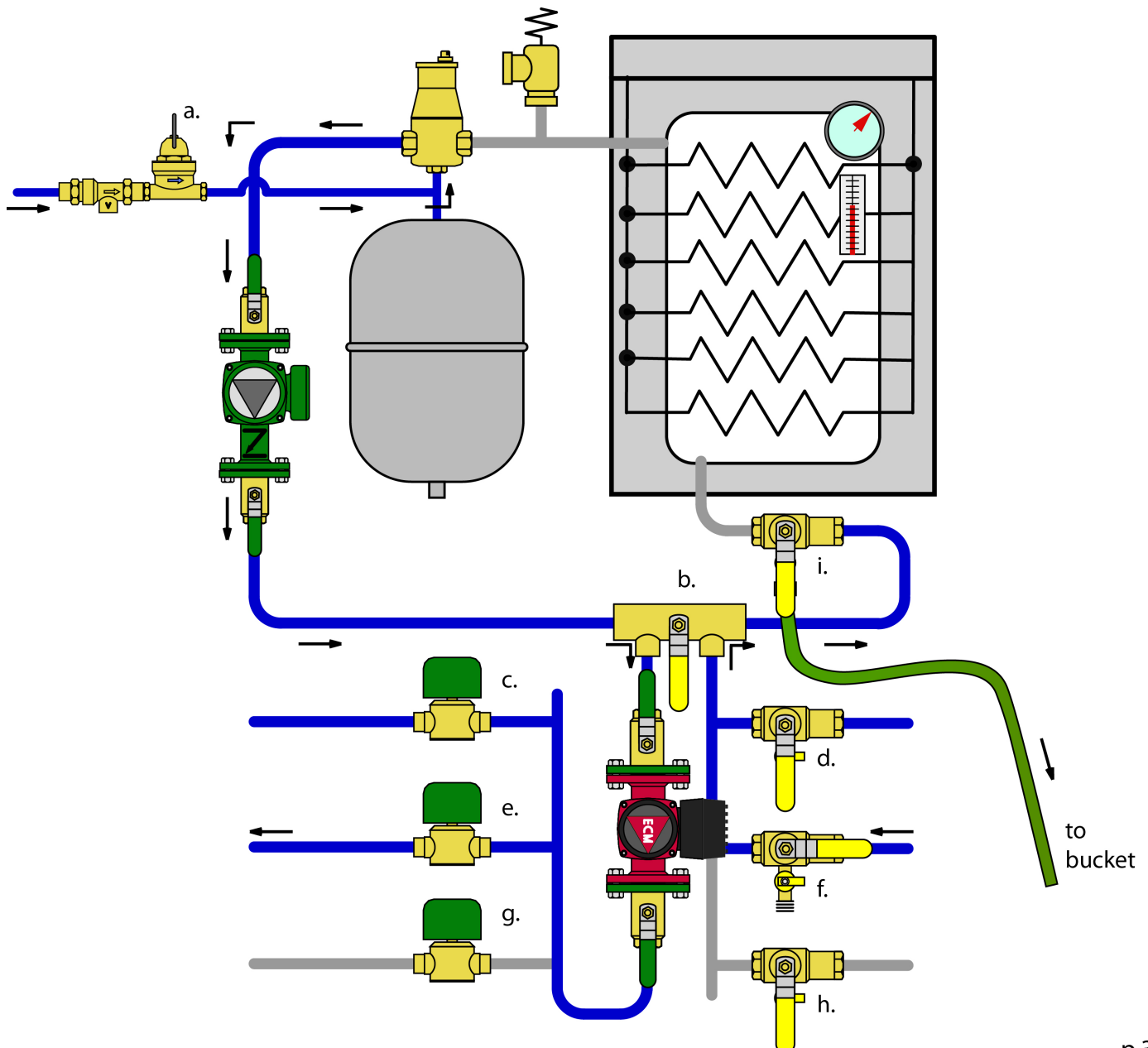


Step 3

Close the zone valve on the supply side at position c. and the ball valve on the return side at position d. to isolate the first zone now that it has been sufficiently purged.

Open the zone valve on the supply side at position e. and the ball valve on the return side at position f. to allow street pressure to flow through the second zone. Follow the same procedures described in Step 2 to purge the air from the second zone.

NOTE: Once the valves at positions c. & d. are closed, the valves at positions e. & f. should be opened quickly as leaving them closed could allow pressure to build in excess of 30 psi, thereby allowing the pressure relief valve to open. If the pressure relief valve is properly plumbed to a drain this should not be an issue, but be aware of this before you change the positions of the valves.



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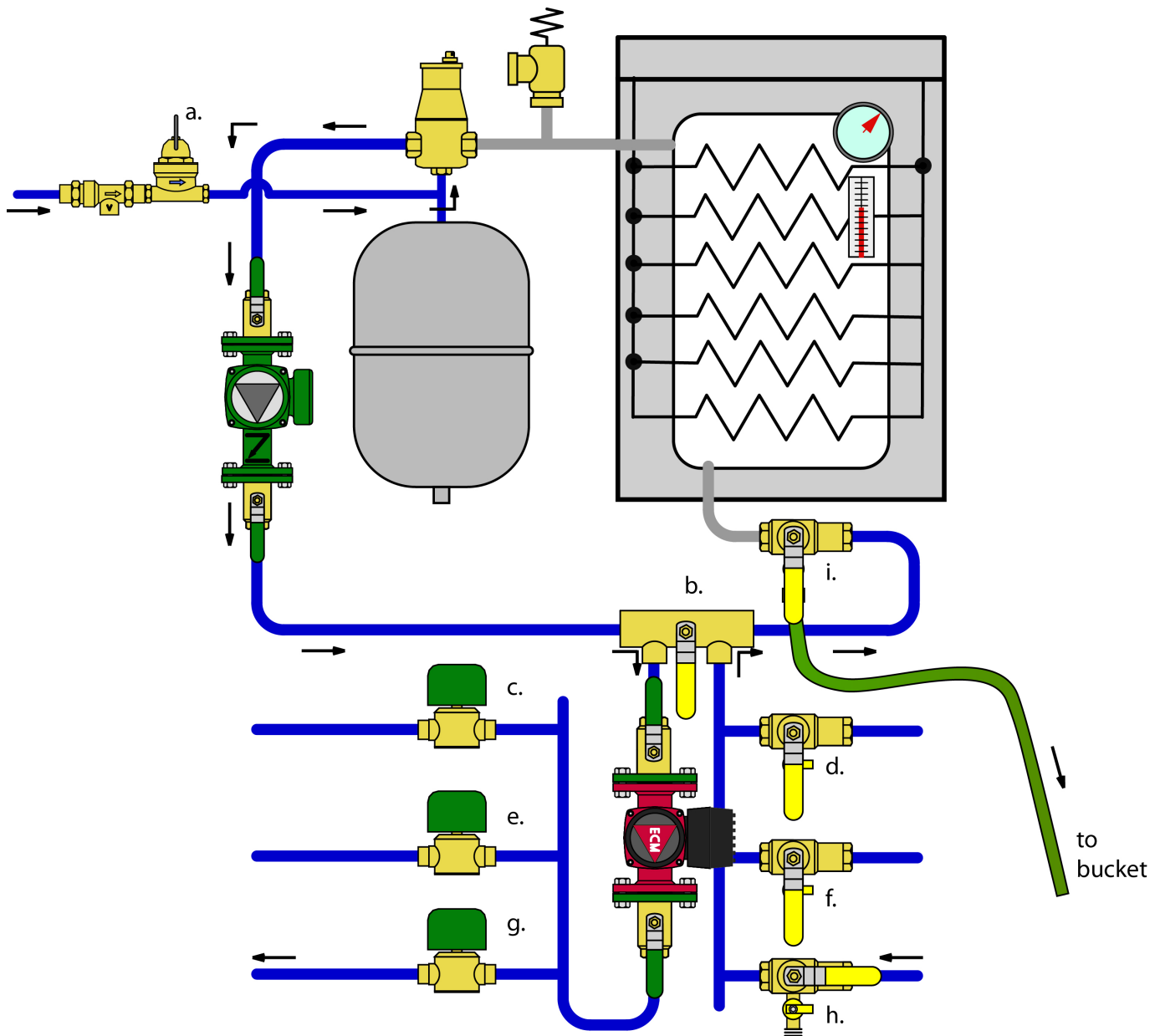


Step 4

Close the zone valve on the supply side at position e. and the ball valve on the return side at position f. to isolate the second zone now that it has been sufficiently purged.

Open the zone valve on the supply side at position g. and the ball valve on the return side at position h. to allow street pressure to flow through the third zone. Follow the same procedures described in Step 2 to purge the air from the third zone.

NOTE: Once the valves at positions e. & f. are closed, the valves at positions g. & h. should be opened quickly as leaving them closed could allow pressure to build in excess of 30 psi, thereby allowing the pressure relief valve to open. If the pressure relief valve is properly plumbed to a drain this should not be an issue, but be aware of this before you change the positions of the valves.



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Air Purging Instructions



Step 5

- a. Return the lever on the pressure reducing valve to its normal operating position (lowered) to reduce the pressure back down to 15 psi. Once the system is completely purged of air it may be necessary to drain some water off through one of the draining valves if the system pressure is greater than 15 psi.
- b. Return the Purge Tee to its open position to allow flow through the primary loop.
- c-h. Make sure all zone valves and return side ball valves are in the open position.
- i. Return the diverter valve to its normal operating position (as shown), close the drain valve, and disconnect the garden hose.

You are now ready to complete electrical connections and fire up your system.

