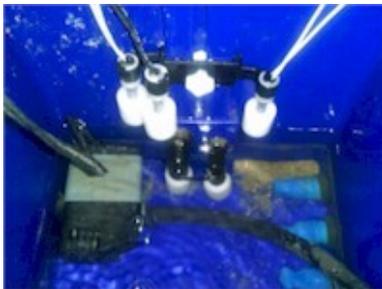




# Multi Flow Controller Operation Advisory

If your Multi Flow Controller drain pump is turning on and off continuously long after the water has been drained out of the pots, or the timer box is buzzing, the system is not operating correctly. This can lead to damage of the electrical components and eventual failure of the drain circuit causing the system not to drain.

If you're hearing a buzzing sound from the timer box, make sure the drain pump is at least three inches away from the bottom level switches. When the pump is running it generates a magnetic field that can disrupt the operation of the level switch causing the drain pump relay to cycle on and off very fast sounding like a loud buzz. This can damage the drain circuit quickly. Secure the pump in the corner, use the short tube included and connect it to the elbow in the drain hole at the top so the pump does not freely move inside the controller.



*Incorrect*

A pump on a long tube close to a level switch. The pump is creating a magnetic field that triggers the switch.



*Correct*

Multi Flow pump connected to a short tube and elbow. The tube is short enough to keep the pump from moving.

If the drain pump is turning on and off every few seconds, this could be an indication that the water is siphoning into the controller from the reservoir after the drain pump turns off. This is usually caused by a missing fill/drain tube mount, a tube mount that's not mounted correctly causing the siphon break to fail, or a siphon break hole that's obstructed. The fill/drain tube mount must be mounted with a screw to keep it from becoming submerged when the reservoir is full.



*Incorrect*

A fill/drain tube mount not secured could become submerged causing water to siphon into the controller.

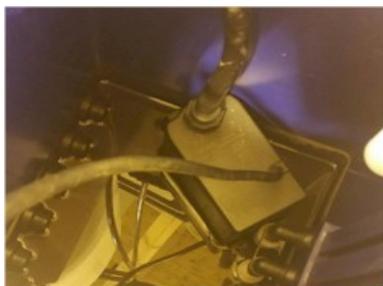


*Correct*

Fill/drain tube mount secured with a screw above the water level.

## Operation Advisory Continued

If the drain pump is turning on and off every ½ second or so, this could indicate a problem with one of the two lower level switches. If one is operating and the other is stuck, the drain pump turns on just long enough to lower the water level then turns off. The water then rushes back out of the tube and raises the water level, starting the cycle over again. Look for anything that comes in contact with the lower level switches or any debris in the water that could get caught between the float and the float stem.



*Incorrect*

Drain pump connected to long tube is contacting a level switch causing it to fail.



*Correct*

Drain pump on a short tube connected to the inlet elbow will not interfere with the switch operation.

If the system has been modified to operate as a top feed drip that causes the drain pump to operate many more times than it was designed for, this will reduce the life of the electrical components. Also, if the drain pump has been changed to a larger pump that requires more current, this will also reduce the life of the electrical components. Modifications of this type would void the warranty.