Improving High flow shut down

How does Hydrawise count flow?

When a zone is activated, we start to count the flow immediately. The system does not wait for the lateral line (pipe to sprinklers) to fill since this is included in the zone flow rate.

How long it takes before we get a pulse depends on the system setup?

A few examples listed below:

Our **US** standard 1" flow meters measures 1 pulse every 1 gallon. The length of time we get a pulse is determined by the flow rate in the system.

With a 4 gallon per minute flow, it will take 15 seconds before we get a flow.

8 gallon = 7.5 seconds.

60 gallon = 1 per second.

Our **METRIC** flow meters measure 1 pulse every 1 liter. The length of time we get a pulse is determined by the flow rate in the system.

With a 4 liter per minute flow, it will take 15 seconds before we get a flow.

8 litres = 7.5 seconds.

60 litres = 1 per second.

Hydrawise does not do anything with the flow until the zone is finished. The total run time is sent to the cloud and the flow during that run time is apportioned to that zone. At that point, we compare it to the last time the zone ran, and then if we have a variation we check to see if that is enough to trigger an alert.

What about if I want to shut down on high flow?

Yes, we can shut down on high flow, however, as described above we do not recognize flow until the zone has finished it's cycling. See the article here [1].

How can I improve my high flow shut down?

You can use a two-step method with standard mode.

The following program will allow for a shut down after 3 minutes of operation if we have a high flow.

It will trigger an alert and prevent the system from running again during the suspended time period.

Steps

1. Set up a program named **ZONE FLOW TEST.** Learn More [2]
   - This must have the 1st start time of the day.
   - Add the ZONES to the program.
   - Give them a run time of say 3 minutes each.
   - Make sure you have the alert configured.
   - Set a suspend for at least 1 day. Learn More [1].
2. Set up the normal programs for your irrigation. These programs must run after the "zone flow test" program. When setting the run time, remember that they have already run for 3 minutes.