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Advantages of the BIC-1000 Station

The following are just a few reasons why The BIC-1000 is beneficial:

- The water pressure is set much lower, because the BIC-1000 uses an automatic control valve, not a direct acting regulator, so a substantial amount of water is saved. There is a misconception that systems have to be set at 75+PSI in order to operate properly, but that is not true. Most of our current stations are set at 50PSI or less and thus far there have been no watering issues.
- All components of safety are brought above ground on one pre-assembled station. Most irrigation designs put the components below ground where they are susceptible to dirt and debris, which can lead to constant maintenance. Having the components above ground allows diagnostics on the parts to be extremely easy, accessible, and accurate.
- Due to the components being above ground it reduces the amount of maintenance time and life expectancy of the components, because no digging is involved. Maintenance crews spend hours trying to locate and dig up components, which as mentioned above are normally full of dirt and debris and need to be replaced. When the components are buried underground they also have a tendency to damage the electrical connection because the wiring has moisture buildup from rain and irrigation run-off.
- All of the components are located in one location on one-preassembled location; not scattered in various locations and in numerous boxes.
- Line breaks are almost completely eliminated. The BIC-1000 is proactive to line breaks by not allowing them to occur. Numerous other irrigation systems are reactive to line breaks and they will only shut-down the system after the break has already occurred, which still incurs the cost of maintenance to repair the break and the cost from the amount of water lost during the break.
- The BIC-1000 is a 24 hour monitoring system, which allows the system to go to “sleep mode” when not in use. Therefore, when the station has completed its daily watering cycle it will shut-down the system to 25PSI (2GPM). So, if a line break or damage should occur while the station is in “sleep mode” the customer will lose drops instead of gallons of water. However, the system will never shut-down to 0PSI, because we don’t want to hammer the line each time it is turned back on.
- When the BIC-1000 is in its “sleep mode” the backflow is shutoff by the master valve, then turned on by the pre-load with only 1GPM, allowing for minimal to zero damage or water loss if an issue should occur. For example, if the backflow should become victim to vandalism or freeze damage gallons of water will not be wasted, because only 1GPM is now going through the device. We all know that kids like to tamper with test cocks and when broken it can allow for gallons of water wasted until noticed by the maintenance personnel. However, with the BIC-1000 only allowing 1GPM through the backflow during the “sleep mode”, this will no longer be the case.
- The BIC-1000 gives customers the opportunity to water more than one station at a time, because as stated we use an automatic control valve. Most direct acting regulators can only water one station at a time due to the volume needed; however the automatic control valves can handle higher volume, therefore allowing more stations to water at one time and the watering cycle to be cut in half.
- Due to the 24 hour monitoring system of the station, it will control any inlet high pressure migrating to a lower operating pressure. If the system wakes up from the “sleep mode” and reads that the inlet pressure is much higher than what it was set for it will notify the system to shut-down, so the maintenance crew can verify if there is a break somewhere on the system. So, if the maintenance crew arrives and notices that the lawn has not watered in a day or two they will know that there is an issue, but they won’t have to be concerned about water being wasted, because the system is completely shut-down until the issue is resolved and fixed.
- All of the main components come from one manufacturer, so it makes trouble shooting issues much easier.