



Injection & Control Station



The development of the G2 with IntelliDose Control is a result of 10 years of application knowledge and feedback from superintendents looking for greater control, expanded features along with ease of use and maintenance.

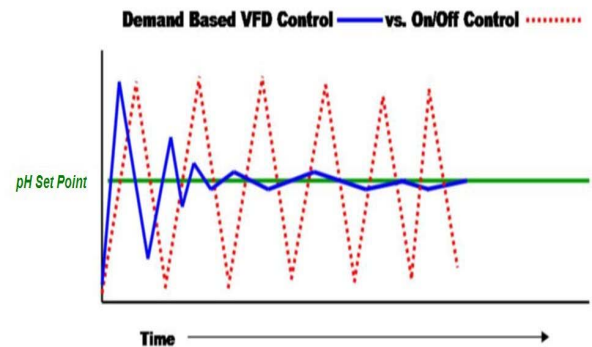
As we learned more about the control of pH and alkalinity in turf irrigation water, we recognized the need to incorporate features that will allow superintendents to:

- Choose multiple pH set points for different areas of the golf course
- Integrate the pH control into the irrigation system automatically
- Activate the unit from a remote location to deliver lowered pH water to specific locations.
- Tighten the control of the pHairway® Program

In addition, other considerations we have been asked to address are:

- Chemical tank level monitoring
- Remote notification of alarm condition
- Data collection options
- Wireless control
- A foundation memory capable of adding expanding capabilities
- Economical options for Fertigation Control

The G2 Series controller is built on the concept of true modularity. A growing interest in Fertigation and Chemigation has lead us to combine control capabilities for both pH and Fertigation. This allows the superintendent to add Fertigation to his overall fertility program at an economical cost.



ENHANCED EASY EXPANDABLE

- Eliminated “dumb” single loop control technology and built a platform around high powered multi-tasking Programmable Logic Control. This unit can handle a high number of inputs and outputs and has enough power to run an entire pumping station. This “brain” can be customized and expanded based on the individual needs. For example, we can do data collection, remote call-outs during alarm conditions, generate usage reports, etc.
- IntelliDose control scheme incorporates demand based *Distance from Set Point* control designed specifically for turf water applications. This systems utilizes VFD control for greater, pin point control and AC motors and drives for longer, more reliable life.
- Customizable programs to permit the selection of variable pH set-points for different area of golf course (Greens, Tees, Fairways etc).
- Remote interfacing capability, allowing pH set point selection from irrigation central computer, hand held radios or PDA devices.
- Color matrix Touch Screen platform, eliminating switches and out dated control boxes. Programming is simple and operator friendly.
- Flash upgradeable embedded software so future control or customizing upgrades can be done on-site.
- Expanded alarm menu provides a more detailed communication of alarm conditions.
- Flow Based VFD control technology for Fertigation/Chemigation. Fully integrated system operation allows for three pumping systems and up to 6 different chemicals. This control capability is built into the Water Treatment side.

PRODUCT OVERVIEW



G2 Chemical Injection Station pH Control Options



**Multiple
Selectable
pH Set Points**

Superintendents can now select various pH control points for irrigation water delivered to different areas on the golf course.

Set Point selection can be made directly at our touch screen interface. Multiple pre-selected control points and an overall treatment scheme can be built into the irrigation program via the irrigation central computer system.

Activation is also possible via handheld radio or PDA to deliver treated water at a pre-selected pH to any area on your site.

The pH control profile can now be fully integrated into the irrigation program.

