HANNA Instruments® Acid Injection/ pH Control Systems

True pH and Alkalinity control solutions for variable flow greenhouse irrigation

HANNA Instruments, the world’s leader in pH technology has worked with leading greenhouses to develop advanced system solutions for covered crops of any type. Each system can precisely control pH and alkalinity from 3GPM up to 200GPM. Incorporating combined pH and flow control technology, the HANNA solution offers features and functionality found nowhere else in the industry.

Each system can be installed in-tank or directly in-line and is custom configured and programmed to meet the pH and alkalinity requirements of any greenhouse; any crop!

HANNA’s Injection systems can be found in a number of notable greenhouses: Orie Van Wingerden Greenhouses NJ, Van Wingerden Greenhouses NJ, Riverside Greenhouse NJ, Oak Hill Greenhouse MA. Additional installations include such greenhouse leaders as Van Wingerden Greenhouses WA and Kurtz Farms CT.

Advanced features of HANNA’s HI 8000 Series Controllers:

- Free installation and start up
- Combined pH and flow control technology
- Multiple measuring point monitoring and control from the point of injection to the point of delivery — all from one central controller
- Precise fertilizer control with multiple point EC monitoring
- Automatic time or volume control from 8 to 32 zones (solenoid valves)
- 10 easy to use programs for a variety of crops and irrigation timetables
- Programmable starts for “hand watering” or time scheduled activation
- Multiple alarm settings to provide maximum safety and reliability
- PC interface capability for remote monitoring and control
- Fully upgradeable to a 4 fertilizer injection control system
- 3 year warranty on the HI 8000 Controller and free unlimited technical support
HI 8000 Series: The heart of HANNA’s acid injection/pH control systems

- Direct Injection Sprayer Nozzle
- Quick Release Connections
- Injection Valves
- Bleeder Valves
- Fertilizer and acid injection indicators (LEDs)
- Main pump and alarm indicators (LEDs)
- Multiple zone valve indicators (LEDs)
- Waterproof NEMA 4X casing
- Multiple connection ports
- Up to 62 selectable “screens” for readouts and programming
- Touch keypad
- Quick reference guide
- BL Pumps
**Specifications**

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**Ordering information**

### Family

- **0**: Fertigation controller with priority for pH and EC control
- **1**: Fertigation controller with flow control (irrigation counter)
- **2**: Fertigation controller with flow control, pH dosage and EC monitor
- **4**: Fertigation controller with water mixing system (circulation pump)

### Version

- **1**: panel mounted
- **2**: wall mounted (not for “4” family)

### Number of sectors

- **01**: 8 sectors
- **02**: 16 sectors
- **03**: 24 sectors
- **04**: 32 sectors (where available)

### Firmware language

- **00**: English
- **01**: Spanish
- **02**: Italian
- **03**: Portuguese
- **04**: Dutch
- **05**: French
- **06**: Greek
- **07**: Arabic

### Power Supply

- **U**: 115 Vac
- **D**: 230 Vac

### Required Accessories

- **HI 98143-22**: pH/EC isolated transmitter, non-sourcing current type with 4-20 mA output (2 required)

### Other Accessories

- **HI 60542**: 2” NPT in-line PVC and ORP electrode holder ideal for installation directly in pipes. The HI 60542 has been designed specifically to be used with HANNA’s ¾” process pH and ORP electrodes.