

# PLC Control Panel for Fixed Speed and Variable Frequency Drive (VFD) Pumping Systems

The PLC retrofit pump station control panel can be used to upgrade any existing variable speed drive (VFD) and fixed speed pump station controls using the existing motor controls.

Panels come standard to control one pressure maintenance pump and up to three main pumps.

## Standard Features

- UL listed NEMA 4 control panel (24" wide by 24" high by 9" deep)
- On/Off/Auto switches for pressure maintenance pump and 3 main pumps
- Microprocessor controller with AccuWare station control software to maintain constant pressure at variable flow
- VirtualVision II Color Touchscreen operator interface with full color TFT Active Matrix LCD display and memory card for over one year of data history

### VirtualVision II displays:

- Current flow and pressure
- Pump running status
- Alarm status and logs the time, date, flow and pressure data at time of alarm
- Adjustable system pressure setpoint and control functions such as self-flushing inlet screens, discharge filters and wye strainers
- Pond fill pump activation
- Password protected programming screens
- Individual run time monitoring
- Manual VFD speed control
- High discharge/Low discharge pressure safety
- Low water level safety (vertical turbine systems)
- Pump temperature alarm (horizontal centrifugal systems)
- VFD fault safety
- Stainless Steel pressure transducer
- Key-lock panel security



- **An economical way to make your irrigation system more user friendly and add the latest control features**
- **Professionally installed by factory trained and certified technicians**

## Optional Features

- Watervision remote monitoring software
- Data Industrial 220B flow sensor
- Magflo electromagnetic flow meter
- Custom panels for more than 4 pumps
- Flow meter spool