

# VFD Motor Control Panel

## Integrating the finest materials and control software for superior performance

The VFD retrofit pump station control panel can be used to upgrade older fixed speed and VFD pump station controls.

Controls can be configured to handle from 1 to 8 main pumps with optional equipment like accessories and alarms.

### Standard Features

- UL listed NEMA 4 control panel with through-the-door main disconnect, motor starters and VFD
- Variable Frequency Drive (VFD) with integral input line reactor (transient suppression)
- 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
- High discharge/Low discharge pressure safety
- Low water level safety (Vertical Turbine systems)
- VFD fault safety
- On/Off/Auto switches for all pumps
- Dual mechanically interlocked output contactors for automatic alternation of pumps
- Stainless Steel pressure transducer
- Water to air heat exchangers
- Key-lock panel security
- Individual fused motor protection rated for 200,000 A.I.C.



- **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
- Siemens Magflo electromagnetic flow meter
- Flow meter spool
- Data Industrial 220B flow sensor
- Pumps, motors, valves and piping
- Air conditioner