VARIABLE FREQUENCY DRIVE (VFD) PANEL

THE POWER OF VFDs
Here at Watertronics the power savings of the VFD panel is just the start. Our new VFD pump panel takes the tech out of tech start and the field out of field supervision with a new level of easy start and Cloud-based monitoring.

QUICK STARTUP AND SIMPLE, TOUCH-SCREEN OPERATION
1. Easy-to-read system status on one screen
2. Quick wizard guides basic configurations
3. Built-in user help
4. Login prevents unauthorized access

HIGH RELIABILITY IN HARSH ENVIRONMENTS
• Outdoor UL TYPE 3R ratings
• Lightning arrester provides equipment surge protection
• Efficient forced air fan/filter

CONVENIENT DESIGN
• User-friendly controls with color touchscreen
• Circuit breaker service entrance rated disconnect
• Wall mount or foot mount for installation flexibility

COST SAVINGS
• Up to 25% energy savings—only uses the power you need
• Longer life expectancy of equipment—smoother pump operation reduces strain on your entire irrigation operation
• Reduced pump maintenance costs—less downtime during peak seasons

ADDITIONAL BENEFITS
☐ 2 YEAR WARRANTY
☐ UL508A LISTED
☐ FCC PART 15, CLASS A COMPLIANT
☐ SHIPS IN 2 WEEKS*

SPECIFICATIONS
480 V, 3 phase, 60 Hz – 30 to 250 HP; single pump only
480 V, 1 phase, 60 Hz – 30 to 75 HP; single pump only
Rated for ambient temperatures -6C to 45C (20F to 113F)
Consult factory for additional sizing and multiple pump control options
CLOUD-BASED TELEMETRY
Stay connected and in control in real time with remote monitoring. View, manage, diagnose and make adjustments from any web-enabled device.

STANDARD FEATURES
- Programmable Logic Controller (PLC) and door mounted color touch screen
- Circuit breaker service entrance rated disconnect
- Fan/Filter panel cooling
- Log-in prevents unauthorized access
- N3R enclosures
- Control up to 3 lag pumps in standard software
- Lightning surge arrester
- 8” or 12” painted steel legs provided
- Screen based speed potentiometer
- 100ka SCCR panel rating
- Remote start relay (120VAC)
- 2 isolated analog inputs for PID pressure regulation & level sensing
- Terminal blocks & wiring for utility shut down
- Temperature sensor—monitors interior panel temperature
- Thermostat control of fans (cooling fans operate when VFD isn’t running)
- Level sensing readout via PLC touch screen
- Pressure transducer kit included for pressure regulation
- Pump retirement—shut down on frequency or flow
- Easy and quick servicing of intake and discharge air filters
- Motor winding heater circuitry

AVAILABLE OPTIONS
- Cloud-based telemetry
- Bypass contactors with door switch
- Integrated harmonic filters with contactors
- Output protection filters for submersible motors—in an external N3R separate enclosure
- Fused service rated entrance disconnect
- Stainless steel or aluminum enclosures

For more information on VFD Panels, visit watertronics.com